### Canon

## PRO-2000 Online Manual

**Printer Functions** Handling and Use of Paper Changing Settings from Operation Panel/Web Browser **Printer Parts Network Setting** Adjustments for Better Print Quality **Color Management** Maintenance and Consumables **Specifications** Safety **Basic Printing Workflow Enhanced Printing Options** Windows Software Mac OS Software **Managing Print Jobs** Troubleshooting List of Support Code for Error

English

### Contents

Using This Online Manual	C
Trademarks and Licenses	1
Search Tips	0
Printer Functions.	2
Connecting Device to Printer Directly via Wireless LAN (Direct Connection)	3
Managing Printer Conveniently Using Quick Utility Toolbox.	
Available Connection Methods.       3	
Browse/Print Photo Items Using Pro Gallery Print.	
Managing Printer Status Using Device Management Console	9
Handling and Use of Paper	C
Paper	2
Types of Paper	3
Paper Sizes	4
Using Paper Other Than Genuine Paper and feed confirmed Paper	7
Printing on Paper Other Than Genuine Paper and feed confirmed Paper Using Existing Settings 4	8
Printing on Paper Other Than Genuine Paper and feed confirmed Paper by Adding a Media Type 4	9
Updating paper information	0
Handling rolls	1
Loading Rolls on the Roll Holder	2
Loading the Upper Roll on the Printer	5
Loading the Lower Roll on the Roll Unit (Option)	0
Changing the Type of Paper	5
Specifying the Paper Length	8
Removing the Upper Roll from the Printer	9
Removing the Lower Roll from the Roll Unit (Option)	2
Removing Rolls From the Roll Holder	5
Feeding Roll Paper Manually	7
Keeping Track of the Amount of Roll Paper Left	8
Specifying the Ink Drying Time for Rolls. 7	9
Specifying the Cutting Method for Rolls	2
Cutting the Leading Edge of Roll Paper Automatically.       9	
Reducing Dust from Cutting Rolls.    9.	2

	Automatically Switch Rolls.       9	94
Ha	ndling sheets	5
	Loading Sheets in the Printer. 9	96
	Printing From a Desired Starting Point	00
	Removing Sheets	)3
Ba	sket	5
	Parts of the Basket	)6
	Using the Basket	)7
	Example Basket Configurations	11
	Storing the Basket	15
Ro	II Unit	7
	Parts of the Roll Unit	8
	Roll Unit	20
	Switching Roll Unit Modes	21
	Using the Roll Unit In Take-Up Mode	23
	Removing Printed Paper from the Roll Unit	32
Chang	ging Settings from Operation Panel/Web Browser	6
Ор	erations and Touch Screen	7
	Operation Panel	38
		~
	Touch Screen	
	Touch Screen.    14      Checking Instructions During Printer Operations.    14	10
Ch		40 43
Ch	Checking Instructions During Printer Operations	+0 +3 -5
Ch	Checking Instructions During Printer Operations.       14         anging Settings from Operation Panel.       14	40 43 -5 46
Ch	Checking Instructions During Printer Operations.       14         anging Settings from Operation Panel.       14         Printer Menu Operations.       14	40 43 -5 46 47
Ch	Checking Instructions During Printer Operations.       14         anging Settings from Operation Panel.       14         Printer Menu Operations.       14         Menu Operations.       14	40 43 55 46 47 52
Ch	Checking Instructions During Printer Operations.14anging Settings from Operation Panel.14Printer Menu Operations.14Menu Operations.14Menu Structure.15	40 43 55 46 47 52 56
Ch	Checking Instructions During Printer Operations.14anging Settings from Operation Panel.14Printer Menu Operations.14Menu Operations.14Menu Structure.15Changing Settings from Operation Panel.16	40 43 55 46 47 52 56 58
Ch	Checking Instructions During Printer Operations.14anging Settings from Operation Panel.14Printer Menu Operations.14Menu Operations.14Menu Structure.15Changing Settings from Operation Panel.16Setting Items on Operation Panel.16	10 13 5 16 17 52 56 58 59
Ch	Checking Instructions During Printer Operations.       14         anging Settings from Operation Panel.       14         Printer Menu Operations.       14         Menu Operations.       14         Menu Structure.       15         Changing Settings from Operation Panel.       16         Setting Items on Operation Panel.       16         Job management.       16	40 43 45 46 47 52 56 58 59 70
Ch	Checking Instructions During Printer Operations.14anging Settings from Operation Panel.14Printer Menu Operations.14Menu Operations.14Menu Structure.15Changing Settings from Operation Panel.16Setting Items on Operation Panel.16Job management.16Test print.17	10 13 5 16 17 52 56 58 59 70 71
Ch	Checking Instructions During Printer Operations.14anging Settings from Operation Panel.14Printer Menu Operations.14Menu Operations.14Menu Operations.14Menu Structure.15Changing Settings from Operation Panel.16Setting Items on Operation Panel.16Job management.16Test print.17Print settings.17	10 13 5 16 17 52 66 38 59 70 71 72
Ch	Checking Instructions During Printer Operations.14anging Settings from Operation Panel.14Printer Menu Operations.14Menu Operations.14Menu Structure.15Changing Settings from Operation Panel.16Setting Items on Operation Panel.16Job management.16Test print.17Print settings.17LAN settings.17	10 13 5 16 17 52 66 88 69 70 71 72 31

	Auto maintenance settings	86
	Administrator password setting	87
	Setting Administrator Password on Operation Panel.	88
	Hard disk settings	90
	Monitoring service settings	91
	Printer information	92
	Status Print	93
Cha	nging Printer's Setting Using Web Browser	96
	Changing Settings Using Web Browser	97
	Changeable Setting Items Using Web Browser	00
	Setting Password	02
	Registering Printer's Root Certificate to Web Browser.    2	04
	Setting Mail Server	80
	Receiving Printer Status by E-mail. 2	10
Printer	Parts	12
Prin	ter Parts	13
	Front	14
	Back	16
	Top Cover (Inside). 2	17
	Carriage	18
	Ink Tank Cover (Inside). 2	19
Haro	d Disk	20
	Printer Hard Disk Operations. 2	21
	Checking Free Hard Disk Space	22
	Erasing Data on Printer's Hard Disk. 2	23
Opti	ional accessories	24
	Roll Holder Set	25
	Stand	26
	Stand Parts	27
	Roll Unit	28
Networ	k Setting	29
Net	work Connection Tips	30
	Default Network Settings	31

Another Printer Found with Same Name	33
Connecting to Another Computer via LAN/Changing from USB to LAN Connection	34
Printing Network Settings	35
Changing LAN Connection Method/Changing Wireless LAN Connection Method (Windows) 25	51
Changing Network Settings Using Remote UI	53
IJ Network Device Setup Utility	54
IJ Network Device Setup Utility	55
Starting Up IJ Network Device Setup Utility	56
IJ Network Device Setup Utility Screen	57
Performing Network Settings	62
Performing/Changing Wired LAN Settings	63
Performing/Changing Wireless LAN Settings	66
Assigning Printer Information	70
Initializing Network Settings	71
Changing Administrator Password	72
Setting Criteria for Printer Search/Searching Specific Printer.	73
If WEP Details Screen Appears	75
If WPA/WPA2 Details Screen Appears	76
Checking Network Status	77
Checking Wireless Network Status	78
Displaying Computer Network Information	79
Displaying Printer Network Information	80
Checking Connection Status between Printer and Wireless Router	81
Checking Network Setting Difference. 28	82
IJ Network Device Setup Utility Menus. 28	83
Printer Menu	84
	84 86
View Menu	
View Menu.    28      Option Menu.    28	86
View Menu.    28      Option Menu.    28      Help Menu.    28	86 88
View Menu.       28         Option Menu.       28         Help Menu.       28         Other Network Information.       28	86 88 89
View Menu.       28         Option Menu.       28         Help Menu.       28         Other Network Information.       29         Technical Terms.       29	86 88 89 90
View Menu.28Option Menu.28Help Menu.28Other Network Information.29Technical Terms.29Restrictions.29	86 88 89 90 91
View Menu.28Option Menu.28Help Menu.28Other Network Information.29Technical Terms.29Restrictions.29	86 88 90 91 98 99

Restrictions on Printer Sharing
Connecting Smartphone/Tablet to Printer via Wireless LAN
Connecting Smartphone/Tablet to Printer via Wireless LAN Router
Adjustments for Better Print Quality
Adjusting the Print Head
Adjusting the Print Head
Automatic Adjustment to Straighten Lines and Colors
Manual Adjustment to Straighten Lines and Colors
Troubleshooting Paper Abrasion and Blurry Images
Adjusting Feed Amount
Adjusting Feed Amount
Selecting Feed Amount Adjustment Method
Automatic Banding Adjustment
Manual Banding Adjustment
Fine-Tuning Paper Feed Amount
Adjusting Line Length
Adjusting Vacuum Strength
Adjusting Vacuum Strength.       32         Color Management.       32
Color Management
Color Management.    32      Color Calibration.    32
Color Management.       32         Color Calibration.       32         Managing Colors.       33
Color Management.       32         Color Calibration.       32         Managing Colors.       33         Performing Color Calibration.       33
Color Management.       32         Color Calibration.       32         Managing Colors.       33         Performing Color Calibration.       33         Adjustment Types of Color Calibration.       33
Color Management.       32         Color Calibration.       32         Managing Colors.       33         Performing Color Calibration.       33         Adjustment Types of Color Calibration.       33         Maintenance and Consumables.       33
Color Management.       32         Color Calibration.       32         Managing Colors.       33         Performing Color Calibration.       33         Adjustment Types of Color Calibration.       33         Maintenance and Consumables.       33         Ink Tanks.       34
Color Management.       32         Color Calibration.       32         Managing Colors.       33         Performing Color Calibration.       33         Adjustment Types of Color Calibration.       33         Maintenance and Consumables.       33         Ink Tanks.       34         Ink Tanks.       34
Color Management.       32         Color Calibration.       32         Managing Colors.       33         Performing Color Calibration.       33         Adjustment Types of Color Calibration.       33         Maintenance and Consumables.       33         Ink Tanks.       34         Ink Tanks.       34         Replacing Ink Tanks.       34
Color Management.       32         Color Calibration.       32         Managing Colors.       33         Performing Color Calibration.       33         Adjustment Types of Color Calibration.       33         Maintenance and Consumables.       33         Ink Tanks.       34         Ink Tanks.       34         Checking Ink Tank Levels.       34
Color Management.       32         Color Calibration.       32         Managing Colors.       33         Performing Color Calibration.       33         Adjustment Types of Color Calibration.       33         Maintenance and Consumables.       33         Ink Tanks.       34         Ink Tanks.       34         Checking Ink Tanks.       34         When to Replace Ink Tanks.       34
Color Management.       32         Color Calibration.       32         Managing Colors.       33         Performing Color Calibration.       34         Adjustment Types of Color Calibration.       35         Maintenance and Consumables.       33         Ink Tanks.       34         Ink Tanks.       34         Verlacting Ink Tanks.       34         When to Replace Ink Tanks.       35         Print Head.       35

Replacing the Print Head
Maintenance Cartridge
Maintenance Cartridge
Replacing the Maintenance Cartridge
Checking the Remaining Maintenance Cartridge Capacity
When to Replace the Maintenance Cartridge
Cutter Blade
Cutter Blade
Replacing the Cutter Blade
Performing Maintenance Functions from Your Computer (Windows)
Cleaning the Print Heads
Printing a Nozzle Check Pattern
Cleaning the Printer
Cleaning the Printer Exterior
Cleaning Inside the Top Cover
Cleaning the Roll Unit
Other Maintenance
Preparing to Transfer the Printer. 400
Reinstalling the Printer
Specifications
Printer Specifications. 412
Specifications
Print Area
Safety
Safety Precautions
Regulatory Information
WEEE (EU&EEA)
Basic Printing Workflow
Printing procedure
Printing Options Using Rolls and Sheets. 438
Turning the Printer On and Off
Loading and Printing on Rolls. 443

Loading and Printing on Sheets.       44         Printing in Windows.       44	
Printing from Mac OS	0
Canceling print jobs	2
Canceling Print Jobs from the Control Panel.       45         Canceling Print Jobs from Windows.       45         Canceling Print Jobs from Mac OS.       45	4
Pausing Printing	
Enhanced Printing Options	9
Printing from Your Computer (Windows)	3
Printing with Easy Setup.46Setting the Number of Copies and Printing Order.46Using Roll Unit to Use 2-Level Rolls.47	9
About 2-Level Roll Switching.47Setting the Paper Rolls in the Printer According to the Intended Use.47Printing by Automatically Switching Upper-level and Lower-level Roll Papers.47How to Switch Paper Rolls.48Reflect Roll Unit Settings in the Printer Driver.48	2 4 0
Printing Photos and Business Documents	6
Printing By Setting Print Purpose.    48      Edit in PosterArtist and print.    49	
Changing the Print Quality and Correcting Image Data	2
Adjusting Color Balance.49Setting the Print Quality Level (Custom).49Printing a Color Document in Monochrome.49Adjusting Tone.49Specifying Color Correction.50Optimal Photo Printing of Image Data.50	5 7 9 2 5
Adjusting Colors with the Printer Driver	
Printing with ICC Profiles.    50      Interpreting the ICC Profile.    51	
Adjusting Brightness.       51         Adjusting Contrast.       51	-

Printing Using Detailed Setting Mode 5	519
Scaled Printing	522
Printing to Oversized Paper Sizes	525
Setting Paper Dimensions (Custom Size)	528
Prints without Edges Based on the Scenarios	532
Printing without Margins to Match Paper Size	533
Printing without Margins to Match Roll Paper Width	536
Printing Full-Size without Margins 5	539
Changing the Clear Coating Settings	542
Printing Hanging and Horizontal Banners (Large-Format Printing)	544
Printing by Dividing/Joining Documents	546
Lining Up and Printing Multiple Documents	547
Printing by Connecting Multiple Pages	548
Printing Multiple Pages All on One Page 5	550
Dividing and Printing Posters. 5	553
Printing Document in Center of Paper	556
Printing by Saving Roll Paper	559
Saving Roll Paper by Rotating Document 90 Degrees	560
Saving Roll Paper by Eliminating Upper and Lower Margins on Document	563
Switching the Paper Source to Match the Purpose	566
Displaying the Print Results before Printing	568
Other Convenient Settings	569
Stamp Printing	570
Registering a Stamp	571
Setting a Page Size and Orientation	574
Registering a Frequently Used Printing Profile	575
Cutting Roll Paper after Printing	577
Printing from Computer (Mac OS)	79
	81
	582
	583
5	586
	87
Connecting Smartphone/Tablet to Printer Directly via Wireless LAN (Direct Connection) 5	588

Windows Software	92
Printer Driver	93
Overview of the Printer Driver	94
Canon IJ Printer Driver	95
	96
	98
How to Open the Printer Driver Setup Window	99
Updating Media Information in Printer Driver	00
Setting Accounting information	02
Deleting the Undesired Print Job	04
Canon IJ Status Monitor. 6	05
Checking the Ink Status from Your Computer	07
Instructions for Use (Printer Driver)	80
Printer Driver Description	511
Main Tab Description	12
Page Setup Tab Description	21
Layout Tab Description. 6	26
Favorites Tab Description	32
Maintenance Tab Description	34
Device Settings Tab Description	36
Canon IJ Status Monitor Description	38
Updating the Printer Driver	641
Obtaining the Latest Printer Driver	42
Deleting the Unnecessary Printer Driver	43
Before Installing the Printer Driver	644
Installing the Printer Driver	45
Mac OS Software	16
Managing Print Jobs	17
Checking Print Job Information	48
Basic Print Job Operations	49
Using Printer Hard Disk	50
Saving Print Jobs on Printer Hard Disk	52
	55
Managing Pending Jobs (Printing or Deleting Jobs on Hold).	58

Printing Saved Jobs
Deleting Saved Jobs
Moving Saved Jobs
Advanced Print Job Operations
Saving Print Jobs Sent from Sources Other than Printer Driver
Printing without Saving Jobs in Common Box
Setting Passwords for Personal Boxes. 674
Naming Personal Boxes
Displaying List of Saved Jobs
Printing List of Saved Jobs
Displaying Details of Saved Jobs
Renaming Saved Jobs
Printer Hard Disk Operations. 221
Checking Free Hard Disk Space. 222
Troubleshooting
I want to easily create vertical or horizontal banners
Does this printer support sub-ink tank system?
I want to know how to configure roll cutting
I want to configure so that the roll is cut automatically after waiting for the ink to dry 696
I want to print borderless (without a border)
I want to know the paper types that can be used in this printer
The paper type that I want to print is not displayed on the Touch Screen
What type of function is color calibration?
Can I perform duplex printing?
I want to perform enlargement printing
Problems Regarding Paper
Clearing Jammed Roll Paper
Clearing a Jammed Sheet
Roll paper cannot be inserted into the Paper Feed Slot
Paper cannot be fed automatically
Cannot load sheets
Paper is not cut straight
Paper is not cut
The size of clear film cannot be detected
Margins are wide

When printing on roll paper, the printed surface becomes scratched	1
Printing Does Not Start	2
The Data lamp on the Control Panel does not light up	3
The printer does not respond even if print jobs are sent	1
"Filling the ink" is displayed	5
"Agitating the ink" is displayed	3
The Printer Stops During a Print Job. 727	7
Printing stops and an error message is displayed	3
The printer ejects blank, unprinted paper	)
Problems with the Printing Quality	)
Printing is faint	1
Paper rubs against the printhead	3
The edges of the paper are dirty	5
The surface of the paper is dirty.    737	7
The back side of the paper is dirty	3
Immediately after borderless printing, the trailing edge margin is soiled during regular printing 739	)
Printed colors are inaccurate. 740	)
Banding in different colors occurs	2
Colors in printed images are uneven	5
Image edges are blurred or white banding occurs	7
The contrast becomes uneven during printing	3
The length of printed images is inaccurate in the feeding direction	)
Images are printed crooked	)
Documents are printed in monochrome	1
Line thickness is not uniform	2
Lines or colors are misaligned	3
Borders appear in borderless printing	1
Cannot Print over Network	5
Cannot Connect Printer to Network	3
Cannot Print over TCP/IP Network	7
Cannot Print over Bonjour networks	3
Cannot Find Printer on Network	)
Cannot Find Printer on Check Printer Settings Screen (Windows).	)
Cannot Proceed beyond Printer Connection Screen/Connect Cable Screen	1
Searching Printer by IP Address or Host Name During Setup	3

Installation Problems	766
Removing Printer Software.	767
Other Problems.	768
The printer does not turn on	769
The printer takes time to start up.	770
If the Printer Makes a Strange Sound	771
Messages advising to check the maintenance cartridge are not cleared	773
The printer consumes a lot of ink	774
Printed pages are not collected cleanly in the basket.	775
When Trim edge first is set, the trimmed paper is drawn into the roll unit	776
Ink Level Detection.	777
List of Support Code for Error.	778
1005	780
100A	781
100B	782
100E	783
100F	784
1012	785
1018	786
1019	787
1021	788
1022	789
1023	790
1024	791
1025	793
1051	794
1052	795
1054	796
1055	797
1056	798
1057	799
1061	800
1200	801

1201	802
1210	803
1213	804
1214	805
1300	806
1306	807
1317	808
1318	809
1322	810
1323	811
1324	812
1325	813
1401	814
1403	815
1408	816
1409	817
140A	818
140B	819
140C	820
140F	821
1477	822
1478	823
1480	824
1481	825
1485	826
1492	827
1494	828
1495	829
1500	830
1551	831
1552	832
1570	833
1571	834

1660	835
168B	836
1720	837
1721	838
1722	839
1730	840
1731	841
1752	842
1753	843
1756	844
1757	845
1875	846
2001	847
2002	848
2130	849
2131	850
2132	851
3000	852
3001	853
3101	854
3200.	855
3201	856
3250.	857
3306	858
3311	859
3312	860
3313	861
3314	862
3315	863
3316	864
3317	865
3330	866
3331	867

3332	868
3333	869
3334	870
3335	871
3336	872
3340	873
3341	874
3350	875
3351	876
3352	877
3414	878
3415	879
3416	880
3417	881
3418	882
3419	883
3420	884
3421	885
3422	886
3423	887
3424	888
4107	889
4111	890
4112	891
4113	892
4114	893
4115	894
4116	895
4117	896
4118	897
4119	898
4120	899
4121	900

4801	901
4900	902
4901	903
4903	904
4905	905
4910	906
4911	907
4913	908
4920	909
4922	911
4924	912
4925	913
4926	914
4927	915
4931	916
4932	917
4933	918
4934	919
4935	920
4950	921
4951	922
4952	923
4953	924
4954	925
4955	926
4956	927
4957	928
4959	929
5106	930
5200	931
5A60	932
5A61	933
5B16	934

5B20	935
5B21	936
5C00	937
6502	938
6700	939
6702	940
6820	941
6900	942
6901	943
6902	944
6910	945
6911	946
6920	947
6921	948
6930	949
6931	950
6932	951
6933	952
6940	953
6941	954
6942	955
6943	956
6944	957
6945	958
6946	959
7001	960
7003	961
7004	962
7050	963
7051	964
7052	965
8200	966
9000	967

9110	968
B20A	969
B510	970

### **Using This Online Manual**

Symbols Used in This Document

Touch-enabled Device Users (Windows)

### Symbols Used in This Document

### 🛝 Warning

Instructions that, if ignored, could result in death or serious personal injury caused by incorrect operation of the equipment. These must be observed for safe operation.

### \rm Caution

Instructions that, if ignored, could result in personal injury or material damage caused by incorrect operation of the equipment. These must be observed for safe operation.

#### Important

Instructions including important information. To avoid damage and injury or improper use of the product, be sure to read these indications.

#### Note

Instructions including notes for operation and additional explanations.

### Basics

Instructions explaining basic operations of your product.

#### >>>> Note

· Icons may vary depending on your product.

### **Touch-enabled Device Users (Windows)**

For touch actions, you need to replace "right-click" in this document with the action set on the operating system. For example, if the action is set to "press and hold" on your operating system, replace "right-click" with "press and hold."

### **Trademarks and Licenses**

- Microsoft is a registered trademark of Microsoft Corporation.
- Windows is a trademark or registered trademark of Microsoft Corporation in the U.S. and/or other countries.
- Windows Vista is a trademark or registered trademark of Microsoft Corporation in the U.S. and/or other countries.
- Internet Explorer is a trademark or registered trademark of Microsoft Corporation in the U.S. and/or other countries.
- Mac, Mac OS, AirPort, Safari, Bonjour, iPad, iPhone and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries. App Store, AirPrint and the AirPrint logo are trademarks of Apple Inc.
- IOS is a trademark or registered trademark of Cisco in the U.S. and other countries and is used under license.
- Google Cloud Print, Google Chrome, Chrome OS, Chromebook, Android, Google Play, Google Drive, Google Apps and Picasa are either registered trademarks or trademarks of Google Inc.
- Adobe, Flash, Photoshop, Photoshop Elements, Lightroom, Adobe RGB and Adobe RGB (1998) are either registered trademarks or trademarks of Adobe Systems Incorporated in the United States and/or other countries.
- Bluetooth is a trademark of Bluetooth SIG, Inc., U.S.A. and licensed to Canon Inc.
- Autodesk and AutoCAD are registered trademarks or trademarks of Autodesk, Inc., and/or its subsidiaries and/or affiliates in the USA and/or other countries.

### Note

• The formal name of Windows Vista is Microsoft Windows Vista operating system.

Copyright (c) 2003-2004, Apple Computer, Inc. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- 3. Neither the name of Apple Computer, Inc. ("Apple") nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY APPLE AND ITS CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL APPLE OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

#### Apache License

Version 2.0, January 2004

http://www.apache.org/licenses/ TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable

copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

- 3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.
- 4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:
  - 1. You must give any other recipients of the Work or Derivative Works a copy of this License; and
  - You must cause any modified files to carry prominent notices stating that You changed the files; and
  - 3. You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and
  - 4. If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

- 5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.
- 6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.
- Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without

limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

- 8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.
- 9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

---- Part 1: CMU/UCD copyright notice: (BSD like) -----

Copyright 1989, 1991, 1992 by Carnegie Mellon University

Derivative Work - 1996, 1998-2000

Copyright 1996, 1998-2000 The Regents of the University of California

All Rights Reserved

Permission to use, copy, modify and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appears in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of CMU and The Regents of the University of California not be used in advertising or publicity pertaining to distribution of the software without specific written permission.

CMU AND THE REGENTS OF THE UNIVERSITY OF CALIFORNIA DISCLAIM ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL CMU OR THE REGENTS OF THE UNIVERSITY OF CALIFORNIA BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM THE LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

---- Part 2: Networks Associates Technology, Inc copyright notice (BSD) -----

Copyright (c) 2001-2003, Networks Associates Technology, Inc

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

\* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

\* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

\* Neither the name of the Networks Associates Technology, Inc nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

---- Part 3: Cambridge Broadband Ltd. copyright notice (BSD) -----

Portions of this code are copyright (c) 2001-2003, Cambridge Broadband Ltd.

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

\* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

\* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

\* The name of Cambridge Broadband Ltd. may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDER ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

---- Part 4: Sun Microsystems, Inc. copyright notice (BSD) -----

Copyright c 2003 Sun Microsystems, Inc., 4150 Network Circle, Santa Clara, California 95054, U.S.A. All rights reserved.

Use is subject to license terms below.

This distribution may include materials developed by third parties.

Sun, Sun Microsystems, the Sun logo and Solaris are trademarks or registered trademarks of Sun Microsystems, Inc. in the U.S. and other countries.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

\* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

\* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

\* Neither the name of the Sun Microsystems, Inc. nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

---- Part 5: Sparta, Inc copyright notice (BSD) -----

Copyright (c) 2003-2009, Sparta, Inc

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

\* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

\* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

\* Neither the name of Sparta, Inc nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. ---- Part 6: Cisco/BUPTNIC copyright notice (BSD) -----

Copyright (c) 2004, Cisco, Inc and Information Network Center of Beijing University of Posts and Telecommunications.

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

\* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

\* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

\* Neither the name of Cisco, Inc, Beijing University of Posts and Telecommunications, nor the names of their contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

---- Part 7: Fabasoft R&D Software GmbH & Co KG copyright notice (BSD) -----

Copyright (c) Fabasoft R&D Software GmbH & Co KG, 2003 oss@fabasoft.com

Author: Bernhard Penz

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

\* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

\* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

\* The name of Fabasoft R&D Software GmbH & Co KG or any of its subsidiaries, brand or product names may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDER ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

LEADTOOLS

Copyright (C) 1991-2009 LEAD Technologies, Inc.

CMap Resources

-----

Copyright 1990-2009 Adobe Systems Incorporated. All rights reserved.

Copyright 1990-2010 Adobe Systems Incorporated. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

Neither the name of Adobe Systems Incorporated nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

\_\_\_\_\_

**MIT License** 

#### Copyright (c) 1998, 1999, 2000 Thai Open Source Software Center Ltd

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

The following applies only to products supporting Wi-Fi.

(c) 2009-2013 by Jeff Mott. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

\* Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

\* Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the following disclaimer in the documentation or other materials provided with the distribution.

\* Neither the name CryptoJS nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS," AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. Enter keywords in the search window and click (Search).

You can search for target pages in this guide.

Entry example: "(your product's model name) load paper"

### Search Tips

You can search for target pages by entering keywords in the search window.

otes on Site Usage and Cooki	► Note		Contents
Online Manua - series	😁 Setup		
Search Tic Google" Oustom Search Language	Co		
		Featured Topics	Q
	[		

### Important

• This function may not be available in some countries/regions.

### >>>> Note

- The displayed screen may vary.
- When searching from this page without entering your product's model name or your application's name, all products supported by this guide will be considered for the search.
   If you want to narrow down the search results, add your product's model name or your application's name to the keywords.

Searching for Functions

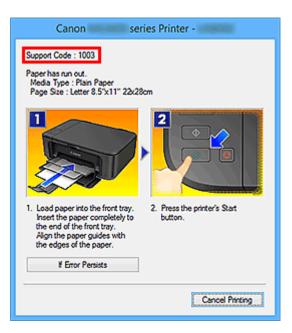
Enter your product's model name and a keyword for the function you want to learn about

Example: When you want to learn how to load paper Enter "(your product's model name) load paper" in the search window and perform a search

#### Troubleshooting Errors

Enter your product's model name and a support code

Example: When the following error screen appears Enter "(your product's model name) 1003" in the search window and perform a search



### >>>> Note

• The displayed screen varies depending on your product.

#### Searching for Application Functions

Enter your application's name and a keyword for the function you want to learn about

Example: When you want to learn how to print collages with My Image Garden Enter "My Image Garden collage" in the search window and perform a search

#### Searching for Reference Pages

Enter your model name and a reference page title\*

\* You can find reference pages more easily by entering the function name as well.

Example: When you want to browse the page referred to by the following sentence on a scanning procedure page

Refer to "Color Settings Tab" for your model from Home of the Online Manual for details.

Enter "(your product's model name) scan Color Settings Tab" in the search window and perform a search

### **Printer Functions**

- > Connecting Device to Printer Directly via Wireless LAN (Direct Connection)
- Managing Printer Conveniently Using Quick Utility Toolbox
- > Available Connection Methods
- Browse/Print Photo Items Using Pro Gallery Print
- > Managing Printer Status Using Device Management Console

# Connecting Device to Printer Directly via Wireless LAN (Direct Connection)

The printer supports "direct connection" in which you can connect to the printer wirelessly from devices (e.g. smartphone, or tablet) without a wireless router.

Switch to "direct connection" to print wirelessly.

Connecting Smartphone/Tablet to Printer Directly via Wireless LAN (Direct Connection)



### Managing Printer Conveniently Using Quick Utility Toolbox

Quick Utility Toolbox is a shortcut menu that lets you access the functions you want to use with one click. After installing utilities compatible with Quick Utility Toolbox, they will be added to this menu. The Quick Utility Toolbox provides a convenient way to quickly launch added utilities for making printer settings and doing other management tasks.

Refer to the following for details.

- Quick Utility Toolbox Guide (Windows)
- Quick Utility Toolbox Guide (Mac OS)

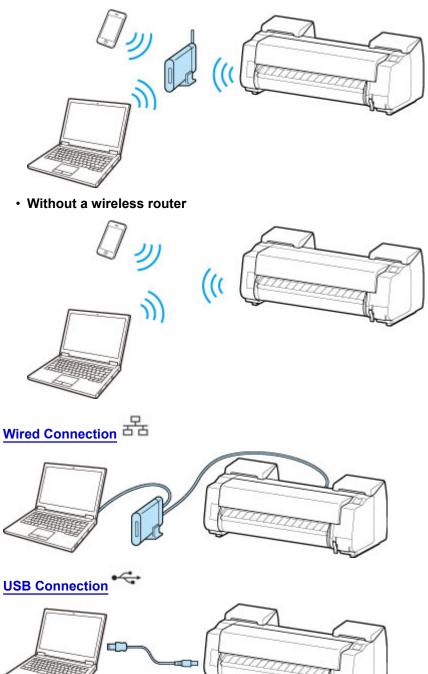


### **Available Connection Methods**

The following connection methods are available on the printer.

### Wireless Connection (())

· With a wireless router



### **Wireless Connection**

There are two methods for connecting the printer to your device (e.g. smartphone or tablet). One method is to connect using a wireless router, and the other method is to connect without using a wireless router.

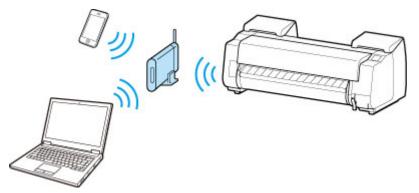
The two connection methods cannot be used at the same time.

If you have a wireless router, we recommend you use the method described in Connection Using a Wireless Router.

When connecting another device while a device is already connected to the printer, connect it using the same connection method as the connected device.

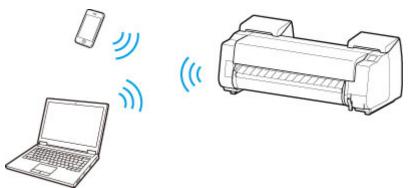
If you connect using a different connection method, the connection to the device in use will be disabled.

Connection Using a Wireless Router



- Connect the printer and a device using a wireless router.
- Connection methods vary depending on the wireless router type.
- You can change network settings such as the SSID and security protocol on the printer.
- When the connection between a device and a wireless router is completed and 
   (Wi-Fi icon) is displayed in the device's screen, you can connect the device to the printer using the wireless router.

#### Connection without Using a Wireless Router



- Connect the printer and a device without using a wireless router. Connect the device and the printer directly using the printer's direct connection.
- If you connect a device connected to the Internet via a wireless router to the printer that is in the direct connection, the connection between the device and wireless router will be disabled. In that case, the connection of the device may switch to a mobile data connection automatically depending on your device. Transmission fees for connecting to the Internet using a mobile data connection apply.
- In the direct connection, you can connect up to five devices at the same time. If you try to connect another device while five devices are already connected, disconnect a device you do not use and configure settings again.
- $\circ\,$  Network settings such as the SSID and security protocol are specified automatically.

## Wired Connection

Connect the printer and a hub or router with an Ethernet cable. Prepare an Ethernet cable.

## **USB** Connection

Connect the printer and a computer with a USB cable. Prepare a USB cable.

#### Restrictions

(Appears in a new window)

# **Browse/Print Photo Items Using Pro Gallery Print**

Pro Gallery Print is a dedicated iPad app developed for the PRO series. This is an application that allows you to browse/print photo items from an iPad even from remote locations through integration with web services for professionals.

Pro Gallery Print is available for free from App Store.



### >>>> Important

- Download requires registration for an App Store account.
- The application can be downloaded for free; however, transmission fees for connecting to App Store apply.
- Download is not possible if your operating system environment does not support the application. The application download page may not appear as well.

# Managing Printer Status Using Device Management Console

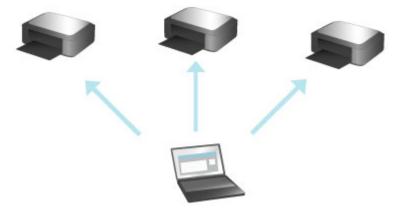
Device Management Console is software for checking the printer status or color calibrating the printer.

Use Device Management Console to:

- Check the status of a printer connected via a network or USB.
- E-mail the administrator in case of a printer warning or error.
- Identify the color calibration status or perform color calibration.

Refer to the following for details.

- Device Management Console Guide (Windows)
- Device Management Console Guide (Mac OS)



# Handling and Use of Paper

### Paper

- Types of Paper
- Paper Sizes
- Using Paper Other Than Genuine Paper and feed confirmed Paper
- Printing on Paper Other Than Genuine Paper and feed confirmed Paper Using Existing Settings
- Printing on Paper Other Than Genuine Paper and feed confirmed Paper by Adding a Media Type
- Paper Information List
- Updating paper information

### Handling rolls

- Loading Rolls on the Roll Holder
- Loading the Upper Roll on the Printer
- Loading the Lower Roll on the Roll Unit (Option)
- Changing the Type of Paper
- Specifying the Paper Length
- Removing the Upper Roll from the Printer
- Removing the Lower Roll from the Roll Unit (Option)
- Removing Rolls From the Roll Holder
- Clearing Jammed Roll Paper
- Feeding Roll Paper Manually
- Keeping Track of the Amount of Roll Paper Left
- Specifying the Ink Drying Time for Rolls
- Specifying the Cutting Method for Rolls
- Cutting the Leading Edge of Roll Paper Automatically
- Reducing Dust from Cutting Rolls
- Roll Holder Set

- Automatically Switch Rolls
- Handling sheets
  - Loading Sheets in the Printer
  - Changing the Type of Paper
  - Printing From a Desired Starting Point
  - Removing Sheets
  - Clearing a Jammed Sheet

### Basket

- Parts of the Basket
- Using the Basket
- Example Basket Configurations
- Storing the Basket

### Roll Unit

- Parts of the Roll Unit
- Roll Unit
- Switching Roll Unit Modes
- Using the Roll Unit In Take-Up Mode
- Removing Printed Paper from the Roll Unit
- Media Configuration Tool Guide

# Paper

- ➡ <u>Types of Paper</u>
- ➡ <u>Paper Sizes</u>
- ➡ Using Paper Other Than Genuine Paper and feed confirmed Paper
- Printing on Paper Other Than Genuine Paper and feed confirmed Paper Using Existing Settings
- Printing on Paper Other Than Genuine Paper and feed confirmed Paper by Adding a Media Type
- ➡ Paper Information List
- Updating paper information

# **Types of Paper**

The following media types are supported by the printer. For details on the media types supported by the printer, see "Paper Information List."

- Plain Paper
- Coated Paper
- Photo Paper
- Glossy Paper
- Proofing Paper
- CAD-dedicated Paper Etc.

The Paper Information List includes the following information.

- · Types of paper
- Paper handling
- · Paper product specifications
- Use precautions
- Setting of printer driver, control panel etc.

#### >>>Note

- For instructions on using paper not included in the Paper Information List, see "<u>Using Paper Other Than</u> <u>Genuine Paper and feed confirmed Paper</u>."
- Method of Updating Supported Paper
   Paper that is supported by the printer may be newly released on the Canon website.

To use newly released paper, register the latest paper information on the printer with the Media Configuration Tool. (See "<u>Updating paper information</u>.")

#### >>>Important

• Even if you are not using the printer driver, you should install the Media Configuration Tool in order to register the media types for your region in the printer.

(See "Media Configuration Tool Guide" (Windows).)

(See "Media Configuration Tool Guide" (Mac OS).)

# **Paper Sizes**

### Rolls

Rolls that meet the following conditions are supported.

- Outer diameter is 6.7 in (170 mm) or less
- · Inner diameter of paper core: 2 or 3 inches
- Printing side out

Roll Width	Printer Driver Roll Paper Width Settings	Borderless Printing ( <u>*1</u> )
609.6 mm (24.00 in)	24-in. Roll (609.6mm)	Recommended
594.0 mm (23.39 in)	ISO A1/A2 Roll (594.0mm)	Recommended
515.0 mm (20.28 in)	JIS B2/B3 Roll (515.0mm)	Recommended
431.8 mm (17.00 in)	17-in. Roll (431.8mm)	Recommended
420.0 mm (16.54 in)	ISO A2/A3 Roll (420.0mm)	Possible( <u>*2</u> )
406.4 mm (16.00 in)	16-in. Roll (406.4mm)	Possible( <u>*2</u> )
355.6 mm (14.00 in)	14-in. Roll (355.6mm)	Recommended
329.0 mm (12.95 in)	A3+ Roll (329.0mm)	Possible( <u>*2</u> )
300.0 mm (11.81 in)	300mm Roll (300.0mm)	Possible( <u>*2</u> )
297.0 mm (11.69 in)	ISO A3/A4 Roll (297.0mm)	Possible( <u>*2</u> )
257.0 mm (10.12 in)	JIS B4 Roll (257.0mm)	Possible( <u>*2</u> )
254.0 mm (10.00 in)	10-in. Roll (254.0mm)	Recommended
203.2 mm (8.00 in)	8-in. Roll (203.2mm)	Possible( <u>*2</u> )

\*1:For details on media types that can be used for borderless printing, see "Paper Information List."

\*2:As opposed to standard borderless printing, there will be a small margin on the left and right because the paper width is set a little bit smaller than the width of the document.

### Sheets

Sheets of the following sizes are supported.

Paper Sizes	Dimensions
ISO A1	594.0 × 841.0 mm (23.39 × 33.11 in)
ISO A2	420.0 × 594.0 mm (16.54 × 23.39 in)
ISO A2+	431.8 × 609.6 mm (17.00 × 24.00 in)

Paper Sizes	Dimensions		
ISO A3	297.0 × 420.0 mm (11.69 × 16.54 in)		
ISO A3+	329.0 × 483.0 mm (12.95 × 19.02 in)		
ISO A4	210.0 × 297.0 mm (8.27 × 11.69 in)		
ISO B2	500.0 × 707.0 mm (19.69 × 27.83 in)		
ISO B3	353.0 × 500.0 mm (13.90 × 19.69 in)		
ISO B4	250.0 × 353.0 mm (9.84 × 13.90 in)		
JIS B2	515.0 × 728.0 mm (20.28 × 28.66 in)		
JIS B3	364.0 × 515.0 mm (14.33 × 20.28 in)		
JIS B4	257.0 × 364.0 mm (10.12 × 14.33 in)		
22"x34"(ANSI D)	558.8 × 863.6 mm (22.00 × 34.00 in)		
17"x22"(ANSI C)	431.8 × 558.8 mm (17.00 × 22.00 in)		
11"x17"(Ledger)	279.4 × 431.8 mm (11.00 × 17.00 in)		
13"x19"(Super B)	330.2 × 482.6 mm (13.00 × 19.00 in)		
Letter(8.5"x11")	215.9 × 279.4 mm (8.50 × 11.00 in)		
Legal(8.5"x14")	215.9 × 355.6 mm (8.50 × 14.00 in)		
24"x36"(ARCH D)	609.6 × 914.4 mm (24.00 × 36.00 in)		
18"x24"(ARCH C)	457.2 × 609.6 mm (18.00 × 24.00 in)		
12"x18"(ARCH B)	304.8 × 457.2 mm (12.00 × 18.00 in)		
9"x12"(ARCH A)	228.6 × 304.8 mm (9.00 × 12.00 in)		
DIN C2	458.0 × 648.0 mm (18.03 × 25.51 in)		
DIN C3	324.0 × 458.0 mm (12.76 × 18.03 in)		
DIN C4	229.0 × 324.0 mm (9.02 × 12.76 in)		
20"x24"	508.0 × 609.6 mm (20.00 × 24.00 in)		
18"x22"	457.2 × 558.8 mm (18.00 × 22.00 in)		
14"x17"	355.6 × 431.8 mm (14.00 × 17.00 in)		
12"x16"	304.8 × 406.4 mm (12.00 × 16.00 in)		
10"x12"	254.0 × 304.8 mm (10.00 × 12.00 in)		
10"x15"	254.0 × 381.0 mm (10.00 × 15.00 in)		

Paper Sizes	Dimensions
8"x10"	203.2 × 254.0 mm (8.00 × 10.00 in)
US Photo 16"x20"	406.4 × 508.0 mm (16.00 × 20.00 in)
Poster 20"x30"	508.0 × 762.0 mm (20.00 × 30.00 in)
13"x22"	329.0 × 558.0 mm (12.95 × 21.97 in)
Poster 300x900mm	300.0 × 900.0 mm (11.81 × 35.43 in)
Custom Paper Size	8.00 × 8.00 in (203.2 × 203.2 mm) to 24.02 × 63.00 in (610.0 × 1600.0 mm)

- For details on non-standard sizes, see "<u>Setting Paper Dimensions (Custom Size</u>)" (Windows) or "Setting Paper Dimensions (Custom Size)" (Mac OS).
- Borderless printing is not supported on sheets.

# Using Paper Other Than Genuine Paper and feed confirmed Paper

When using this printer to print on paper other than genuine Canon paper and feed confirmed paper, use paper that meets the following conditions.

#### >>>Note

• For Canon genuine paper/feed confirmed paper, see "Paper Information List."

- Paper where the size is described in "Paper Sizes" (See "Paper Sizes.")
- Paper where the thickness is described in "Paper Thickness" in "Specifications" (See "Specifications.")
- · Paper where bleeding and ink overflow does not occur when printing
- · Paper that does not warp severely when loading the paper or printing

#### >>>Important

• If you use paper other than Canon genuine paper and feed confirmed paper, Canon provides absolutely no guarantees regarding print quality or paper feed properties. For Canon genuine paper/feed confirmed paper, see "Paper Information List."

After loading the paper in the printer, select the media type in the control panel and printer driver and then perform the printing. For the media type, you can select easily from existing settings or you can create and use settings for the paper you are using.

### **Printing Using Existing Settings**

You can print easily by selecting from existing settings provided in the printer control panel and printer driver. (See "<u>Printing on Paper Other Than Genuine Paper and feed confirmed Paper Using Existing Settings</u>.")

### **Printing Using Additional Settings**

You can use the Media Configuration Tool function for adding custom paper to create settings suitable for non-Canon genuine paper/feed confirmed paper and add as a new media type to the printer's Control Panel and the printer driver for printing. (See "<u>Printing on Paper Other Than Genuine Paper and feed confirmed Paper by Adding a Media Type</u>.")

# Printing on Paper Other Than Genuine Paper and feed confirmed Paper Using Existing Settings

You can easily print on paper other than genuine Canon paper and feed confirmed paper without making complicated settings by selecting the existing settings provided in the printer control panel and printer driver depending on the media type you are using. The existing settings consist of general-purpose paper settings provided for different media types.

#### >>>Important

 The Canon genuine paper settings provided in the printer control panel and printer driver are optimized for Canon genuine paper. If these settings are selected for printing on paper other than Canon genuine paper, the ink may bleed or the print head may rub against the paper. To easily print on paper other than Canon genuine paper and feed confirmed paper, we recommend that you select one of the following general-purpose paper settings.

#### Note

- For an overview of the media types, see "Types of Paper."
- For instructions on selecting the media type with the control panel, see "<u>Types of Paper</u>". For instructions on selecting the media type with the printer driver, see "<u>How to Open the Printer Driver</u> <u>Setup Window</u>" (Windows) or "How to Open the Printer Driver Setup Window" (Mac OS).

### **Choosing General-Purpose Paper Settings**

These settings anticipate a wide variety of paper other than Canon genuine paper and feed confirmed paper, and, therefore, these settings make it difficult for bleeding ink and print head rubbing to occur. For details on the relationships between the conditions of paper other than Canon genuine paper and feed confirmed paper and the media type to select, see "Paper Information List."

#### >>>Note

 If you cannot obtain the desired results by selecting the general-purpose paper settings, use the custom paper adding function in Media Configuration Tool to create settings suitable for the paper you are using. For details, see "<u>Printing on Paper Other Than Genuine Paper and feed confirmed</u> <u>Paper by Adding a Media Type</u>."

# Printing on Paper Other Than Genuine Paper and feed confirmed Paper by Adding a Media Type

Media Configuration Tool provides a function for adding custom paper for better print quality and improved paper feed properties when printing on paper other than Canon genuine paper/feed confirmed paper than when printing with general-purpose settings. You can use this function to configure settings such as the amount of ink used and the height of the print head according to the characteristics of the paper being used, and thereby realize higher print quality. Also, you can add the settings created with this function as a new media type to the printer control panel and printer driver.

For details on Media Configuration Tool, refer as follows.

- Media Configuration Tool Guide (Windows)
- Media Configuration Tool Guide (Mac OS)

#### >>>Important

- For details on how to select the added media type in the control panel, see "<u>Changing the Type of</u> <u>Paper</u>."
- You can select the media type to be used in printing from Media Type in the Main sheet (Windows) or Quality & Media (Mac OS) in the printer driver. For details, see "Main Tab Description" (Windows) or "Quality & Media" (Mac OS).
- We recommend that you use an ICC profile created using commercially available profile creation software to perform color management accurately on paper other than Canon genuine paper and feed confirmed paper. You can register the ICC profile you created when creating a custom paper with Media Configuration Tool.

(See "Adding Custom Paper" (Windows).)

(See "Adding Custom Paper" (Mac OS).)

# Updating paper information

You can update the printer's media information to the latest information by applying the latest version of the **Media Information File**.

For details on the procedure for applying the **Media Information File**, refer to the following.

- Media Configuration Tool Guide (Windows)
- Media Configuration Tool Guide (Mac OS)

#### >>>Important

• If you are using the Media Configuration Tool, the new **Media Information File** is downloaded automatically when released on the Canon website. A computer connected to the Internet is required to download the **Media Information File**.

# Handling rolls

- Loading Rolls on the Roll Holder
- ➡ Loading the Upper Roll on the Printer
- ➡ Loading the Lower Roll on the Roll Unit (Option)
- Changing the Type of Paper
- ➡ Specifying the Paper Length
- ➡ <u>Removing the Upper Roll from the Printer</u>
- Removing the Lower Roll from the Roll Unit (Option)
- Removing Rolls From the Roll Holder
- Feeding Roll Paper Manually
- ➡ Keeping Track of the Amount of Roll Paper Left
- Specifying the Ink Drying Time for Rolls
- ➡ Specifying the Cutting Method for Rolls
- Cutting the Leading Edge of Roll Paper Automatically
- Reducing Dust from Cutting Rolls
- ➡ Roll Holder Set
- Automatically Switch Rolls

# Loading Rolls on the Roll Holder

When printing on roll paper, attach the roll paper to the Roll Holder.

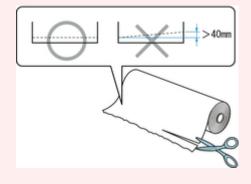
Roll paper comes in two types: 2-inch and 3-inch cores. If using 3-inch core roll paper, attach the 3-Inch Paper Core Attachment to the Roll Holder and holder stopper.

# Caution

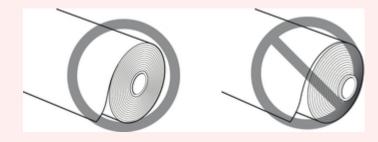
• Set the roll on a table or other flat surface so that it does not roll or fall. Rolls are heavy, and dropping a roll may cause injury.

### >>>Important

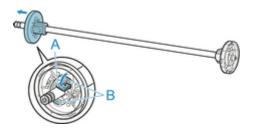
- When handling the roll, be careful not to soil the printing surface. This may affect the printing quality. We recommend wearing clean cloth gloves when handling rolls to protect the printing surface.
- Cut the edge of the roll paper if it is uneven, dirty, or has tape residue. Otherwise, it may cause feeding problems and affect the printing quality. Be careful not to cut through any barcodes printed on the roll.



• Align the edges of the paper on both ends of the roll. This may cause feeding problems.

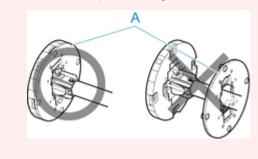


- For details on roll paper sizes and types that can be used, see "<u>Paper Sizes</u>" or "Paper Information List".
- 1. Push holder stopper lever (A) toward shaft to release lock, and while holding in position (B), remove holder stopper from Roll Holder.

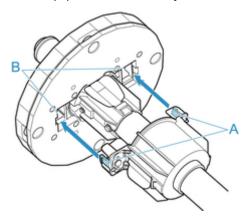


## >>>>Important

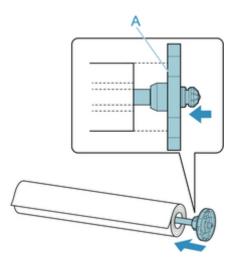
• Do not use the roll holder for feeding paper with the spacer (A) removed from the flange. It will result in the paper being sent askew.



2. If using 3-inch core paper, align 3-Inch Paper Core Attachment tabs (A) with Roll Holder holes (B) and insert firmly.



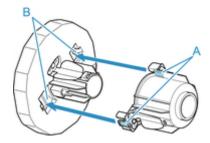
3. With leading edge of roll paper facing forward as shown, insert Roll Holder from right side of roll. Insert firmly until roll paper touches flange (A) of Roll Holder.



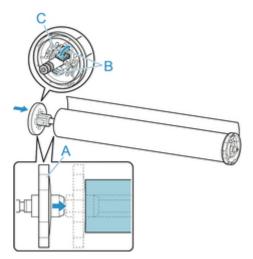
### >>>>Important

- When loading a roll, be careful to avoid hitting the printer hard with the roll. This may damage the Roll Holder.
- 4. If using 3-inch core roll paper, attach 3-Inch Paper Core Attachment to holder stopper.

Align the tabs (A) of the attachment with the holes (B) of the holder stopper, and insert firmly.



5. Insert holder stopper from left into Roll Holder as shown, and while holding in position (B), push firmly until holder stopper flange (A) touches roll paper. Lift holder stopper lever (C) from shaft to lock.



# Loading the Upper Roll on the Printer

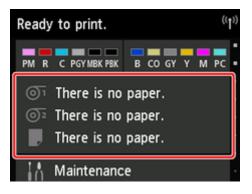
Follow these steps to load rolls in the printer.

### >>>Important

- Always load rolls when the printer is on. If the printer is off when you load a roll, the paper may not be advanced correctly when you turn the printer on.
- Before loading a roll, confirm whether the inside of the top cover or the output guide is soiled. If these areas are dirty, we recommend cleaning them in advance. (See "<u>Cleaning Inside the Top Cover</u>.").

## >>>Note

- When using the optional roll unit, you can also load roll paper on the roll unit separately from the printer that is described here. (See "Loading the Lower Roll on the Roll Unit (Option).")
- 1. Tap paper settings display area on Home screen of touch screen.



### >>>Note

- If the Home screen does not appear, tap the **Home** button.
- 2. Tap 🞯 area.
- 3. Tap Load paper. or Replace paper, check message that appears, and then tap Yes.

### >>>Note

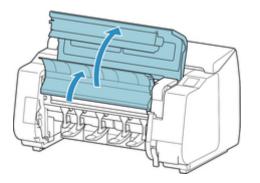
• If any cut sheet has been fed, or roll paper that will not be used has been fed from Roll 1 (Upper), a message is shown requesting you to remove it.

After following the instructions on the screen to remove the paper, redo the operation.

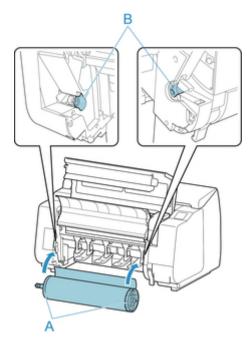
• If roll paper is loaded in Roll 1 (Upper) but Roll 1 (Upper) is not selected as the paper source, a message asking you whether or not to change paper is displayed.

Tap **Replace paper**, remove the paper, and go to the next step.

4. Open top cover and lift output guide.



5. Hold flanges (A) so that roll holder's white gear is on left, align roll holder shaft with roll holder slot left and right guide grooves (B), and load.



# A Caution

- · Be careful not to drop the roll and hurt yourself when loading it.
- Be careful not to pinch your fingers between the Roll Holder shaft and the guide grooves (B) when loading the roll paper.

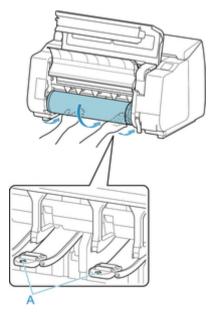
## >>>>Important

• If the leading edge of the roll paper is secured with tape or a paper band so that it will not unravel, remove the tape or paper band before loading the roll paper into the roll holder slot.

If you load the paper into the roll holder slot with the leading edge secured, only part of the roll paper is fed to the paper feed slot, resulting in damage to the roll paper.

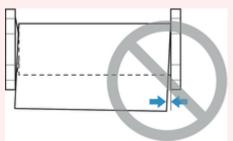
### >>>Note

 For the procedure for attaching the roll paper to the Roll Holder, see "Loading Rolls on the Roll Holder." 6. Pull out roll paper evenly, insert leading edge between roll paper and arrows (A) directly beneath it, and feed roll paper until you hear a sound.

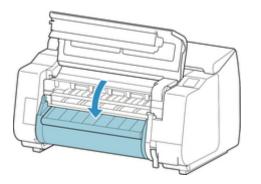


### >>>Important

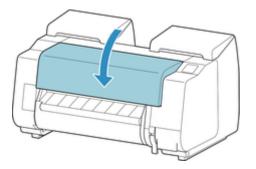
- If the roll paper has become unwound, remove the slack before loading the roll paper.
- When feeding the leading edge of the roll paper, make sure the entire width of the roll paper is separating and feeding from the roll. If the roll paper is fed with some of the roll paper still stuck to the roll, the roll paper will be damaged.
- Be careful not to soil the printing surface of roll paper as you insert it in the slot. This may affect the printing quality. We recommend wearing clean cloth gloves when handling rolls to protect the printing surface.
- If the paper is wrinkled or warped, straighten it out before loading it.
- Load the roll so that there is no gap between the right edge of the paper and the Roll Holder.



- Depending on the paper, the roll paper may be scratched when being fed and not feed well. In this case, you must feed the paper manually after setting Paper retention setting to Release on the touch screen. Lift the release lever, advance the roll paper until its leading edge appears on platen, lower the release lever, and then proceed to the next step. However, if Paper retention setting is set to Release, automatic switching of the upper and lower rolls is not possible.
- 7. Lower output guide.



8. Close top cover.



#### 9. Tap Start feeding.

The paper is now advanced.

10. Once paper feeding starts, you will need to do the following, based on the **Manage remaining roll amount** setting and the barcode printed on rolls. (See "Keeping Track of the Amount of Roll Paper Left.")

Manage re- maining roll amount	Barcodes	Printer Operation After the Paper is Fed
Disable	Printed	A menu for selecting the media type appears on the touch screen.
	Not prin- ted	Operate the touch screen and select the media type to be used.
Enable	Printed	The type and amount of paper left is automatically detected based on the barcode printed on the roll. There is no need to specify the type and length of the paper.
	Not prin- ted	A menu for selection of the media type and length is shown on the touch screen. Operate the touch screen, select the media type to be used, and enter its length.

### >>>Important

• Cut the edge of the roll using the **Cut paper** function if the edge is creased or soiled. (See "<u>Specifying the Cutting Method for Rolls</u>.")

• When selecting the media type on the touch screen, make sure the media type set in the printer driver and the media type loaded on the printer match.

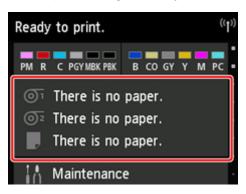
- For details on media types that you can select, see "Paper Information List."
- Adjusting the printhead alignment with the type of paper to be used in printing may enhance printing quality. (See "<u>Automatic Adjustment to Straighten Lines and Colors</u>.")

# Loading the Lower Roll on the Roll Unit (Option)

Follow these steps to load roll paper in the roll unit (Roll 2 (Lower)).

### >>>Important

- Always load rolls when the printer is on. If the printer is off when you load a roll, the paper may not be advanced correctly when you turn the printer on.
- Before loading a roll, confirm whether the inside of the top cover or the output guide is soiled. If these areas are dirty, we recommend cleaning them in advance. (See "<u>Cleaning Inside the Top Cover</u>.").
- If using the roll unit as the feed device, depending on the basket position, the ejected roll paper's cut end enters the roll unit and may cause a paper jam or affect the print quality when set to "Borderless Printing" or "Trim Edge First" when loading the paper. In this case, change the basket position, and then print. (See "Example Basket Configurations.")
- 1. Tap paper settings display area on Home screen of touch screen.



### >>>Note

- If the Home screen does not appear, tap the **Home** button.
- 2. Tap 🞯 area.
- 3. Tap Load paper. or Replace paper, check message that appears, and then tap Yes.

### Note

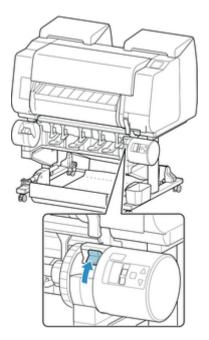
• If any cut sheet has been fed, or roll paper that will not be used has been fed from Roll 1 (Upper), a message is shown requesting you to remove it.

After following the instructions on the screen to remove the paper, redo the operation.

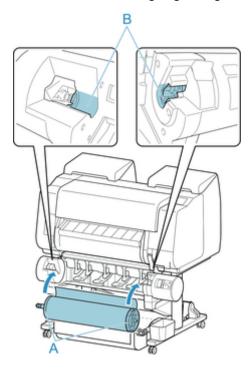
• If roll paper is loaded in Roll 1 (Upper) but Roll 1 (Upper) is not selected as the paper source, a message asking you whether or not to change paper is displayed.

Tap **Replace paper**, remove the paper, and go to the next step.

4. Change **Roll Holder Lock** switch on roll unit to release position.



5. Hold flanges (A) so that roll holder's white gear is on left, align roll holder shaft with roll holder slot left and right guide grooves (B), and load.



# Caution

- Be careful not to drop the roll and hurt yourself when loading it.
- Be careful not to pinch your fingers between the Roll Holder shaft and the guide grooves (B) when loading the roll paper.

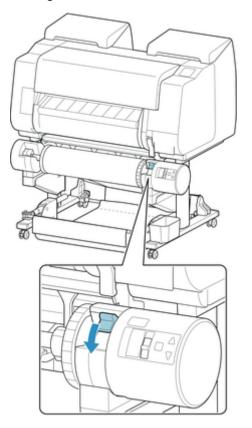
### >>>Important

• If the leading edge of the roll paper is secured with tape or a paper band so that it will not unravel, remove the tape or paper band before loading the roll paper into the roll holder slot.

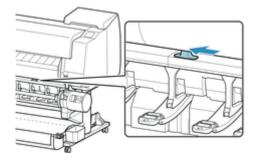
If you load the paper into the roll holder slot with the leading edge secured, only part of the roll paper is fed to the paper feed slot, resulting in damage to the roll paper.

### >>>Note

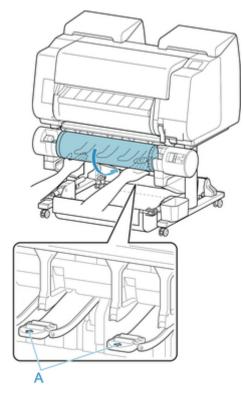
- For the procedure for attaching the roll paper to the Roll Holder, see "Loading Rolls on the Roll Holder."
- 6. Change Roll Holder Lock switch on roll unit to locked position.



7. Change feed flap switch on top of roll unit to feed icon position on the left.

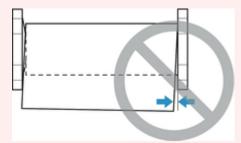


8. Pull out roll paper evenly, insert leading edge between roll paper and arrows (A) directly beneath it, and feed roll paper until you hear a sound.



### >>>Important

- If the roll paper has become unwound, remove the slack before loading the roll paper.
- When feeding the leading edge of the roll paper, make sure the entire width of the roll paper is separating and feeding from the roll. If the roll paper is fed with some of the roll paper still stuck to the roll, the roll paper will be damaged.
- Be careful not to soil the printing surface of roll paper as you insert it in the slot. This may affect the printing quality. We recommend wearing clean cloth gloves when handling rolls to protect the printing surface.
- If the paper is wrinkled or warped, straighten it out before loading it.
- Load the roll so that there is no gap between the right edge of the paper and the Roll Holder.



Depending on the paper, the roll paper may be scratched when being fed and not feed well. In this case, you must feed the paper manually after setting Paper retention setting to Release on the touch screen. Lift the release lever, advance the roll paper until its leading edge appears on platen, lower the release lever, and then proceed to the next step. However, if Paper retention setting is set to Release, automatic switching of the upper and lower rolls is not possible.

#### 9. Tap Start feeding.

The paper is now advanced.

 Once paper feeding starts, you will need to do the following, based on the Manage remaining roll amount setting and the barcode printed on rolls. (See "Keeping Track of the Amount of Roll Paper Left.")

Manage re- maining roll amount	Barcodes	Printer Operation After the Paper is Fed
Disable	Printed Not printed	A menu for selecting the media type appears on the touch screen. Tap media type loaded.
Enable	Printed	The type and amount of paper left is automatically detected based on the barcode printed on the roll. There is no need to specify the type and length of the paper.
	Not printed	A menu for selecting the media type and length appears on the touch screen. After tapping the media type loaded, enter the length of the paper loaded on the touch screen.

#### >>>>Important

- Cut the edge of the roll using the **Cut paper** function if the edge is creased or soiled. (See "<u>Specifying the Cutting Method for Rolls</u>.")
- When selecting the media type on the touch screen, make sure the media type set in the printer driver and the media type loaded on the printer match.

- For details on media types that you can select, see "Paper Information List."
- Adjusting the printhead alignment with the type of paper to be used in printing may enhance printing quality. (See "<u>Automatic Adjustment to Straighten Lines and Colors</u>.")

# Changing the Type of Paper

Follow these steps to change the type of paper specified on the printer after you have loaded paper.

If you continue using the same type of paper and set **Keep media type** to **Enable**, when you load paper, the media type selected before **Enable** was set is selected automatically, eliminating the need to set the media type. (See "<u>Using the Same Type of Paper Regularly</u>.")

### >>>Important

- For best printing results, the printer fine-tunes the print head height and the feed amount for each type of paper. Be sure to select the type of paper to use correctly before printing.
- Because the printer fine-tunes the feed amount for each type of paper, the margins and the size of printed images may vary depending on the type of paper used. If margins and the size of images are not as you expected, adjust the paper feed amount.

(See "Adjusting Feed Amount.")

• Rolls and sheets have different printing areas, and sheets having a larger bottom margin than rolls.

(See "Print Area.")

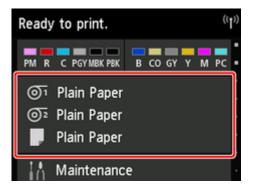
## Changing the Type of Paper

#### Note

• When you load roll paper, a menu for selecting the media type appears on the touch screen. Tap the media type.

If no barcode has been printed on the roll paper and you have set **Manage remaining roll amount** to **Enable**, specify the roll length after selecting the media type. (See "<u>Specifying the Paper Length</u>.")

1. Tap paper settings display area on Home screen of touch screen.



- If the Home screen does not appear, tap the **Home** button.
- 2. Tap paper feed slot where paper whose type you want to change is loaded.

- 3. Tap Paper settings.
- 4. Tap **Type**.
- 5. Tap media type of roll paper loaded in printer.

#### >>>Important

• Be sure to select the correct paper type. If this setting does not match the loaded paper, it may cause feed errors and affect printing quality.

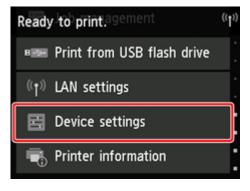
#### >>>Note

- For details on media types, see "Paper Information List." At the factory default settings, Plain Paper is selected for the media type.
- When the release lever is operated, the settings automatically return to the last selected media type.

## Using the Same Type of Paper Regularly

Configure this setting so that current media type settings will be automatically selected when you load the same type of paper later.

1. Tap **Device settings** on Home screen of touch screen.



- If the Home screen does not appear, tap the **Home** button.
- 2. Tap Paper-related settings.
- 3. Tap Keep media type.
- 4. Tap Enable.

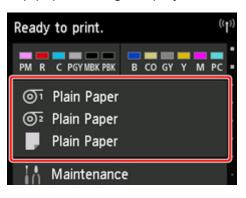
- The specified media type setting is updated in the following situations.
  - When using sheets, if you send a print job before loading a sheet, the media type setting is updated to match the type of paper specified by the print job.
  - If a barcode is printed on the roll paper and you have set **Manage remaining roll amount** to **Enable** in the operation panel menu, the media type setting is updated to match the media type specified by the barcode.
- To change the media type setting, see "Changing the Type of Paper."

# **Specifying the Paper Length**

When changing the length of paper after the paper has been advanced, specify the length as follows.

### >>>Note

- Specify the roll paper length when you have set **Manage remaining roll amount** to **Enable**. (See "Keeping Track of the Amount of Roll Paper Left.")
- 1. Tap paper settings display area on Home screen of touch screen.



#### >>>Note

- If the Home screen does not appear, tap the Home button.
- 2. Tap paper feed slot where paper whose length you want to change is loaded.

#### 3. Tap Paper settings.

- 4. Tap Length.
- 5. Enter roll paper length.

Specify the roll length as follows.

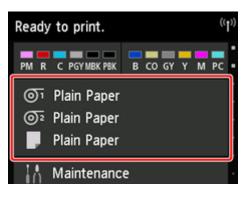
- 1. Tap the gray numerical input field.
- 2. Tap the keypad appearing on the touch screen, enter the roll paper length, and then tap OK.
- 3. Check the entered length and tap **OK**.

# **Removing the Upper Roll from the Printer**

Remove rolls from the printer as follows.

#### >>>Note

- If you need to cut a printed roll, select Feed/cut in the printer menu and cut the roll paper at the desired position. (See "Specifying the Cutting Method for Rolls.")
- 1. Tap paper settings display area on Home screen of touch screen.



#### >>Note

- If the Home screen does not appear, tap the **Home** button.
- 2. Tap 🞯 area.
- 3. Tap Remove paper.

#### 4. Tap **Yes**.

The roll is rewound.

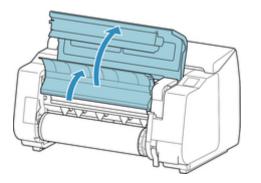


• If **Manage remaining roll amount** is set to **Enable** in the operation panel menu, a barcode is printed on the leading edge of the roll paper.

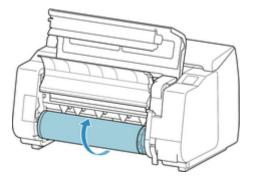
Do not remove the roll before the barcode is printed. You will be unable to keep track of the amount of roll paper left. (See "Keeping Track of the Amount of Roll Paper Left.")



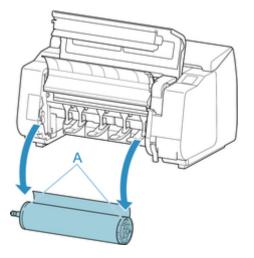
5. Open top cover and lift output guide.



6. Using both hands, rotate the Roll Holder in the direction of the arrow to rewind the roll.

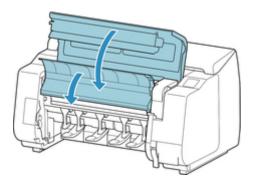


7. Hold Roll Holder by its flanges (A) and remove from roll holder slot.



#### Note

- For instructions on removing the Roll Holder from rolls, see "<u>Removing Rolls From the Roll</u> <u>Holder</u>."
- 8. Lower output guide and close top cover.



### >>>Note

- To load new paper in the printer at this point, see "Loading the Upper Roll on the Printer."
- Clean inside the top cover before loading paper.

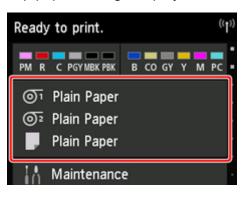
(See "<u>Cleaning Inside the Top Cover</u>.")

# Removing the Lower Roll from the Roll Unit (Option)

Follow these steps to remove roll paper from the roll unit.

#### >>>Note

- If you need to cut a printed roll, select Feed/cut in the printer menu and cut the roll paper at the desired position. (See "Specifying the Cutting Method for Rolls.")
- 1. Tap paper settings display area on Home screen of touch screen.



#### >>>Note

- If the Home screen does not appear, tap the **Home** button.
- 2. Tap 🞯 area.
- 3. Tap Remove paper.
- 4. Check touch screen message and tap Yes.

The roll is rewound.

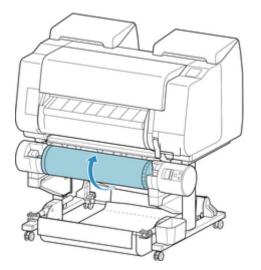
#### >>>>Important

• If **Manage remaining roll amount** is set to **Enable** in the operation panel menu, a barcode is printed on the leading edge of the roll paper.

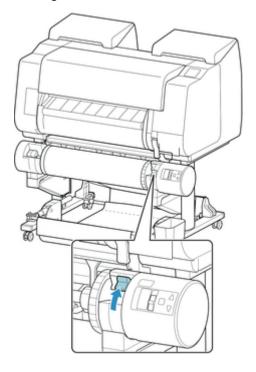
Do not remove the roll before the barcode is printed. You will be unable to keep track of the amount of roll paper left. (See "Keeping Track of the Amount of Roll Paper Left.")



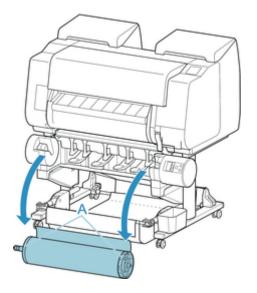
5. Using both hands, rotate roll holder in direction of arrow to rewind roll paper.



6. Change **Roll Holder Lock** switch on roll unit to release position.



7. Hold roll holder by its flanges (A) and remove from roll holder slot.

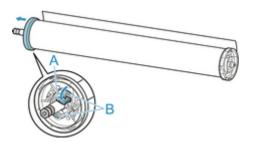


## >>>Note

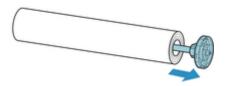
- For instruction on removing the roll paper from the roll holder, see "<u>Removing Rolls From the Roll</u> <u>Holder</u>."
- To load new paper in the printer at this point, see "Loading the Upper Roll on the Printer."

# **Removing Rolls From the Roll Holder**

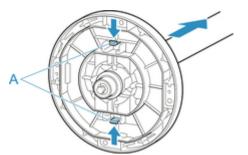
1. Push holder stopper lever (A) toward shaft to release lock, and while holding in position (B), remove holder stopper from roll holder.



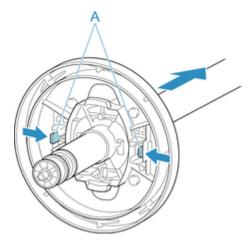
2. Remove roll holder from roll paper.



- 3. To remove 3-Inch Paper Core Attachment, press tabs (A) inward and remove attachment.
  - roll holder Side



• holder stopper Side



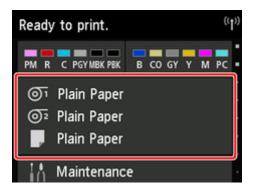
## >>>>Important

• Store the roll in the original bag or box, away from high temperature, humidity, and direct sunlight. If paper is not stored properly, the printing surface may become scratched, which may affect the printing quality when you use it again.

# Feeding Roll Paper Manually

After feeding the roll paper, you can move it forward and back.

1. Tap paper settings display area on Home screen of touch screen.



## >>>Note

• If the Home screen does not appear, tap the **Home** button.

- 2. Tap **1** or **2** area.
- 3. Tap Feed/cut.
- 4. Tap or touch **Advance** and **Rewind** to move roll paper forward or back.

### Note

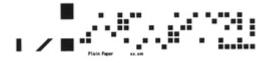
• Tapping Advance or Rewind moves the roll paper approximately 0.04 inches (1 mm).

Touching **Advance** or **Rewind** moves the roll paper until you release the key. If **"Cannot advance the paper any more."** appears on the touch screen, release the key.

5. Tap **OK** when you have determined position of roll paper.

# Keeping Track of the Amount of Roll Paper Left

When you set **Manage remaining roll amount** to **Enable** in **Device settings** on the Home screen, the amount of remaining roll paper and the media type information are printed as a barcode and text when the paper is removed. When **Manage remaining roll amount** is set to **Enable** and you load roll paper with a printed barcode, the media type and remaining amount are automatically detected after the roll paper is loaded. The barcode will be cut off after it has been read.

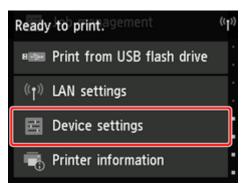


### >>>Important

• If the barcode on the roll paper is not detected, enter the media type and length on the touch screen.

Follow the steps below when setting Manage remaining roll amount to Enable.

1. Tap **Device settings** on Home screen of touch screen.



### Note

- If the Home screen does not appear, tap the **Home** button.
- 2. Tap Paper-related settings.
- 3. Tap Manage remaining roll amount.
- 4. Tap Enable.

# Specifying the Ink Drying Time for Rolls

When you are using paper that takes longer for ink to adhere, ink may be transferred onto the paper surface during ejection, soiling it. In that case, you may be able to improve the condition by setting the time to wait for the ink to dry after printing.

## >>>Note

• If the Cutter touches the print surface on which the ink is not dry, the paper surface may become scratched or soiled, or the paper surface may rub when the paper falls and the surface may become soiled.

To wait for the ink to dry without allowing printed materials to fall after printing, set **Cutting mode** on the printer menu to **Eject cut**. (See "<u>Specifying the Cutting Method for Rolls</u>.")

• The settings can also be made from the touch screen on the printer. From **Paper settings**, select **Paper settings** > **Advanced** and set **Pause between scans** and **Pause between pages**.

## Windows

1. Display the printer driver dialog box.

(See "How to Open the Printer Driver Setup Window.")

2. Select Main sheet and click Specify for Media Type.

🖶 Car	non	Printing	g Preferenc	es	>
Main	Page Setup	Layout	Favorites	Utility	
				Media Type : Plain Paper	~
	-			Get Information Specify	
				Easy Settings 🗸 🗸	
				Print Target :	_
				Default Settings Photo (Color)	
Let	ter (8.5"x11") : 8.5	0 in x 11	00 in	Photo (Monochrome) Poster	
	Actual Size ter (8.5"x11") :				
Lei		0 in x 11	.00 in	Print Quality : Standard	$\sim$
				Suitable for printing normal documents that contain a mixture of text, photographs and graphics.	^
	-4		7	court for uncollection on une Brothe anne t	
		2			v
	R			<u>V</u> ew Settings	
1				Preview before printing	
		•		Status Monitor About Defaults	
				OK Cancel Apply He	lp di

3. In the **Paper Detailed Settings** dialog box displayed next, select the desired values from the lists for **Between Pages** and **Between Scans** in **Drying Time**, and then click **OK**.

(See "<u>Main Tab Description</u>.")

Paper Detailed Settings	×
Drying Time	
Between Pages :	Printer Default $\sim$
Between Scans :	Printer Default $\sim$
Roll Paper Safety Margin	
Near End Margin :	Printer Default $\checkmark$
<u>Cut Speed</u> :	Printer Default 🗸
Unidirectional Printing	
Calibration Value :	Printer Default
F Information	
OK Car	ncel Defaults <u>H</u> elp

## Mac OS

- 1. Choose **Print** in the application menu.
- 2. Select Paper Detailed Settings panel.

	Printer:	Canon	PRD 400000 am	0
	Presets:	Default	t Settings	0
	Copies:	1		
	Pages:	Notes		
	Paper Size:	Layou Color	t Matching	əy 297 mm
	Orientation:	Paper Cover	Handling Page	*
	1		y & Media Options	•
	Me	Paper	Detailed Settings	2
	Paper		Processing onal Settings	0
	Print Q	uality:	Fast	0
			Black and White Ph	noto Print
	Rendering	Intent:	Perceptual (Photo)	0
			Print Preview	
? PDF V Hide Details				Cancel Print

3. Select desired values from lists for **Dry Time (Between Pages)** and **Dry Time (Between Scans)**.

(See "Paper Detailed Settings.")

	Printer: Canon
	Presets: Default Settings
	Copies: 1
	Pages: All From: 1 to: 1
	Paper Size: A4 210 by 297 mm
	Orientation:
	Paper Detailed Settings
	Dry Time (Between Pages): Printer Default
	Dry Time (Between Scans): Printer Default
(( ) 10f1 ) >>>	Roll Paper Safety Margin: Printer Default
	Cut Speed: Printer Default
	Unidirectional Printing
	Calibration Value: Printer Default
? PDF Hide Details	Cancel Print

# Specifying the Cutting Method for Rolls

How rolls are cut after ejection varies depending on printer settings.

Cutting Method		Printer Setting		Driver Setting	
Automatic cut Eject (when the paper surface is be- ing scratch- ed / to wait for ink to dry)	The roll is automatically cut by the cutter blade according to the printer driver set- tings. Select this to move the cutter by touch screen operation and cut paper. With <b>Auto- matic cut</b> , the paper drops and may rub against the basket, resulting in damage to the print surface, but you can cut using this method and supporting the paper so that it does not drop to avoid damage to the pa- per. Also, you can prevent paper that has not dried from dropping by visually check- ing the ink has dried, and then cutting the paper. After printing, tap <b>Cut paper</b> and cut the roll paper on the cutter blade.	Roll Paper 1/Roll Paper 2 > <b>Paper</b> settings > Advanced > Cutting mode	Automatic cut Eject cut	Automatic Cutting See " <u>Cut-</u> ting Roll Paper after Printing" (Win- dows). See "Cut- ting Roll Paper after Printing" (Mac OS).	Yes
Manual (when using media that cannot be cut with the cut- ter blade)	Select this if the paper cannot be cut on the cutter blade. Cut each page from the roll using scissors. For continuous printing (if you will cut each page later), select <b>Automatic Cutting</b> > <b>Yes</b> or select <b>Print Cut Guideline</b> .		User cut		No, Yes, Print Cut Guideline
Paper cutting (to have the roll cut at your specified position)	Select this when you want to cut the roll pa- per by operating the cutter blade using the touch screen after printing with <b>No</b> or <b>Print</b> <b>Cut Guideline</b> selected in <b>Automatic Cut- ting</b> in the printer driver. Otherwise choose this option if you want to cut the roll edge after loading a roll.	Roll Paper 1/Roll Paper 2 > Feed/cut > Cut paper	Yes		No, Print Cut Guideline

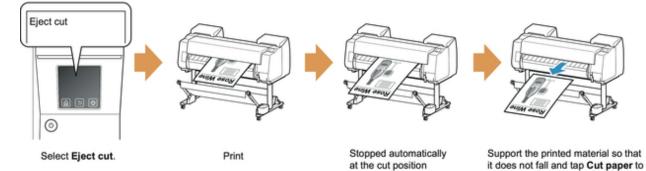
### >>>Note

 Automatic and Eject are valid only when you have selected Automatic Cutting > Yes in the printer driver.

- With Eject, printing does not resume after a series of jobs have been printed continuously until the roll is cut.
- **Eject cut** is the preset selection in **Cutting mode** for some types of paper. For this paper, we recommend keeping the preset cutting mode.

• If documents printed using Automatic, Eject, or manual cutting are short, rolls are advanced a specific amount before cutting to prevent problems with cutting and paper ejection. This may create a wider bottom margin, in some cases.

Cut rolls manually in the following cases:



## Eject (when the paper surface is being scratched / to wait for ink to dry)

## >>>Important

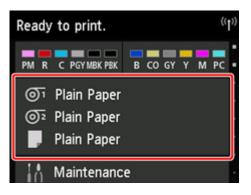
• When cutting wide printed documents after ejection, have two people support the documents. If the paper drops, printed documents may be damaged.

cut the paper.

• Do not lift the paper when holding printed documents before cutting. If the paper rises, it may affect the printing quality or cause rough cut edges.

### >>>Note

- Once the following step has been performed, the procedure can be started from step 7 the next time.
  - Printing the second and subsequent times
  - Printing after replacing with the same type of paper
- 1. Tap paper settings display area on Home screen of touch screen.



### >>>Note

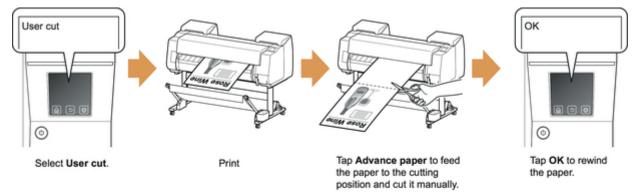
• If the Home screen does not appear, tap the **Home** button.

- 2. Tap paper feed slot where roll paper for which you want to set cutting method is loaded.
- 3. Tap Paper settings.
- 4. Tap Advanced.
- 5. Tap Cutting mode.
- 6. Tap Eject cut.
- 7. Print the job.

When printing is finished, the printer will stop without cutting.

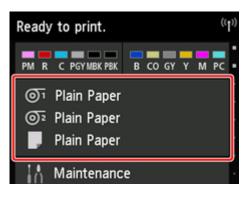
8. While holding printed document to prevent it from dropping, tap **Cut paper** to cut roll paper.

## Manual (when using media that cannot be cut with the cutter blade)



### >>>Note

- Once the following step has been performed, the procedure can be started from step 8 the next time.
  - · Printing the second and subsequent times
  - Printing after replacing with the same type of paper
- 1. Tap paper settings display area on Home screen of touch screen.



### >>>Note

• If the Home screen does not appear, tap the **Home** button.

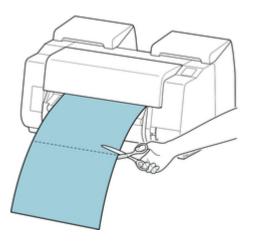
- 2. Tap paper feed slot where roll paper for which you want to set cutting method is loaded.
- 3. Tap Paper settings.
- 4. Tap Advanced.
- 5. Tap Cutting mode.
- 6. Tap User cut.
- 7. When **Do you want to set to detect the leading edge of the paper?** is displayed, select **Detect (recommended)**.
- 8. Print the job.

The printer stops advancing the paper after printing.

#### 9. Tap Advance paper.

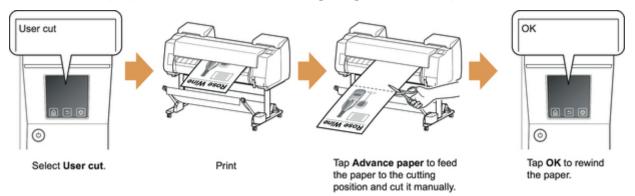
Roll paper is fed to the specified cut position and then automatically stopped.

10. Cut the roll paper manually with scissors or the like.



### 11. Тар **ОК**.

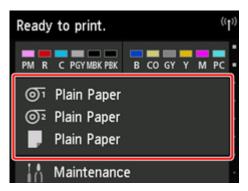
After the roll is rewound, it stops automatically.



## Manual (for paper of which the leading edge rubs the printhead)

## >>>Note

- Once the following step has been performed, the procedure can be started from step 8 the next time.
  - Printing the second and subsequent times
  - Printing after replacing with the same type of paper
- 1. Tap paper settings display area on Home screen of touch screen.



## >>>Note

• If the Home screen does not appear, tap the **Home** button.

- 2. Tap paper feed slot where roll paper for which you want to set cutting method is loaded.
- 3. Tap Paper settings.
- 4. Tap Advanced.
- 5. Tap Cutting mode.
- 6. Tap User cut.
- 7. When **Do you want to set to detect the leading edge of the paper?** is displayed, select **Do not detect**.

### Note

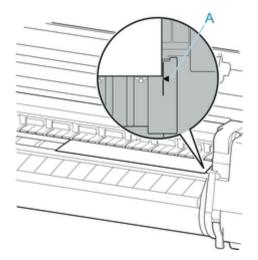
- If you set the detection of paper leading edge to **Do not detect**, a margin of about 10 cm is created at the paper leading edge when printing starts.
- When the detection of paper leading edge is set to **Do not detect**, printing will start at the position at which the roll was set for the first printing after replacing a roll. Thus, the margin of the paper leading edge will enlarge.

(See "Loading the Upper Roll on the Printer.")

8. Tap **Back** button twice to display roll paper screen.

### 9. Tap Feed/cut.

10. Tap or touch **Advance** or **Rewind**and align paper's leading edge with position (A).



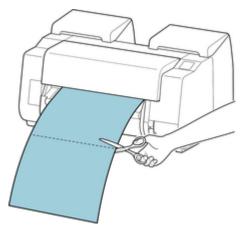
### 11. Print the job.

The printer stops advancing the paper after printing.

### 12. Tap Advance paper.

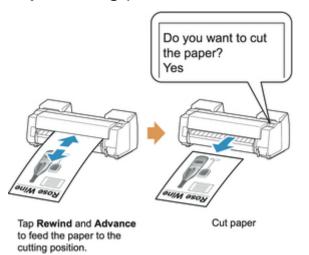
Roll paper is fed to the specified cut position and then automatically stopped.

13. Cut the roll paper manually with scissors or the like.



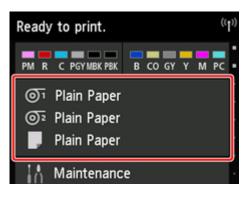
## 14. Тар **ОК**.

After the roll is rewound, it stops automatically.



## Paper cutting (to have the roll cut at your specified position)

1. Tap paper settings display area on Home screen of touch screen.



## >>>Note

• If the Home screen does not appear, tap the **Home** button.

2. Tap paper feed slot where roll paper you want to cut is loaded.

### 3. Tap Feed/cut.

4. Tap or touch **Advance** or **Rewind** to feed roll paper to desired cutting position.

## 5. Tap Cut paper.

6. Tap **Yes**.

After the roll paper is cut, it is rewound automatically.

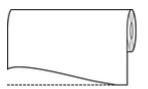
# **Cutting the Leading Edge of Roll Paper Automatically**

If the leading edge of the paper is cut crooked or is not cut straight when roll paper is loaded, it will not print correctly. If this happens, you can cut the leading edge of the paper straight when loading a paper roll by using **Trim edge first** in the touch screen menu.

The following settings are available for Trim edge first.

#### • Auto

If the leading edge of the paper is cut crooked and is not cut straight when loading roll paper, cut the leading edge straight and eject the fragment of paper to prevent printing on the platen and soiling the printer.



#### Auto (default length)

The amount to cut from the leading edge of the paper varies depending on the media type and is cut to a prescribed length. For the leading edge precut length, see "Paper Information List".

#### Auto (specified length)

Specify the amount to cut from the leading edge of paper on the touch screen. The amount to cut from the leading edge can be specified in the range of lengths that appear on the touch screen. The range of lengths differs according to the media type.

#### >>>Note

• The amount to cut from the leading edge of paper cannot be set shorter than the length that appears on the touch screen.

#### Manual

The amount to cut from the leading edge of paper can be adjusted by using the touch screen.

To cut the paper after adjusting, tap **Cut paper** and **Yes**.

After cutting the paper, tap Complete paper loading.

#### Note

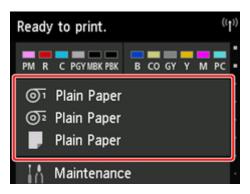
• If you do not tap Complete paper loading after cutting the paper, you cannot print the next job.

#### • OFF

The edge is not cut and scraps are not removed.

#### Follow these steps to change the Trim edge first setting.

1. Tap paper settings display area on Home screen of touch screen.



## >>>Note

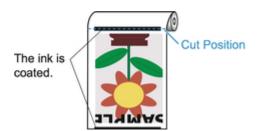
• If the Home screen does not appear, tap the **Home** button.

- 2. Tap 🗿 or 💁
- 3. Tap Paper settings.
- 4. Tap Advanced.
- 5. Tap Trim edge first.
- 6. Tap desired Trim edge first settings.

This setting takes effect the next time you load a roll.

# **Reducing Dust from Cutting Rolls**

If the paper tends to generate dust when cut, such as with Backlit Film, you can reduce flying dust by setting **Cut-dust reduction** to **ON** from the touch screen menu, which will coat the leading and trailing edges of the printed document with ink. As a result, you can reduce problems with the print head. You can set **Cut-dust reduction** according to the media type.

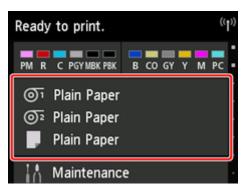


## >>>Important

- Do not set **Cut-dust reduction** to **ON** for paper that wrinkles easily, such as Plain Paper or lightweight paper. If not cut properly, the paper may jam.
- Borderless printing is not available when **Cut-dust reduction** is set to **ON**. When performing borderless printing, set **Cut-dust reduction** to **OFF**.

Follow these steps to set Cut-dust reduction to ON.

1. Tap paper settings display area on Home screen of touch screen.



### Note

• If the Home screen does not appear, tap the **Home** button.

2. Tap **1** or **2** area.

- 3. Tap Paper settings.
- 4. Tap Advanced.
- 5. Tap Cut-dust reduction.

6. Tap **ON**.

# **Automatically Switch Rolls**

By using the optional roll unit as a roll paper feed device, you can load an upper roll (Roll 1 on printer) and a lower roll (Roll 2 on the roll unit), and print on while automatically changing between Roll 1 and Roll 2 depending on the print job.

For details on how to switch between Roll 1 and Roll 2, see "<u>How to Switch Paper Rolls</u>" (Windows) or "How to Switch Paper Rolls" (Mac OS).

## >>>Important

• If **Paper retention setting** is set to **Release**, automatic switching of roll paper cannot be used.

# Handling sheets

- ➡ Loading Sheets in the Printer
- Changing the Type of Paper
- ➡ Printing From a Desired Starting Point
- ➡ <u>Removing Sheets</u>
- Clearing a Jammed Sheet

## Loading Sheets in the Printer

Follow these steps to load sheets in the printer.

#### >>>Important

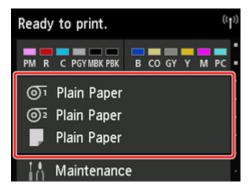
- Printing on sheets is supported only when using the Stand. However, paper that is up to 16.5 inches (420 mm) in length can also be loaded even without using a Stand.
- Paper that is wrinkled or warped may jam. If necessary, straighten the paper and reload it.
- Load the paper straight. Loading paper askew will cause an error. (See "1317.")

#### >>>Note

- Before loading cut sheets, check whether or not the inside of the top cover or the output guide is soiled. If these areas are dirty, we recommend cleaning them in advance. (See "<u>Cleaning Inside the Top</u> <u>Cover</u>.").
- Store unused paper in the original package, away from high temperature, humidity, and direct sunlight.
- 1. Select sheets as the paper source.
  - If a print job was received Sheets are automatically selected, and the media type and size specified by the print job are shown on the touch screen.

#### Tap OK and Load paper..

- If no print job was received
  - 1. Tap paper settings display area on touch screen.



#### >>>Note

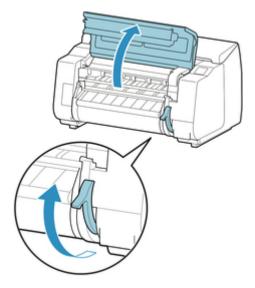
- If the Home screen does not appear, tap the **Home** button.
- 2. Tap area.
- 3. Tap Load paper. or Replace paper.

#### Note

• If any paper has been advanced that will not be used, a message is shown requesting you to remove it.

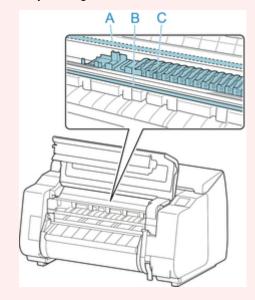
Follow the instructions on the screen to remove the paper, and redo the operation.

2. Open top cover and lift release lever.

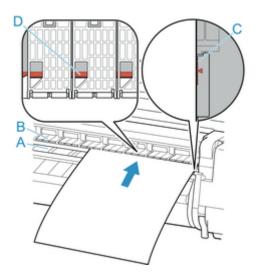


## >>>Important

• Do not touch Linear Scale (A), carriage shaft (B), or Ink Tube Stabilizer (C). Touching these parts may damage them.



- 3. Place cut sheet with the print side up, insert in portrait orientation between platen (A) and paper retainer (B), and align paper's far edge using the following steps.
  - 1. Load while aligning with right side paper alignment line (C).
  - 2. Align far edge of inserted sheet with leading edge of paper alignment line (D) as shown.



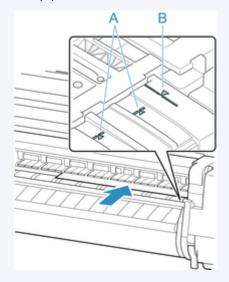
When you insert the sheet, it will adhere automatically to the surface of the platen.

## >>>Important

- Load the sheet so that it is parallel to the right paper alignment line (C). Loading paper askew will cause an error.
- Warped paper may rub against the print head. Straighten paper if it is warped before loading.

## >>>Note

• You can also align the cut sheet based on its near edge. In this case, load the cut sheet aligning its near edge with marks (A) on the platen and the right edge with the right-side paper alignment line (B).



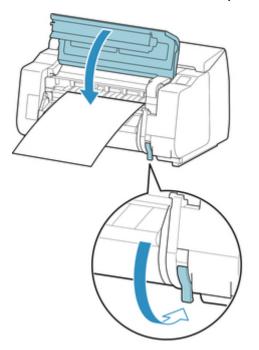
• You can adjust the vacuum strength holding the paper against the platen when the release lever is up. If it is difficult to load the paper, tap **Suction** on the touch screen and adjust the vacuum strength. You can adjust the vacuum strength to 5 levels.

However, even if you increase the suction, it may not be sufficient to hold some types of paper against the platen well. In this case, use your hand to load the paper.

• Sheets are held in place by suction through holes on the platen. Although the suction may produce a noise when paper is loaded in some positions, it does not indicate a problem. If the

noise is distracting, try moving the paper over slightly to the left or right (up to 0.039 in / 1 mm) while keeping it parallel to the paper alignment line.

- The suction remains on for about 30 seconds during loading. If you cannot finish loading a sheet during this time, pull the sheet away and reinsert it to start the suction again.
- 4. Lower release lever and close top cover.



- If a print job was received
   Tap **OK** to feed the paper and begin printing.
- If no print job was received
   A menu for selecting the media type appears.

Select the media type loaded and tap **OK**.

The printer now starts feeding the paper.

### >>>Note

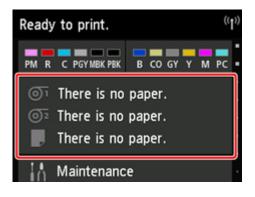
• For details on media types that you can select, see "Paper Information List."

# **Printing From a Desired Starting Point**

Print on sheets from a desired starting point as follows.

## Setting Detect paper width to Disable

1. Tap paper settings display area on Home screen of touch screen.



## >>>Note

• If the Home screen does not appear, tap the **Home** button.

- 2. Tap 🗖 area.
- 3. Tap Paper settings.
- 4. Tap Advanced.
- 5. Select Detect paper width and tap Disable.

## Load paper in the desired position to start printing from

Follow these instructions to load paper at the desired starting position for printing when **Detect paper** width is set to **Disable**.

1. If you did not send a print job in advance, a menu for selection of the type of paper is displayed.

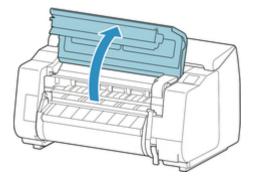
Tap media type loaded.



• If a print job was received before the paper was fed, the media type and size specified by the job are shown on the touch screen.

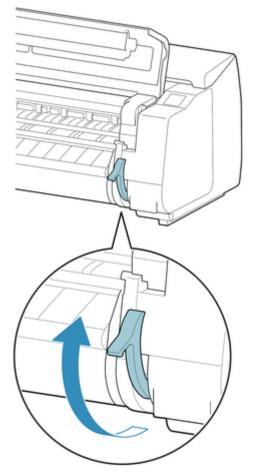
Go to step 2.

- 2. When "[Detect paper width] is disabled. Do you want to keep it disabled and continue?" appears on touch screen, tap Keep it disabled and continue.
- 3. Open top cover and check position where paper is loaded.

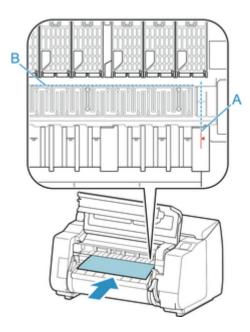


To start printing from the current position, close the top cover.

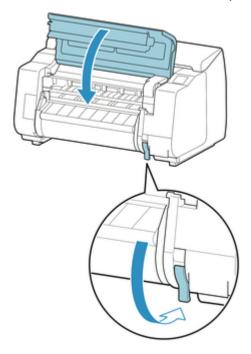
To reposition the paper, lift the release lever.



 Load paper keeping right edge of paper aligned with extended line of paper alignment line (A) on right side of printer and position from which to start printing aligned with groove (B) at far end of platen.



5. Lower release lever and close top cover.

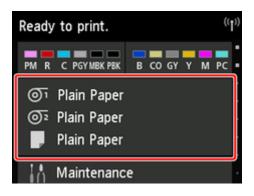


6. When screen for selecting paper size appears, select size of paper loaded.

# **Removing Sheets**

Remove sheets from the printer as follows.

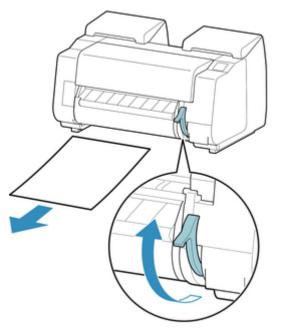
1. Tap paper settings display area on Home screen of touch screen.



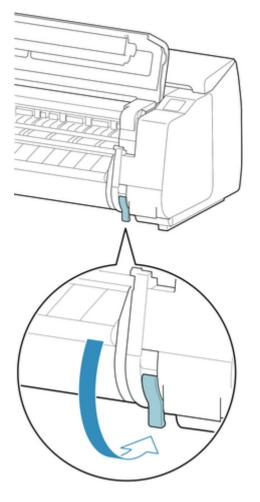
## >>>Note

• If the Home screen does not appear, tap the **Home** button.

- 2. Tap 🔲 area.
- 3. Tap Remove paper.
- 4. Check touch screen message and tap Yes.
- 5. When instructions for removing sheet appear on touch screen, lift release lever while holding sheet, and remove sheet.



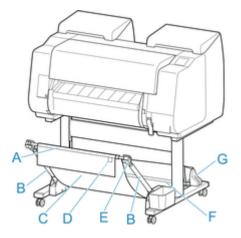
## 6. Lower release lever.



# Basket

- ➡ Parts of the Basket
- ➡ Using the Basket
- Example Basket Configurations
- Storing the Basket

## Parts of the Basket



A. Basket Rod (tag side)

Secures the cloth basket to the tips of the basket arm.

#### B. Basket Arm

Retains the basket rod (tag side).

By changing the length and the angle, you can make the basket suitable for various conditions.

When not using the basket, you can lower it and store alongside of the stand. (See "<u>Storing the</u> <u>Basket</u>.")

C. Basket

A cloth tray that catches ejected documents.

D. White Tag

Marks indicating basket attachment orientation.

- E. Basket Rewind Button Press this button when rewinding the basket after it has been wound on the basket rod (tag side).
- F. Basket Rod (cord side)

Secures the cloth basket on the rod holder.

G. Rod Holder

Retains the basket rod (cord side).

For instructions on using the basket, see "Using the Basket."

# Using the Basket

By changing the following four items for the basket, which is a part of the optional Stand, you can use the basket in various ways to suit your application.

- · Length of basket arm
- Tilt of basket arm
- Attachment position of basket
- · Length of basket

This section describes how to change the basket.

For specific examples of basket use, see "Example Basket Configurations."

## >>>Important

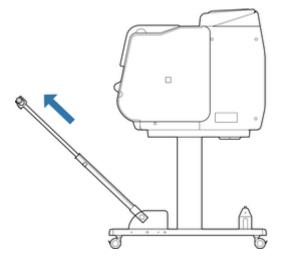
- When changing the position of the basket, first return the basket to a unwound state while pressing the basket rewind button on the right end of the basket rod (tag side), and then make the change.
- If the basket rod (tag side) has come off the basket arm, attach it by inserting the projections on both ends of the basket rod (tag side) into oval holes on the tip of the basket arm.
- When moving the printer, remove the basket.
- Do not apply excessive force to the basket. Doing so may damage the basket.
- If the cloth part of the basket becomes dirty, wipe off the dirt without washing. Washing it may affect the performance of the basket.

## Changing Length of basket arm

You can change the length of the basket arm in two steps.

To lengthen, expand the left/right basket arm in the direction of the arrow.

To shorten, contract the left/right basket arm in the opposite direction of the arrow.

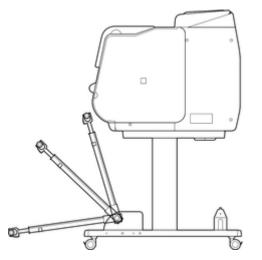


## >>>Important

• When lengthening the basket arm, first return the basket to an unwound state while pressing the basket rewind button on the right edge of the basket rod (tag side), and then make the change.

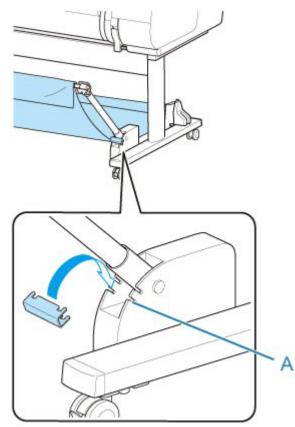
## Changing Tilt of basket arm

You can change the tilt of the basket arm in three steps.



When securing the basket arm, attach the basket locking support to the basket arm (A) on both sides.

Basket Locking Supports might not be included depending on your region.



### >>>Important

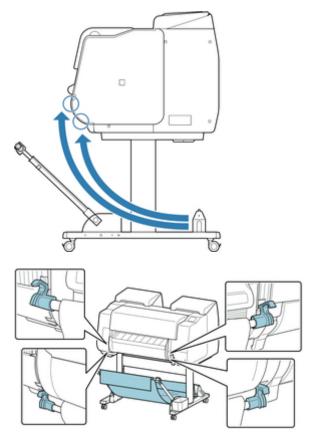
- If you are changing the angle of the basket arm, make sure the thick part of the basket arm is pulled out as far as possible.
- When changing the angle of the basket arm, hold the thick part of the left/right basket arm, and adjust them.
- While using the basket locking support, do not apply excessive force to the orientation in which you lower the basket arm Doing so may damage the basket.
- While using the basket locking support, you cannot use "<u>Printing on Large-Format or Easily Damaged</u> <u>Paper (Position 3)</u>". When using this position, detach the basket locking support.
- While using the basket locking support, you cannot store the basket. When you store the basket, detach the basket locking support.

Storing the Basket

## **Changing Attachment Position of basket**

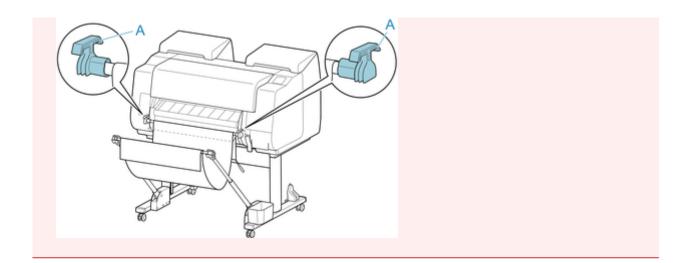
You can attach the basket rod (cord side) to the stand's rod holder or the front of the printer.

To attach, hang both sides of the basket rod (cord side) on the paired attachment locations shown in the illustration.



### >>>Important

• When attaching the basket rod (cord side) to the front of the printer, make sure both ends of the rod (A) are securely hooked onto the attachment parts.

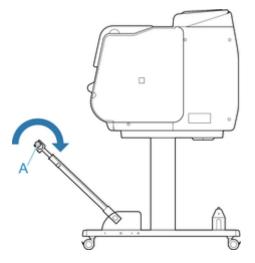


# **Changing Length of basket**

You can adjust the basket length by rotating the basket rod (tag side).

To shorten, rotate the basket rod (tag side) in the direction of the arrow to wind the basket.

To lengthen, rotate the basket rod (tag side) in the opposite direction of the arrow while pressing the basket rewind button (A) on the right end of the basket rod (tag side). You can return the wound basket to its original position.



# **Example Basket Configurations**

Various positions are possible for the basket that collects the printed materials.

In this section, we present the following five positions as examples of using the basket. Switch the position of the basket to suit to the media type and the print job.

- Using Without roll unit (Position 1)
- Using With roll unit (Position 2)
- Printing on Large-Format or Easily Damaged Paper (Position 3)
- Stacking Printed Materials (Position 4)
- Moving Printed Materials to Next Work Area Immediately (Position 5)

For instructions on switching the basket position, see "Using the Basket."

### >>>Important

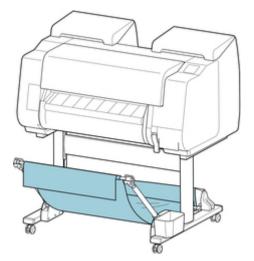
- If replacing the roll paper or using the roll unit as a take-up device, you must store the basket. For instructions on storing the basket, see "<u>Storing the Basket</u>."
- If the printed materials collected are damaged or folded, select Eject cut in Cutting mode or use the basket in a different position. (See "Specifying the Cutting Method for Rolls.")

### >>>Note

· For details on the printer dimensions when using the basket, see "Specifications."

## Using Without roll unit (Position 1)

You can use the basket in the following positions when not using the roll unit.



## >>>>Important

• The number of sheets that can be collected in the basket is one. If printing multiple pages, print after removing each sheet.

- If using the roll unit as a feed device, we recommend using it as described in "<u>Using With roll unit</u> (<u>Position 2</u>)".
- If using the roll unit and using the Position 1 basket, the printed materials may come in contact with the roll unit depending on the paper, resulting in damage.
- If using the roll unit as a feed device and using the Position 1 basket, the ejected roll paper's cut end enters the roll unit and may cause a paper jam or affect the print quality when set to **Borderless Printing** or **Trim edge first** when loading the paper.
- Roll paper up to 62 inches (1,575 mm) in length can be collected in the basket. If printing on longer roll paper, use as described in "<u>Printing on Large-Format or Easily Damaged Paper (Position 3)</u>" or use with the roll unit as the take-up device.

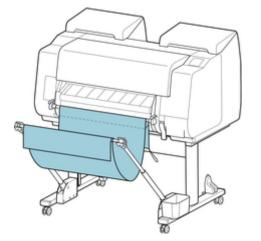
## Using With roll unit (Position 2)

You can use the basket in the following positions when using the roll unit as a feed device.

This position is useful also when rewinding printed roll paper by hand.

Move the basket rod (cord side) to the upper of the two pairs of attachment locations on the front of the printer, and extend the basket arm as far as possible at the angle shown to achieve this position.

You can adjust the basket length so that it is easy to use.



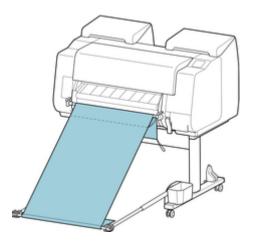
### >>>Important

• You can place up to approximately 4.41 lbs (2 kg) of printed materials in the basket. If the weight of the printed materials is greater than that, the basket may fall over.

## Printing on Large-Format or Easily Damaged Paper (Position 3)

If printing on large-format or easily damaged paper, you can use the basket in the following position.

Move the basket rod (cord side) to the upper of the two pairs of attachment locations on the front of the printer, extend the basket arm as far as possible, and lower it to the angle shown. Next, adjust the length so that the basket is pulled into this position.



## >>>Important

- Always select **Eject cut** in **Cutting mode** when used in this position. If you select **Automatic cut**, the printed materials may be damaged. (See "<u>Specifying the Cutting Method for Rolls</u>.")
- Be extra careful when using paper that tends to curl or is damaged easily in this position.
- With some types of paper, the leading edge may curl or bend during ejection. In this case, straighten out the paper. Printed documents may be damaged if the paper is curled or bent.
- Depending on the paper, the paper may be caught between the output guide and the basket when being ejected. In this case, fix the paper that is caught. If the paper is caught, printed documents may be damaged.

## **Stacking Printed Materials (Position 4)**

You can use the basket in following positions when you want to stack printed materials.

Move the basket rod (cord side) to the lower of the two pairs of attachment locations on the front of the printer, extend the basket arm as far as possible in the angle shown. Next, adjust the length so that the basket is pulled into this position.



### >>>Important

- You can stack up to 10 sheets of A2 Portrait Glossy Photo Paper and 20 sheets of Heavyweight Coated Paper HG with the basket in this position. If you stack more than this, it may damage the print side of the paper or cause the basket to fall over.
- In the following cases, use as described in "<u>Using Without roll unit (Position 1)</u>" or "<u>Using With roll</u> <u>unit (Position 2)</u>". If printing multiple pages in these positions, print after removing each sheet.
  - · Paper other than Glossy Photo Paper/Heavyweight Coated Paper HG
  - · Printed materials other than A2 portrait
  - · Paper curls an extreme amount due to paper characteristics and printing environment
  - If there is not much paper remaining on the roll, and the paper curls an extreme amount

## Moving Printed Materials to Next Work Area Immediately (Position 5)

You can use the basket in the following position when moving the printed materials to the next work area immediately.

Move the basket rod (cord side) to the upper of the two pairs of attachment locations on the front of the printer, extend the basket arm as far as possible in the angle shown. Next, adjust the length so that the basket is pulled into this position.



- Be extra careful when using paper that tends to curl or is damaged easily in this position.
- With some types of paper, the leading edge may curl or bend during ejection. In this case, straighten out the paper. Printed documents may be damaged if the paper is curled or bent.
- Depending on the paper, the paper may be caught between the output guide and the basket when being ejected. In this case, fix the paper that is caught. If the paper is caught, printed documents may be damaged.

# Storing the Basket

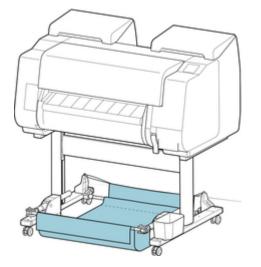
Store the basket in the following two positions when not in use. Select the position to suit the circumstances.

- If Changing Roll Paper or Using roll unit as Take-up Device
- Using Without basket (Only When roll unit Is Not Used)

## If Changing Roll Paper or Using roll unit as Take-up Device

If replacing the roll paper or using the roll unit as a take-up device, store the basket.

You can store the basket, by attaching the basket rod (cord side) to the rod holder, lowering the basket arm until level, and then pushing as far back as possible.

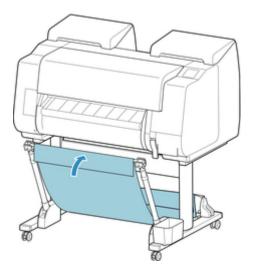


#### >>>Important

- If changing the basket position, first release and rewind the basket. If it is not released and rewound, the change may not be performed smoothly, or the basket may be damaged. (See "<u>Using the</u> <u>Basket</u>.").
- If you are changing the angle of the basket arm, make sure the thick part of the basket arm is pulled out as far as possible.
- If the basket rod (tag side) has come off the basket arm, attach it by inserting the projections on both ends of the basket rod (tag side) into oval holes on the tip of the basket arm.
- Do not apply excessive force to the basket. Doing so may damage the basket.

## Using Without basket (Only When roll unit Is Not Used)

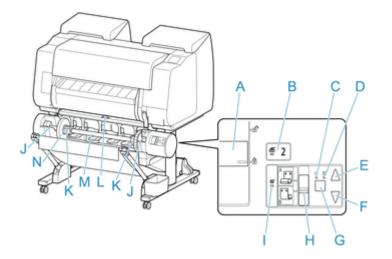
If you are not using the roll unit, you can easily store the basket by holding the thick parts of the left/right basket arm in the Position 1 (See "Example Basket Configurations.") state, and moving them in the direction of the arrow.



# **Roll Unit**

- ➡ Parts of the Roll Unit
- ➡ Roll Unit
- Switching Roll Unit Modes
- ➡ Using the Roll Unit In Take-Up Mode
- ➡ Removing Printed Paper from the Roll Unit

# Parts of the Roll Unit



#### A. Roll Holder Lock Switch

Locks and releases the Roll Holder loaded in the roll unit.

#### B. Feed Mode Lamp

Lights up when you have selected the feed mode on the roll unit.

#### C. Auto Take-up Lamp

Lights up when the paper is being taken up.

#### D. Pause Lamp

Lights up when the paper winding is paused.

#### E. Take-up Button

You can rotate the roll unit the desired amount as long as winding is not in progress. When the winding direction is set to inward winding, the unit takes up the paper; when it is set to outward winding, the unit rewinds the paper.

#### F. Rewind Button

You can rotate the roll unit the desired amount as long as winding is not in progress. When the winding direction is set to inward winding, the unit rewinds the paper; when it is set to outward winding, the unit takes up the paper.

#### G. Auto Take-up/Pause Button

Pauses and resumes the taking up of paper.

H. Inward/Outward Winding Changeover Switch

Changes the winding direction when the paper is wound (inward winding and outward winding).

#### I. Take-up Mode Lamp

Lights up when you have selected the take-up mode on the roll unit.

# J. Roll Holder Slot

Slide the Roll Holder into these guide grooves.

- K. 3-Inch Paper Core AttachmentAttaches to the Roll Holder when you are using a roll paper with a 3-inch paper core.
- L. Feed Flap Switch

Change the feed flap position depending on the roll unit mode.

### M. Roll Holder

Load the roll on this holder.

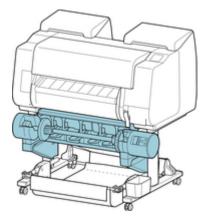
N. Holder Stopper

This part secures the roll paper on the Roll Holder.

# **Roll Unit**

The roll unit functions as a feed device that can accommodate an additional roll for a total of two rolls on the printer and as a take-up device that automatically takes up the printed roll paper.

Switch between these two functions depending on the circumstances.



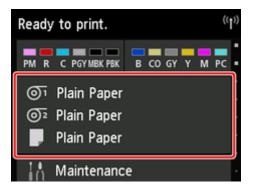
For instructions on attaching the roll unit, see the Roll Unit Setup Guide.

# **Switching Roll Unit Modes**

Before using the roll unit, follow these steps to select the mode you want to use.

### >>>Important

- After switching the roll unit function, you must use a separate computer to apply the roll unit settings to the printer driver. For details, see "<u>Reflect Roll Unit Settings in the Printer Driver</u>" (Windows) or "Reflect Roll Unit Settings in the Printer Driver" (Mac OS).
- If you change the roll unit from a take-up device to a feed device, first cut the paper that has been taken up.
- 1. Tap paper settings display area on Home screen of touch screen.



### >>>Important

• If the Home screen does not appear, tap the **Home** button.

# 2. Tap 🞯 or 💇 area.

Paper settings	
œ٦	Plain Paper A3
@2	Plain Paper 567.8mm
,	Plain Paper A4

- 3. Change function of roll unit.
  - Using as feed device
    - 1. Tap Roll unit use setting.
    - 2. Tap **ON** when message confirming roll unit's change to feed mode appears.

#### >>>Note

- If you change the mode without cutting the roll paper with the printer's cutter, a screen confirming whether or not the paper taken up has been cut appears after you tap **ON**. If the paper has not been cut, select **No** and cut the paper that has been taken up first.
- 3. Load roll paper on roll unit.

For details, see "Loading the Lower Roll on the Roll Unit (Option)."

- Using as take-up device
  - 1. Tap Roll unit use setting.
  - 2. Tap **ON** when message confirming roll unit's change to take-up mode appears.
  - 3. Tap to select paper cutting settings when using take-up mode.

#### Note

- If you selected **Do not cut**, the roll paper will not be cut after printing regardless of the **Cutting mode** setting (See "<u>Specifying the Cutting Method for Rolls</u>.") on the printer. Select this option when you want to print multiple pages consecutively without cutting.
- If you selected Use the cutting mode setting, cutting for each page will be performed according to the Cutting mode setting (See "<u>Specifying the Cutting Method for Rolls</u>.") on the printer.
- If you select Use the cutting mode setting, and Automatic Cutting is set in the Cutting mode settings (See "Specifying the Cutting Method for Rolls.")on the printer, we recommend setting Wind up after cutting to Enable. When set to Disable, a printed document that has been taken up is cut automatically without being pressed, resulting in fraying.
- If roll paper is loaded from the roll unit to the printer, a screen confirming whether or not to remove the roll paper appears. If you select **Yes**, the roll paper is positioned so that it can be removed and the roll unit changes to a take-up device.
- 4. Tap **Yes** or **No** when message confirming whether roll unit will be used immediately in take-up mode appears.

If you tap Yes, the steps for loading the paper on the roll unit appear on the touch screen.

If you tap **No**, the operation ends here. Load the paper on the roll unit when printing. However, in this case, you must load the paper while printing is progressing, so instructions will not appear on the touch screen.

For details on loading paper on the roll unit set as a take-up device, see "<u>Using the Roll Unit In</u> <u>Take-Up Mode</u>."

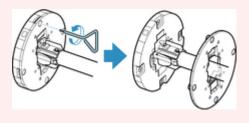
#### Note

• If you select **Yes**, a margin of approximately 23.62 inches (600 mm) is generated at the leading edge because the roll paper advances to the roll unit before printing.

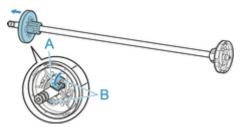
# Using the Roll Unit In Take-Up Mode

## >>>Important

- For details on the roll paper compatible with winding, see "Paper Information List.".
- Before loading the roll paper to be taken up on the roll unit, set the roll unit mode to take-up device on the printer touch screen. (See "Switching Roll Unit Modes.")
- The following operation assumes that the roll holder is not installed on the roll unit and that roll paper is not loaded on the roll holder. If the roll holder is installed on the roll unit, first remove the roll holder from the roll unit, and then remove the roll paper loaded on the roll holder. (See "<u>Removing the Lower Roll</u> from the Roll Unit (Option).") (See "<u>Removing Rolls From the Roll Holder</u>.")
- Paper winding is possible until the outer diameter of the wound paper is the same as the outer diameter of the holder stopper.
- When printing on lightweight paper or without a border, the border of the paper may get wrinkled coming in contact with the roll holder, resulting in poor winding. If these problems occur when winding using a 2-inch core, remove the spacer held in place by 4 hex screws on the roll holder flange, and then wind.

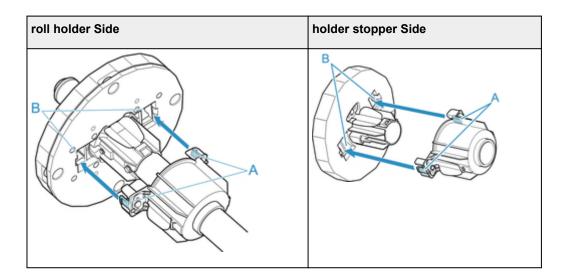


- 1. Store basket. (See "Storing the Basket.")
- 2. Push holder stopper lever (A) toward shaft to release lock, and while holding in position (B), remove holder stopper from roll holder.

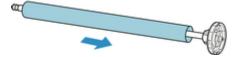


If taking up roll paper whose paper core has an inner diameter of 3 inches (76.2 mm), insert
 3-Inch Paper Core Attachment in roll holder and holder stopper.

Align the 3-Inch Paper Core Attachment tabs (A) with the holes on the roll holder or holder stopper (B) and insert firmly.

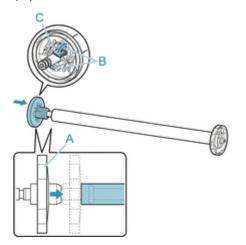


4. Insert paper core, which is for winding roll paper, into roll holder.

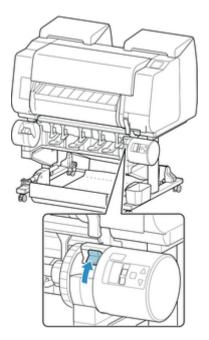


### >>>>Important

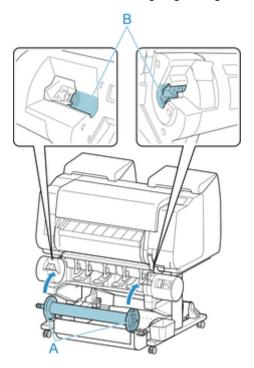
- We recommend using a paper core that is wider than the paper to be wound when winding paper. If you use a narrower paper core, use with a gap between the holder stopper and the paper.
- Always use a paper core for winding that is the same thickness or is thicker than the roll paper's paper core. If you use a paper core that is thinner, it may affect take up.
- Insert holder stopper from left into roll holder as shown, and then while holding in position (B), push firmly until holder stopper flange (A) touches roll paper. Lift holder stopper lever (C) from shaft to lock.



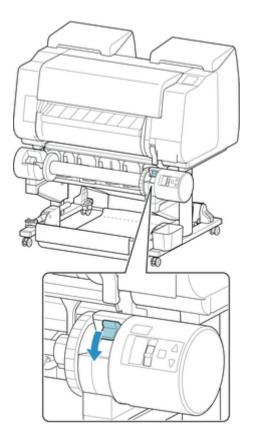
6. Change **Roll Holder Lock** switch on roll unit to release direction.



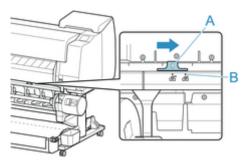
7. Hold flanges (A) so that roll holder's white gear is on left, align roll holder shaft with roll holder slot left and right guide grooves (B), and load.



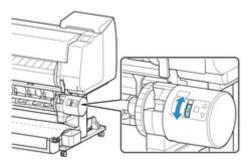
8. Change **Roll Holder Lock** switch on roll unit to lock direction.



 Change the feed flap switch on top of the roll unit so that the switch indicator (A) is aligned with ● (B) position on the take-up icon.



10. Change **Inward/Outward Winding Changeover** switch on roll unit to desired winding direction.

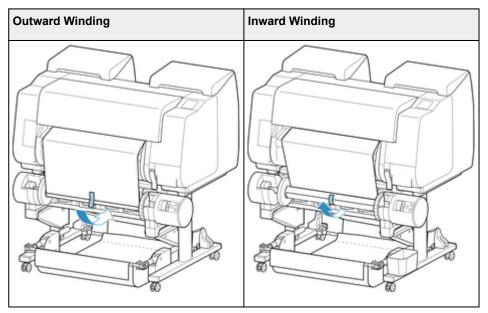


### >>>Note

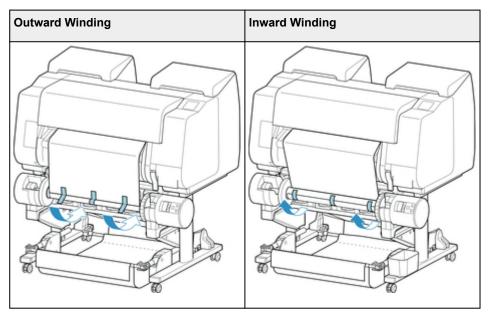
- For the winding direction of the roll paper, you can select either outward winding to make the printed surface on the outside of the roll or inward winding to make the printed surface on the inside of the roll.
- 11. Follow these steps to secure the leading edge of the roll paper to the paper core with tape.
  - If message appears on touch screen to confirm whether or not to advance paper automatically so it can be secured with tape
    - 1. Tap **Yes**.

The leading edge of the roll paper advances until it is close to the roll unit.

2. Hold center of leading edge of roll paper, align right edge of take-up spool paper core's right edge and tape center to paper core while pulling on roll paper evenly.

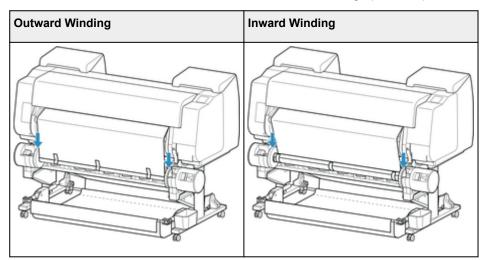


- If winding with inward winding, you must pass the leading edge of the roll paper to the back of the paper core and secure with tape. If this operation is difficult, you can also remove the roll holder, push the roll paper into the back, reinstall the roll holder, and pass the roll paper to the back of the paper core.
- 3. Align right edge of roll paper to right edge of paper core while pulling on roll paper evenly, and secure with tape.
- 4. While making sure that roll paper is flat, secure left edge of roll paper to paper core with tape.



#### >>>Important

- Secure the left and right edges of the roll paper with tape within 1.97 inches (50 mm) of the edges so that neither end of the roll paper lift up.
- When rewinding heavyweight paper, use strong adhesive tape to fasten it. Otherwise, a rewinding problem may result.
- If you use a paper core narrower than the paper to be wound, adjust the position of the holder stopper, so that there is a gap between the holder stopper and the paper.
- 5. Make sure the leading edge of the roll paper is not lifting up from the paper core, and if there are places lifting up, tape in additional places so that the paper does not lift up.
- 6. Push roll holder downward, check that roll holder is not lifting up, and tap **OK**.

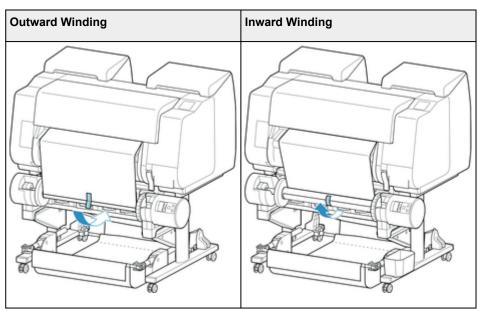


- If the roll holder lifts up, it may cause an error.
- 7. To stabilize operations when starting taking up, advance roll paper with operation panel and wind roll paper approximately one revolution. (See "Feeding Roll Paper Manually.")
- 8. Push roll holder downward again, and check that roll holder is not lifting up.

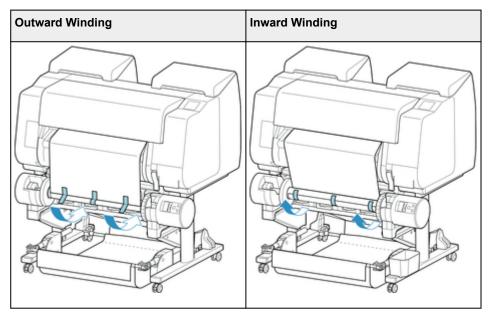
The winding preparation is complete. When printing to the roll starts, the roll paper can be automatically wound.

#### • If Ready to print. appears on touch screen

- 1. Manually advance roll paper (See "Feeding Roll Paper Manually.") or start printing, and wait for leading edge of roll paper to reach roll unit.
- 2. Hold center of leading edge of roll paper, align right edge of take-up spool paper core's right edge and tape center to paper core while pulling on roll paper evenly.

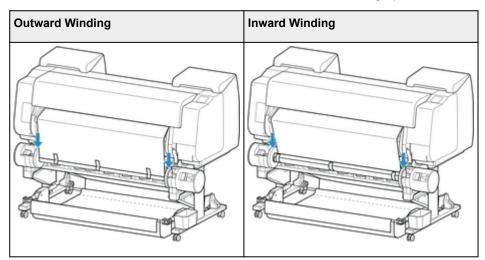


- If winding with inward winding, you must pass the leading edge of the roll paper to the back of the paper core and secure with tape. If this operation is difficult, you can also remove the roll holder, push the roll paper into the back, reinstall the roll holder, and pass the roll paper to the back of the paper core.
- 3. Align right edge of roll paper to right edge of paper core while pulling on roll paper evenly, and secure with tape.
- 4. While making sure that roll paper is flat, secure left edge of roll paper to paper core with tape.



#### >>>Important

- Secure the left and right edges of the roll paper with tape within 1.97 inches (50 mm) of the edges so that neither end of the roll paper lift up.
- When rewinding heavyweight paper, use strong adhesive tape to fasten it. Otherwise, a rewinding problem may result.
- If you use a paper core narrower than the paper to be wound, adjust the position of the holder stopper, so that there is a gap between the holder stopper and the paper.
- 5. Make sure the leading edge of the roll paper is not lifting up from the paper core, and if there are places lifting up, tape in additional places so that the paper does not lift up.
- 6. Push roll holder downward and check that roll holder is not lifting up.



- If the roll holder lifts up, it may cause an error.
- 7. Make sure **Inward/Outward Winding Changeover** switch on roll unit is in desired direction and press **Auto Take-up/Pause** button.

The **Pause** lamp, which has been lighted up to this point, turns off, and the **Auto Take-up** lamp lights up instead.

The winding preparation is complete. During printing, the winding starts. Before printing, the winding starts at the same time as the printing.

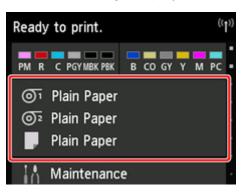
#### >>>Important

• When winding inwardly, loosening of the wound paper can be prevented by pressing the roll paper with the arm. However, doing so may produce pressure traces on the paper. In this case, tap the roll unit area of the media information display area and set **Paper retention setting** to **Release**.

# **Removing Printed Paper from the Roll Unit**

## >>>Note

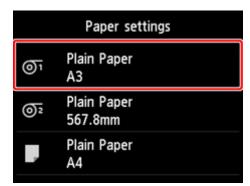
- By tapping the paper settings display area and then area when setting **Take-up mode** and setting **Wind up after cutting** to **Enable** in advance, you can omit steps 6 and 7 below, because when the paper is cut after printing, the next paper will be automatically taken up after that. However, be careful when using easily damaged roll paper because the roll paper touches the roller when paper is cut.
- 1. Tap paper settings display area on Home screen of touch screen.



## >>>>Important

• If the Home screen does not appear, tap the **Home** button.

# 2. Tap 🞯 area.



### 3. Tap Feed/cut.

4. Tap Advance or Rewind to advance roll paper a little.

With the winding direction set to outward winding, advance the length of one circumference of the roll or more to protect the print side.

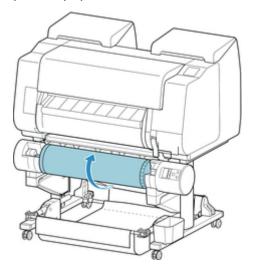
5. Tap Cut paper.

6. Hold printed paper between output guide and roll unit, then tap **Yes**.

The roll is now cut.

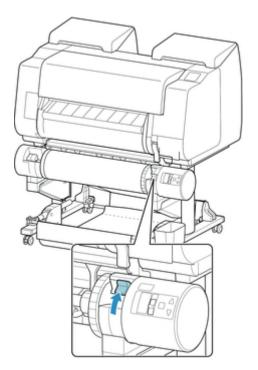
## >>>Important

- When cutting the roll paper, always hold the printed paper. If cut without holding the printed paper, the paper may fall to the floor and become soiled.
- 7. While holding trailing edge of printed paper, press **Take-up** or **Rewind** button to wind printed paper.

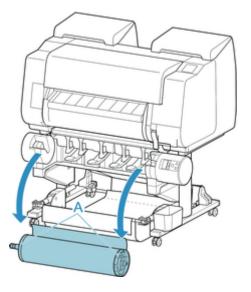


Apply adhesive tape to the rewound paper to hold it in place, if necessary.

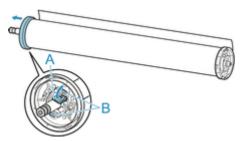
- Be careful not to scratch the printed surface.
- 8. Change **Roll Holder Lock** switch on roll unit to release side.



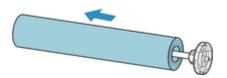
9. Hold roll holder by its flanges (A), and remove from roll unit.



10. Push holder stopper lever (A) toward shaft to release lock, and while holding in position (B), remove holder stopper from roll holder.



11. Remove printed material that has been taken up, from roll holder for each paper core.



# **Changing Settings from Operation Panel/Web Browser**

## Operations and Touch Screen

- Operation Panel
- Touch Screen
- Checking Instructions During Printer Operations

## Changing Settings from Operation Panel

- Printer Menu Operations
- Menu Operations
- Menu Structure
- Changing Settings from Operation Panel
- Setting Items on Operation Panel
- Status Print

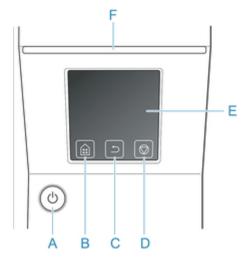
## > Changing Printer's Setting Using Web Browser

- Changing Settings Using Web Browser
- Changeable Setting Items Using Web Browser
- Setting Password
- Registering Printer's Root Certificate to Web Browser
- Setting Mail Server
- Receiving Printer Status by E-mail

# **Operations and Touch Screen**

- ➡ Operation Panel
- ➡ <u>Touch Screen</u>
- <u>Checking Instructions During Printer Operations</u>

# **Operation Panel**



#### A. ON button/ON lamp

Turns the printer on and off.

Turning the Printer On and Off

The **ON** lamp is lit when the printer is on or in Sleep mode.

#### B. Home button

The Home screen appears.

Touch Screen

C. Back button

Displays the screen before the current screen.

D. Stop button

Cancels print jobs in progress and ends the ink drying period.

E. touch screen

Shows printer menus, as well as the printer status and messages. You can select menu items and display buttons by gently touching the screen with your fingertip.

Touch Screen

#### F. Status lamp

• Flashing (white)

During printing, the Data lamp flashes when the printer is receiving or processing print jobs. Otherwise, this lamp flashes when the print job is paused or the printer is updating the firmware.

• Lit (orange)

A warning message is displayed.

- Flashing (orange) An error message is displayed.
- Off

There are no active print jobs, warnings, or errors.

# >>>Note

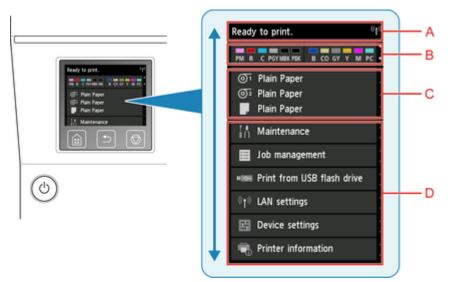
• When the printer is in Sleep mode, you can touch the touch screen to recover from Sleep mode.

# **Touch Screen**

After the printer starts up, the Home screen appears on the touch screen.

From the Home screen, you can check the printer status and select the maintenance, settings, and other menus. Flick the Home screen up and down, and select the display position.

Basic Touch Screen Operations



A. Printer Information Display Area

Displays the printer status, messages, and other information. Tap this item when a message appears to view the message on the list screen and to jump to the screen with detailed information and operations.

B. Ink Display Area

Displays the ink status. Tap this item to view the remaining amount of ink and how to replace the ink tanks.

C. Paper Setting Display Area

Displays the media information for each feeding location. Tap this item to configure the size and type of the paper loaded.

D. Other Menu Items

Displays the items used to perform maintenance and configure the various settings.

Printer Menu Operations

## **Basic Touch Screen Operations**

You can select various functions and settings by gently touching and swiping the touch screen with your fingertip.

### >>>Important

• Take the following precautions when operating the touch screen. Otherwise, the touch screen may malfunction or become damaged.

- Do not forcibly press the touch screen with your finger.
- Do not press the touch screen with an object other than your finger (such as a ballpoint pen, pencil, fingernail, or other object with a sharp tip).
- Do not operate the touch screen with wet or dirty hands.
- Do not place objects on top of the touch screen.
- Do not place a protective film over the touch screen. Removing it can damage the touch screen.

#### Тар

Gently touch with your fingertip and then release.

Use this when selecting an item on the screen.



#### Touch

Gently touch with your fingertip.

To go (or return) to a menu or list, touch the directional mark.



#### Flick

Drag and release your finger up, down, left, or right.

Use this to quickly scroll through a menu or list.



#### Drag

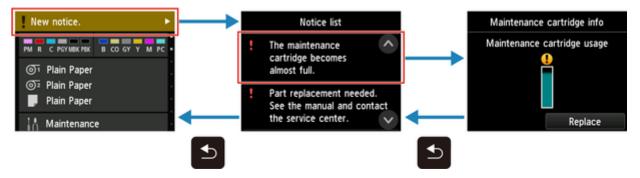
Move your finger up, down, left, or right while gently keeping it in contact with the touch screen.

Use this to move a menu or list while viewing it.



## **Notification Messages**

When the ink is low or there is another notification, **New notice.** appears in the printer information display area. Tap this to display the **Notice list** screen to view messages with the newest one appearing first. Tap a message to display the message details screen to view the details and take action.



# **Checking Instructions During Printer Operations**

You can refer to instructions on the touch screen when loading paper, replacing ink tanks, or performing other operations.

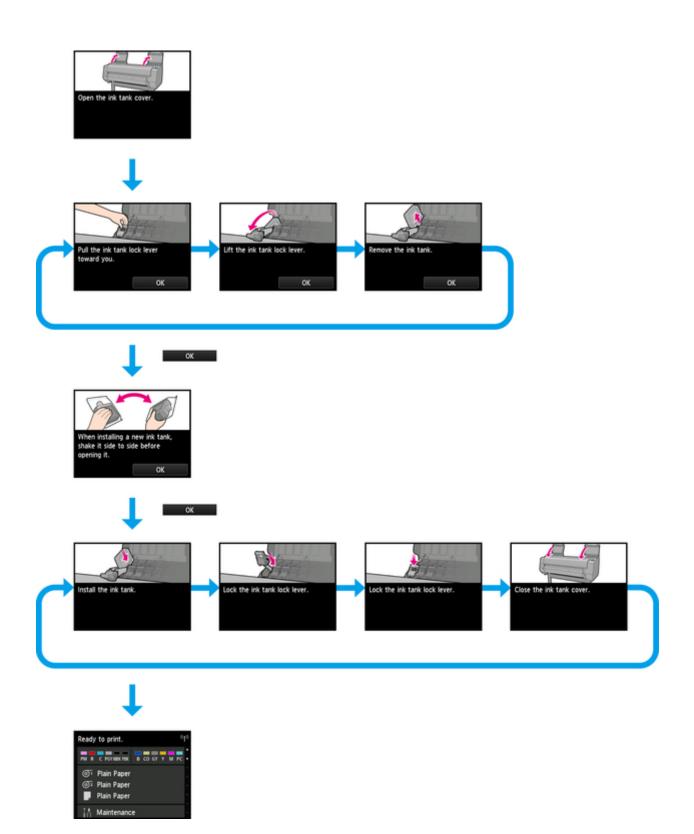
## How to view instructions

Once you complete an action described in the instructions, the printer detects the action and switches to the next instruction screen.

Operation screens are switched every 3 seconds, and the sequence of operations is shown repeatedly.

For actions the printer cannot detect, tap **OK** to display the instruction screen for the next step.

Example: Ink tank replacement



# **Changing Settings from Operation Panel**

- Printer Menu Operations
- Menu Operations
- Menu Structure
- > Changing Settings from Operation Panel
- ► Status Print

# **Printer Menu Operations**

The printer menu is classified into regular menu items available when no print job is in progress and menu during printing items only available while printing is in progress.

Flicking HOME screen and tapping the menu displays each setting item.

The menus below are available.

Ready to print.	\Re Ready to print.	🐙 Ready to print. Sement 👾
PM R C PGYMEK PSK B CO GY Y	M Pc 2 1 Maintenance	- 4 Print from USB flash drive
	🔲 Job management	ち 《小》 LAN settings
<ul> <li>Plain Paper</li> <li>Plain Paper</li> </ul>	Print from USB flash	drive 🗕 😝 Device settings 🗧
Maintenance	©1 <sup>®</sup> LAN settings	🕂 7 📑 Printer information

### 1. Printer status

Displays the printer status and LAN connection status.

2. Ink status

Displays the ink status.

3. Paper information

Perform paper settings. (grays-out while a print job is in progress)

## 4. Maintenance

Perform maintenance settings. (grays-out while a print job is in progress)

### 5. Job management

Perform job management settings.

# 6. Print from USB flash drive

Perform print settings when you print data on a USB flash drive.

### 7. LAN settings

Perform LAN settings. (grays-out while a print job is in progress)

### 8. Device settings

Perform various printer settings. (grays-out while a print job is in progress)

9. Printer information

Displays various printer information.

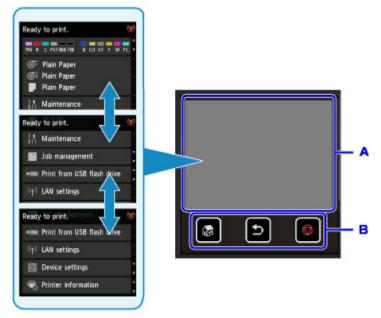
# Note

• By default, menu settings apply to all print jobs. However, for settings that are also available in the printer driver, the values specified in the printer driver take priority.

# **Menu Operations**

The operation panel features a touch screen (A) and buttons (B).

Touch icons on the touch screen's HOME screen to select menus.



- A. Touch screen
- B. Buttons on the operation panel

# **Basic Touch Screen Operations**

Tap the touch screen lightly or use other gestures to access various functions and settings.

# Important

- Note the following touch screen precautions to avoid malfunction or damage to the printer.
  - Do not press hard against the touch screen.
  - Do not press the touch screen with objects other than your finger, especially sharp objects, such as pens, pencils, or nails.
  - · Do not touch the touch screen if your hands are wet or dirty.
  - Do not place any objects on the touch screen.
- Do not apply a screen protector to the touch screen. Removing it may damage the touch screen.

• Tap

Touch lightly and briefly with your fingertip.

Tap to select an item on the screen, for example.



Touch

Touch with your fingertip, pressing lightly.

Keep touching the "next" (or "back") icon to move forward or back through menus or a list continuously, for example.



Flick

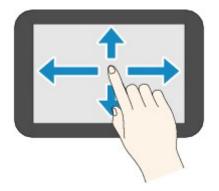
Flick up, down, left, or right on the screen with your finger.

Flick to move forward or back through menus or a list, for example.



• Drag

While lightly touching the screen, move your finger up, down, left, or right. Drag to move listed items or a list while viewing them, for example.

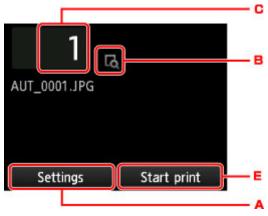


# **Example of Using Touch Screen**

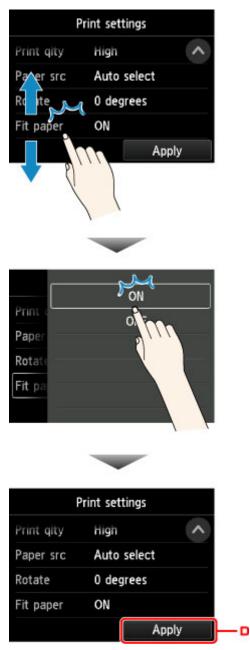
These touch screen operations are available when you print data on a USB flash drive.



Drag up or down, and then tap an item to select it.



Tapping A displays the print settings menu.



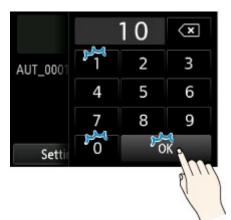
Drag up or down, and then tap an item to select it.

After the list is displayed, tap a setting to select it.

Tap D to confirm the settings.

Tap C to display the screen for selecting the number of copies.

Tap a number to specify the number of copies, and then tap **OK**.



Tap B to display the preview screen.



Touch the **Back** button to return to the previous screen.

# Menu Structure

The \* on the right side of an item indicates the default value.

Values may vary depending on your model and firmware version.

Ink information

Current estimated ink levels		
Replace		
Order ink now		

## Paper settings

Roll paper <sup>2</sup>	aper 1					
	Replace paper	Replace paper				
	Feed/cut	Feed/cut				
	Remove paper					
	Paper settings					
		Width/Length/Type/Advanced				
Roll paper 2	2					
	Replace paper	Replace paper				
	Feed/cut					
	Remove paper	Remove paper				
	Roll unit use se	Roll unit use setting				
	Paper settings	Paper settings				
		Width/Length/Type/Advanced				
Take-up mo	de					
	Roll unit use	Roll unit use setting				
	Auto feed to	Auto feed to take-up position				
	Skip errors	Skip errors during take-up				
		ON/OFF				
	Wind up afte	er cutting				
		Enable/Disable				

	Paper retention setting		
		Release/Retain	
	Use in take-up	mode	
		Use/Do not use	
Manual			
	Replace paper		
	Remove paper		
	Paper settings		
	Page size/Type/Advanced		

#### Maintenance

Print nozzle	check patterr	1			
Print head of	leaning				
	Cleaning				
	All colors/Pattern 1/Pattern 2/Pattern 3				
	Deep cleani	ng			
		All colors/Pattern 1/Pattern 2/Pattern 3			
	System clea	aning			
		All colors/Pattern 1/Pattern 2/Pattern 3			

# Print head alignment

Auto (standard)				
Roll paper 1/Roll paper 2/Manual				
Auto (fine)				
Roll paper 1/Roll paper 2/Manual				
Manual				
Roll paper 1/Roll paper 2/Manual				

# Paper feed adjustment

Set priority

	Roll paper 1				
	Auto*/Prioritize print quality/Prioritize length accuracy				
	Roll paper 2				
	Auto*/Prioritize print quality/Prioritize length accuracy				
	Manual				
	Auto*/Prioritize print quality/Prioritize length accuracy				
Adjust p	rint quality				
	Auto/Manual				
Adjust fe	ed length				
	Print alignment pattern				
	Roll paper 1/Roll paper 2/Manual				
	Change adjustment values				

Color cal	pration				
	Auto adjust				
	Roll paper 1/Roll paper 2/Manual				
	Enable/disable adjustment values				
	Enable/Disable				
	Adjustment information				
	Roll paper 1/Roll paper 2/Manual				
	Calibration guide setting				
	Enable/Disable				
	Reset adjustment values				

Π

Maintenance cartridge info		
	Maintenance cartridge usage	
	Replace	
Head replacement		
Replace cutter blade unit		
Platen cleaning		

Prepare to transportation		
	Move indoors on the same floor	
	Move indoors to a different floor	
	Transport outdoors	

# Job management

Print job							
	List of print jobs						
		De	Delete/Priority printing/Release hold				
Saved job							•
		Job box list	t				
			Job list				
			Delete/Start print				
				Print the job list	t		
Job history							
			Disp	lay job history			
	Print job history						
Pause printin	g						
					Eı	nable	
					Di	sable*	

## Print from USB flash drive

Folder/file list	
	Number of copies
	Preview
	Settings
	Start print

# LAN settings

Change LAN

	Activate wired LAN			
	Activate wireless LAN			
	Activate direct connect.			
	Disable LAN			
Wireless LAN setup				
Cableless se	Cableless setup			
Standard set	Standard setup			
WPS (Push b	WPS (Push button method)			
Other setup	Other setup			
	Advanced setup/WPS (PIN code method)			

# Device settings

Test print		
	Print nozzle check pattern	
	Status print	
	Status print (administrator)	
	Print LAN details	
	Print setting print	
	Print advanced paper settings	
	Print job history	
	Print menu map	

# Print settings

	Data width*/Maximum movable width/Paper width			
Prior	itize paper size			
	Enable/Disable*			
PDF	print settings			
	Print quality settings			
	Color mode			

			Monochrome/Color*	
		Matching met	thod	
		Perceptual (Photo)*/Saturation (Poster)		
		Print quality		
		Standard/High*/Highest		
		Input resolution		
		600 dpi*/300 dpi		
	Paper setting	tings		
		Paper src		
			Auto select*/Roll paper (auto)/Roll paper 1/Roll paper 2/Manual	
		Margin		
			3mm*/5mm	
		Rotate		
		0 degrees*/90 degrees		
		Fit paper		
			ON*/OFF	
	Display duri	luring process		
		Warning disp	lay	
			Enable/Disable*	
PEG pr	rint settings			
	Print quality	settings		
		Color mode		
			Monochrome/Color*	
		Matching method		
			Perceptual (Photo)*/Saturation (Poster)	
		Print quality	1	
			Standard/High*/Highest	
		Input resoluti	on	
			600 dpi*/300 dpi	

	Р	Paper settings			
			Paper src		
			Auto select*/Roll paper (auto)/Roll paper 1/Roll paper 2/N		
			Margin		
			3mm*/5mm		
			Rotate		
			0 degrees*/90 degrees		
			Fit paper		
			ON*/OFF		
F	Print from	USB flash se	settings		
	С	olor mode			
			Monochrome/Color*		
	Р	rint qlty			
			Standard/High*/Highest		
	P	aper src			
			Auto select*/Roll paper (auto)/Roll paper 1/Roll paper 2/Manual		
	R	lotate			
			0 degrees*/90 degrees		
	F	it paper			
			ON*/OFF		
F	Print settir	ng print			
_AN set	ttings				
	Change	LAN			

 Activate wired LAN

 Activate wireless LAN

 Activate direct connect.

 Disable LAN

 Wireless LAN setup

Cableless	Cableless setup					
Standard	Standard setup					
WPS (Pus	WPS (Push button method)					
Other set	Other setup					
4	Advanced setup/WPS (PIN code method)					
Confirm LAN setti	ngs					
LAN setti	ing list					
WLAN se	WLAN setting list					
Direct co	nnection set	ting list				
Print LAN	l details					
Other settings						
Set printe	er name					
TCP/IP se	TCP/IP settings					
	IPv4					
	IP address Auto setup*/Manual setup					
			*/Manual setup			
	DNS	S server				
		DNS serve	r setun			
			Auto setup/Manual setup			
		Dynamia u	pdate setting			
		Dynamic u	-			
			Active/Inactive*			
		Host name				
	Domain name					
	Proxy server					
	IPv6					
	Ena	ble/disable IPv6				
		Enable*/Dis	sable			
	IPse	ec settings				
		Active/Inac	tive*			

	U	Use DHCPv6			
			Use/Do no	t use*	
	N	Aanual add	dress		
			Use/Do no	t use*	
		ONS server	r		
			DNS serve	er setup	
				Auto setup/Manu	al setup
			Dynamic u	pdate setting	
				IPv6 DNS dyn. up	odate: manual
					Active/Inactive*
				IPv6 DNS dyn. ur	odate: stateless
					Active/Inactive*
				IPv6 DNS dyn. ur	odate: stateful
					Active/Inactive*
			IPv6 Use II	Pv4 host/domain n	ame
				Active/Inactive*	
			IPv6 DNS		
			IPv6 DNS (	domain name	
WSD	setting				
	Enable/dis	Enable/Disa			
	Optimize i				
		Enable*/Dis			
	Timeout s				
		-	/15 minutes	s*/10 minutes/5 mi	nutes/1 minute
Bonje	our settings				
		sable Bonj	jour		
		Enable*/Disable			
	Service na	Service name			

	Authentication					
	Do not use*/TLS/TTLS/PEAP					
	EAP-TTLS internal auth. method					
	MSCHAPv2*/PAP					
	Weak encryption restriction					
	Restrict*/Do not restrict					
	Weak certificate restriction					
	Restrict*/Do not restrict					
	Advanced setup					
	User-ID/Username/Password/Authentication server name					
	Last authentication result					
SNTP s	ettings					
	Client operation status					
	Active/Inactive*					
	NTP/SNTP server address					
	Polling interval					
Spannir	ng tree setting					
	Active/Inactive*					
LPR pro	btocol setting					
	Enable*/Disable					
RAW pr	otocol					
	ON*/OFF					
LLMNR	1					
	ON*/OFF					
Wireles	s LAN DRX setting					
	Enable*/Disable					

		Direct connection settings				
			Update SSID/password			
			Direct connection device name Connection request confirmation			
			Yes*/No			
		Reset SSL certificates				
	Reset LAN settings					
Paper-re	elated se	ttings				

Manage remaining roll amount

Enable/Disable\*

Roll paper auto switching

Identify size\*/Do not identify size

Keep media type

Enable/Disable\*

Detect paper setting mismatch

Pause/Display warning\*/Do not detect/Hold job

Paper retention setting

Release/Retain\*

Energy save mode paper rewind

Enable/Disable\*

Advanced paper settings

Paper size recognition settings

Cut sheet setting 1/Cut sheet setting 2/Roll paper setting 1/Roll paper setting 2

Adjust roll unit

Print advanced paper settings

Reset paper settings for all paper

#### Auto maintenance settings

Auto nozzle check

	Standard*/1 page/10 pages/Disable	
Nozzle check error o	lisplay	
	Enable/Disable*	
System cleaning fre	quency	
	Standard*/Short	
Print pattern after ne	Print pattern after new head	
	ON*/OFF	

Hard disk setti	ngs			
	Output method			
		Print*/Print (auto delete)/Save to job b	ox	
	Save first and print			
	ON/OFF*			
	Common job box			
	Data deletion			
		Fast/Fast secure/Secure		

Monitoring servic	e settings	
	Enable/disable monitoring	g service
		Enable/Disable*
	Communication test	
		Yes/No
	Communication log	

Device	Device user settings		
	Energy saving settings		
	Auto power off		
	5 minu		5 minutes/10 min./30 min./1 hour/4 hours/8 hours*/12 hours/OFF
	Sleep timer		
			5 minutes*/10 min./15 min./20 min./30 min./40 min./50 min./60 min.

Opera	Operation restrictions			
	Job history			
	Restrict/Do not restrict*			
	Remote UI			
	Restrict/Do not restrict*			
	Print from USB flash drive			
	Restrict/Do not restrict*			
Use U	SB connection			
	Use*/Do not use			
Date/t	ime setting			
Date o	display format			
	YYYY/MM/DD / MM/DD/YYYY / DD/MM/YYYY			
Time 2	one (GMT)			
	0/+1/+2/+3/+4/+5/+6/+7/+8/+9/+10/+11/+12/-12/-11/-10/-9/-8/-7/-6/-5/-4/-3/-2/-1			
Lengt	n unit setting			
	Meters*/Feet/inches			
Buzze	er setting			
	Enable*/Disable			
EOP t	OP timer setting			
	10 seconds/30 seconds/1 minute/2 minutes/5 minutes/10 minutes*/30 minutes/60 minutes			
Job hi	history sending setting			
	Send/Do not send*			
Language se	lection			
Firmware upo	date			
	Install update			
	Check current version			
	Update notification setting			
	Yes*/No			

	DNS	server setup		
			Auto setup*/Manual setup	
	Prox	y server setup		
			Use/Do not use*	
Administrator password setting				
Remote UI or other tools/LCD, Remote UI, or other tools				

# Printer information

System information		
Hard disk information		
Error history		
	Hardware error	
	Recoverable error	
Records of use		
Head information		
Head alignment performance log		
Values applied with auto settings		

# **Changing Settings from Operation Panel**

This section describes the procedure to change the settings in the **Device settings** screen, taking the steps to specify **Print head movable width setting** as an example.

1. Make sure printer is turned on.



- 2. Flick HOME screen and tap **Device settings**.
  - Menu Operations

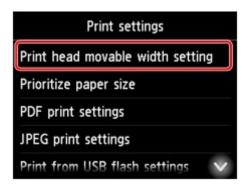
The **Device settings** screen appears.

3. Tap setting item to adjust.

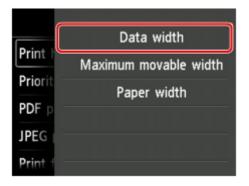
Device settings		
Test print		
Print settings		
LAN settings		
Paper-related settings		
Auto maintenance settings 🛛 🗸		

The setting screen for the selected item appears.

4. Tap setting item.



5. Tap setting to specify.



For more on setting items on the operation panel:

Setting Items on Operation Panel

# **Setting Items on Operation Panel**

# >>>> Note

• The administrator password is required to change some setting items if it is enabled for changing settings using the operation panel.

For more on setting items which the administrator password is required:

Setting Administrator Password on Operation Panel

# **Items for Security**

Administrator password setting

# **Items for Printer**

- Device user settings
- Hard disk settings
- Language selection
- Firmware update

# **Items for Paper/Printing**

- Paper-related settings
- Print settings

# Items for Maintenance/Management

- Job management
- Printer information
- Test print
- LAN settings
- Auto maintenance settings
- Monitoring service settings

# Job management

Select this setting item from HOME screen.

# • Print job

Displays the print job list. Tapping a job displays the details. You can also delete or preempt jobs on this menu.

Saved job

Displays the saved print job list. You can print job list on each saving box.



• Enter the password if it is enabled for a personal box using Remote UI.

Job history

# Important

• The administrator password is required to display the job history if it is enabled for changing settings using the operation panel.

## • Display job history

Displays the print job history. Tapping a print job displays the details.

• Print job history

Prints out the print job history.

### Pause printing

Selecting **Enable** while a print job is in progress pauses the print job after the current job is completed.

# Test print

Select this setting item from **Device settings**.

# Print nozzle check pattern

Prints out the nozzle check pattern.

Checking for Nozzle Clogging

Status print

Prints out the printer status and setting value information.

Status Print

# Print LAN details

Prints out the network information list.

Printing Network Settings

### Print setting print

Prints out the print settings list.

## Print advanced paper settings

Prints out the setting values specified by Advanced paper settings.

## Print job history

Prints out a record of print jobs, including the paper type and size, amount of ink consumed, and so on. Ink consumption indicates a rough estimate of the amount of ink consumed per print job.

Job management

### • Print menu map

Prints out the menu list.

# **Print settings**

Select this setting item from **Device settings**.

Print head movable width setting

Adjusts the print head movable width.

Prioritize paper size

This is a setting item for roll paper.

Select **Enable** to use the paper size setting as the basis for printing instead of other settings. The text or images in the margin are not printed.

Select **Disable** to give priority to printing text or images.

# Note

• The printed paper length is longer than the actual paper length. This is because the printed paper includes the upper/lower margins specified by **Roll Paper Safety Margin** and **Leading Edge Margin** in the printer driver and excludes the paper margins.

# PDF print settings

Performs PDF print settings.

JPEG print settings

Performs JPEG print settings.

Print from USB flash settings

Performs settings for printing data saved on the USB flash drive.

Setting Items for Printing Using Operation Panel

### Print setting print

Prints out the print settings list.

# LAN settings

Select this setting item from Device settings.

# >>>> Important

• The administrator password is required to change settings if it is enabled for changing settings using the operation panel.

# Change LAN

Enables either wireless LAN, wired LAN, or direct connection. You can also disable all.

### Wireless LAN setup

Selects the setup method for wireless LAN connection.

# >>>> Note

• You can also enter this setting menu by selecting LAN settings on the HOME screen. In this case, enable wireless LAN.

### · Cableless setup

Select if you specify the settings of the access point information to the printer directly from a device (e.g. smartphone, or tablet) without operating the wireless router. Follow the on-screen instructions of the connecting device for the setup procedure.

### Standard setup

Select when you perform settings for wireless LAN manually using the operation panel of the printer.

### • WPS (Push button method)

Select when you perform settings for wireless LAN using a wireless router supporting a Wi-Fi Protected Setup (WPS) push button method. Follow the on-screen instructions during setup.

### Other setup

### Advanced setup

Select when you perform settings for wireless LAN manually. You can specify multiple WEP keys.

### WPS (PIN code method)

Select when you perform settings for wireless LAN using a wireless router supporting a Wi-Fi Protected Setup (WPS) PIN code method. Follow the on-screen instructions during setup.

### Confirm LAN settings

The list of wireless/wired LAN settings or the direct connection of this printer is displayed on the touch screen.

For more information on the printer's network setting is printed out:

### Printing Network Settings

# >>>> Important

• The network settings printout contains important information about your network. Handle it with care.

# • LAN setting list

The list of wired LAN settings of this printer is displayed on the touch screen.

The following setting items are displayed. (Some setting items are not displayed depending on the printer settings.)

Items	Setting
Connection	Active/Inactive
IPv4 address	XXX. XXX. XXX. XXX (12 characters)
IPv4 subnet mask	XXX. XXX. XXX. XXX (12 characters)
IPv4 default gateway	XXX. XXX. XXX. XXX (12 characters)
IPv4 DNS dynamic setting	Active/Inactive
IPv4 DNS host name	XXXXXXXXXXX
IPv4 DNS domain name	XXXXXXXXXXX
IPv6 address	XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX (32 characters)
IPv6 default gateway	XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX (32 characters)
IPv6 subnet prefix length	XXX (up to 3 digits)
IPv6 link-local address	XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX (32 characters)
IPv6 link-local prefix length	XXX (up to 3 digits)
IPv6 manual address	XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX (32 characters)
IPv6 manual prefix length	XXX (up to 3 digits)
IPv6 stateless address 1	XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX (32 characters)
IPv6 stateless prefix length 1	XXX (up to 3 digits)
IPv6 stateless address 2	XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX (32 characters)
IPv6 stateless prefix length 2	XXX (up to 3 digits)
IPv6 stateless address 3	XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX (32 characters)
IPv6 stateless prefix length 3	XXX (up to 3 digits)

IPv6 stateless address 4	XXXX: XXXX: XXXX: XXXX:
	XXXX: XXXX: XXXX: XXXX (32 characters)
IPv6 stateless prefix length 4	XXX (up to 3 digits)
IPv6 default gateway 1	XXXX: XXXX: XXXX: XXXX:
	XXXX: XXXX: XXXX: XXXX (32 characters)
IPv6 default gateway 2	XXXX: XXXX: XXXX: XXXX:
	XXXX: XXXX: XXXX: XXXX (32 characters)
IPv6 default gateway 3	XXXX: XXXX: XXXX: XXXX:
	XXXX: XXXX: XXXX: XXXX (32 characters)
IPv6 default gateway 4	XXXX: XXXX: XXXX: XXXX:
	XXXX: XXXX: XXXX: XXXX (32 characters)
DHCPv6	Active/Inactive
DHCPv6 stateful address	XXXXXXXXXXX
DHCPv6 stateful prefix length	XXX (up to 3 digits)
IPv6 primary DNS server address	XXXXXXXXXXX
IPv6 secondary DNS server add.	XXXXXXXXXXX
IPv6 DNS dyn. update: manual	Active/Inactive
IPv6 DNS dyn. update: stateless	Active/Inactive
IPv6 DNS dyn. update: stateful	Active/Inactive
IPv6 Use IPv4 host/domain name	Active/Inactive
IPv6 DNS host name	XXXXXXXXXXX
IPv6 DNS domain name	XXXXXXXXXXX
MAC address	XX:XX:XX:XX:XX (12 characters)
IPsec settings	Enable (ESP)/Enable (ESP & AH)/Enable (AH)/Disable
Pre-shared key	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
Authentication	TLS/TTLS/PEAP/TTLS/PEAP/EAP-TTLS internal auth. method/ MSCHAPv2/PAP/Do not use
EAP-TTLS internal auth. method	MSCHAPv2/PAP
Weak encryption restriction	Restrict/Do not restrict
Weak certificate restriction	Restrict/Do not restrict
Authentication server name	XXXXXXXXXXX
Client operation status	XXXXXXXXXXX

NTP/SNTP server address	XXXXXXXXXXX
Polling interval	xxxxxxxxxxx
Spanning tree setting	xxxxxxxxxxx
Printer name	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
Bonjour service name	XXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXX
Root cert. thumbprint (SHA-1)	xxxxxxxx xxxxxxx xxxxxxxx xxxxxxxx xxxxxx
Root cert. thumbprint (SHA-256)	xxxxxxxx xxxxxxx xxxxxxx xxxxxxx xxxxxx

("XX" represents alphanumeric characters.)

# • WLAN setting list

The list of wireless LAN settings of this printer is displayed on the touch screen.

The following setting items are displayed. (Some setting items are not displayed depending on the printer settings.)

Items	Setting
Connection	Active/Inactive
SSID	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
Communication mode	Infrastructure
Channel	XX (up to 2 digits)
Wireless LAN security	Inactive/WEP(64bit)/WEP(128bit)/WPA-PSK(TKIP)/WPA-PSK(AES)/ WPA2-PSK(TKIP)/WPA2-PSK(AES)
IPv4 address	XXX. XXX. XXX. XXX (12 characters)
IPv4 subnet mask	XXX. XXX. XXX. XXX (12 characters)
IPv4 default gateway	XXX. XXX. XXX. XXX (12 characters)
IPv4 DNS dynamic setting	Active/Inactive
IPv4 DNS host name	XXXXXXXXXXX
IPv4 DNS domain name	XXXXXXXXXXX
IPv6 address	XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX (32 characters)

IPv6 default gateway	XXXX: XXXX: XXXX: XXXX:
	XXXX: XXXX: XXXX: XXXX (32 characters)
IPv6 subnet prefix length	XXX (up to 3 digits)
IPv6 link-local address	XXXX: XXXX: XXXX: XXXX:
	XXXX: XXXX: XXXX: XXXX (32 characters)
IPv6 link-local prefix length	XXX (up to 3 digits)
IPv6 manual address	XXXX: XXXX: XXXX: XXXX:
	XXXX: XXXX: XXXX: XXXX (32 characters)
IPv6 manual prefix length	XXX (up to 3 digits)
IPv6 stateless address 1	XXXX: XXXX: XXXX: XXXX:
	XXXX: XXXX: XXXX: XXXX (32 characters)
IPv6 stateless prefix length 1	XXX (up to 3 digits)
IPv6 stateless address 2	XXXX: XXXX: XXXX: XXXX:
	XXXX: XXXX: XXXX: XXXX (32 characters)
IPv6 stateless prefix length 2	XXX (up to 3 digits)
IPv6 stateless address 3	XXXX: XXXX: XXXX: XXXX:
	XXXX: XXXX: XXXX: XXXX (32 characters)
IBv6 stateless profix length 2	XXX (up to 2 digita)
IPv6 stateless prefix length 3	XXX (up to 3 digits)
IPv6 stateless address 4	XXXX: XXXX: XXXX: XXXX:
	XXXX: XXXX: XXXX: XXXX (32 characters)
IPv6 stateless prefix length 4	XXX (up to 3 digits)
IPv6 default gateway 1	XXXX: XXXX: XXXX: XXXX:
	XXXX: XXXX: XXXX: XXXX (32 characters)
IPv6 default gateway 2	XXXX: XXXX: XXXX: XXXX:
IF vo uelauli yaleway 2	XXXX: XXXX: XXXX: XXXX (32 characters)
IPv6 default gateway 3	XXXX: XXXX: XXXX: XXXX:
	XXXX: XXXX: XXXX: XXXX (32 characters)
IPv6 default gateway 4	XXXX: XXXX: XXXX: XXXX:
	XXXX: XXXX: XXXX: XXXX (32 characters)
DHCPv6	Active/Inactive
DHCPv6 stateful address	XXXXXXXXXXX
DHCPv6 stateful prefix length	XXX (up to 3 digits)
IPv6 primary DNS server address	XXXXXXXXXXX
IPv6 secondary DNS server add.	XXXXXXXXXXX
L	<u> </u>

IPv6 DNS dyn. update: manual	Active/Inactive
IPv6 DNS dyn. update: stateless	Active/Inactive
IPv6 DNS dyn. update: stateful	Active/Inactive
IPv6 Use IPv4 host/domain name	Active/Inactive
IPv6 DNS host name	xxxxxxxxxxx
IPv6 DNS domain name	XXXXXXXXXXX
MAC address	XX:XX:XX:XX:XX (12 characters)
IPsec settings	Enable (ESP)/Enable (ESP & AH)/Enable (AH)/Disable
Pre-shared key	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
Client operation status	XXXXXXXXXXX
NTP/SNTP server address	XXXXXXXXXXX
Polling interval	XXXXXXXXXXX
Printer name	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
Bonjour service name	xxxxxxxxxxxx
	XXXXXXXXXXXXX
	xxxxxxxxxxxx
	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
Root cert. thumbprint (SHA-1)	xxxxxxx xxxxxxx xxxxxxx
	XXXXXXXX XXXXXXXX
Root cert. thumbprint (SHA-256)	XXXXXXXX XXXXXXXX XXXXXXXX XXXXXXXX
	XXXXXXXX XXXXXXXX XXXXXXXX XXXXXXXX
·	

("XX" represents alphanumeric characters.)

# • Direct connection setting list

The list of direct connection settings of this printer is displayed on the touch screen.

The following setting items are displayed. (Some setting items are not displayed depending on the printer settings.)

Items	Setting
Connection	Active/Inactive
SSID	DIRECT-XXXX-XXXXXSeries
Password	XXXXXXXXXX (10 characters)
Communication mode	Direct connection
Channel	3

Wireless LAN security	WPA2-PSK(AES)
IPv4 address	XXX. XXX. XXX. XXX (12 characters)
IPv4 subnet mask	XXX. XXX. XXX. XXX (12 characters)
IPv4 default gateway	XXX. XXX. XXX. XXX (12 characters)
IPv4 DNS dynamic setting	Active/Inactive
IPv4 DNS host name	XXXXXXXXXXX
IPv4 DNS domain name	XXXXXXXXXXX
IPv6 address	XXXX: XXXX: XXXX: XXXX:
	XXXX: XXXX: XXXX: XXXX (32 characters)
IPv6 default gateway	XXXX: XXXX: XXXX: XXXX:
	XXXX: XXXX: XXXX: XXXX (32 characters)
IPv6 subnet prefix length	XXX (up to 3 digits)
IPv6 link-local address	XXXX: XXXX: XXXX: XXXX:
	XXXX: XXXX: XXXX: XXXX (32 characters)
IPv6 link-local prefix length	XXX (up to 3 digits)
MAC address	XX:XX:XX:XX:XX (12 characters)
IPsec settings	Enable (ESP)/Enable (ESP & AH)/Enable (AH)/Disable
Pre-shared key	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
Printer name	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
Bonjour service name	XXXXXXXXXXXXX
	XXXXXXXXXXXX
	XXXXXXXXXXXX
	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
Direct connection device name	XXXXXX-XXXXXSeries
Root cert. thumbprint (SHA-1)	XXXXXXXX XXXXXXXX XXXXXXXX
	XXXXXXXX XXXXXXXX
Root cert. thumbprint (SHA-256)	XXXXXXXX XXXXXXXX XXXXXXXX XXXXXXXX
	XXXXXXXX XXXXXXXX XXXXXXXX XXXXXXXX

("XX" represents alphanumeric characters.)

# Other settings

# >>>> Important

• You cannot select the items below when **Disable LAN** is selected for **Change LAN**.

• Set printer name

Specifies the printer name. You can use up to 15 characters for the name.

## Note Note

- You cannot use the same printer name as that already used for other LAN connected devices.
- You cannot use a hyphen for the initial or last character of the printer name.

### • TCP/IP settings

Performs IPv4 or IPv6 setting.

#### • WSD setting

Setting items when you use WSD (one of the network protocols supported in Windows 10, Windows 8.1, Windows 8, Windows 7, and Windows Vista).

#### Enable/disable WSD

Selects whether WSD is enabled or disabled.

## >>>> Note

• When this setting is enabled, the printer icon is displayed on the Network Explorer in Windows 10, Windows 8.1, Windows 8, Windows 7, and Windows Vista.

### Optimize inbound WSD

Selecting Enable allows you to receive the WSD printing data faster.

#### Timeout setting

Specifies the timeout length.

#### Bonjour settings

Setting items when you use Bonjour.

### Enable/disable Bonjour

Selecting Enable allows you to use Bonjour to perform the network settings.

### Service name

Specifies the Bonjour service name. You can use up to 48 characters for the name.

### Note

• You cannot use the same service name as that already used for other LAN connected devices.

### IEEE802.1X settings

Performs various settings for IEEE802.1.X.

#### SNTP settings

Performs various settings for SNTP (Simple Network Time Protocol).

#### • Spanning tree setting

Enables/Disables spanning tree. Selecting Enable avoids circulating data on a network.

### LPR protocol setting

Enables/Disables the LPR setting.

## • RAW protocol

Enables/Disables RAW printing.

# • LLMNR

Enables/Disables LLMNR (Link-Local Multicast Name Resolution). Selecting **Active** allows the printer to detect printer's IP address from the printer name without a DNS server.

# Wireless LAN DRX setting

Selecting Enable allows you to activate discontinuous reception when using wireless LAN.

# Wired LAN DRX setting

Selecting **Enable** allows you to activate discontinuous reception when the printer is connected to a device compatible with wired LAN.

## Direct connection settings

Setting items are available when you connect a device to the printer.

# Important

• You can select these setting items only when **Activate direct connect.** is selected for **Change** LAN.

## Update SSID/password

Selecting **Yes** updates the identifier (SSID) and password for direct connection.

## • Direct connection device name

Changes the printer's name displayed on a Wi-Fi Direct compatible device.

### Connection request confirmation

Selecting **Yes** displays the confirmation screen when a Wi-Fi Direct compatible device is connecting the printer.

Connecting Smartphone/Tablet to Printer Directly via Wireless LAN (Direct Connection)

# Reset LAN settings

Initializes the network settings on the printer.

After resetting, perform setup again as necessary.

# **Device user settings**

Select this setting item from Device settings.

## >>>> Important

• The administrator password is required to change settings if it is enabled for changing settings using the operation panel.

### Energy saving settings

To save electricity, enable this setting to turn off the printer automatically or to enter sleep mode when specified length of time has elapsed.

#### • Auto power off

Sets the time until the printer turns off automatically. If no operations are performed on the printer for the specified duration of the time after entering Sleep mode, the printer automatically turns off.

#### • Sleep timer

Specifies the length of time to enter sleep mode automatically when no operation is made.

#### Operation restrictions

Restricts the following operations.

• Job history

Restricts to display the print job history.

• Remote UI

Restricts to use Remote UI.

• Print from USB flash drive

Restricts to print data on USB flash drive.

#### Use USB connection

Enables/Disables USB connection.

#### Date/time setting

Sets the current date and time.

#### Date display format

Sets the format of dates displayed on the touch screen and printed on photos.

#### • Time zone (GMT)

Specifies the time zone according to a country or region you live in.

Specifying the time zone allows you to display the correct time and date an e-mail was sent on your mail software.

Select the time difference from GMT (Greenwich mean time) according to a country or region you live in.

## Length unit setting

Selects the length unit (meter or feet/inch).

#### Buzzer setting

The printer beeps once for warnings, and 3 times for errors when **Enable** is selected.

## • EOP timer setting

Specify the timeout period before cancellation of print jobs that cannot be received by the printer.

## Job history sending setting

The printer sends a job history when **Send** is selected.

# Language selection

Select this setting item from **Device settings**.

# >>>> Important

• The administrator password is required to change settings if it is enabled for changing settings using the operation panel.

Changes the language for the messages and menus on the touch screen.

# Paper-related settings

Select this setting item from Device settings.

#### Manage remaining roll amount

Select **ON** to print a barcode at the end of a roll before you remove it. The printed barcode can be used in managing the amount of roll paper left. Select **OFF** if you prefer not to print the barcode.

#### Roll paper auto switching

Enables/Disables switching roll paper feed position by detecting the paper size.

#### Keep media type

Select Enable to keep using the same type of paper.

#### Detect paper setting mismatch

Selects printer action when you start printing with the paper size, the media type, and print settings different from those registered.

#### Paper retention setting

Selects whether to contact the roll nip with the rolls in feeding paper.

If you select **Release**, the roll nip does not contact with the rolls and you can feed paper manually. If you select **Retain**, the roll nip contacts with the rolls and automatic feeding is enabled. Selecting **Release** does not allow you to switch the paper source of rolls (upper or lower) automatically.

#### Energy save mode paper rewind

Enables/disables rewind of the roll paper which is being fed while the printer is in energy saving mode.

Selecting **Enable** rewinds the roll paper instead of retaining it by the Paper Retainer while the printer is in energy saving mode.

Selecting **Disable** keeps the roll paper retained by the Paper Retainer even while the printer is in energy saving mode.

In addition, this setting is valid even when you turn the printer off.

## >>>> Important

• Energy save mode paper rewind is only available with firmware version 2.0.0 or later.

Please update your firmware if using an earlier version. Check the current version of the printer from **System information** under **Printer information**.

#### Advanced paper settings

Specifies advanced paper settings for each paper feed position.

## >>>> Important

• You can select **Extension for borderless printing** as a setting item for some paper types.

If you select **Small** for **Paper with adequate width** on this setting item, a slight border remains on the paper. In addition, the paper may be smudged with extra ink.

#### Paper size recognition settings

Selects which size is preferred when paper size detection is enabled.

### Cut sheet setting 1

Select whether ISO A3+ or 13"x19"(Super B) is applied when a sheet of an intermediate size is detected.

## Cut sheet setting 2

Select whether ISO B1 or 28"x40" (ANSI F) is applied when a sheet of an intermediate size is detected.

## Roll paper setting 1

Select whether B4 or 10 inch is applied when a sheet of an intermediate size is detected.

#### • Roll paper setting 2

Select whether A3 or 300 mm is applied when a sheet of an intermediate size is detected.

#### Adjust roll unit

Select this setting item when you replace the roll unit.

#### Print advanced paper settings

Tapping Yes prints out each setting specified in Advanced paper settings.

#### Reset paper settings for all paper

Tapping Yes initializes each setting specified in Advanced paper settings.

Entering the administrator password is required if it is enabled.

## >>>> Important

• When you set the paper settings back to the factory default, added or updated paper information using Media Configuration Tool is erased.

In addition, the color calibration values are also erased.

Perform color calibration to specify the color calibration values.

# Auto maintenance settings

Select this setting item from **Device settings**.

# Important

• The administrator password is required to change settings if it is enabled for changing settings using the operation panel.

## Auto nozzle check

Enables/Disables automatic nozzle checking. You can also select the page interval to perform automatic nozzle checking.

#### Nozzle check error display

Enables/Disables displaying the nozzle check error.

#### System cleaning frequency

Specifies the frequency of automatic system cleaning.

## >>>> Note

• To maintain print quality, we recommend you select **Short** if you use the printer at a higher place.

#### Print pattern after new head

Selects whether you print an adjustment pattern after replacing the print head.

# Administrator password setting

Select this setting item from **Device settings**.

# >>>> Important

• The administrator password is required to change settings if it is enabled for changing settings using the operation panel.

You can specify or disable the administrator password.

If you specify the administrator password, select the range and specify the administrator password.

#### Remote UI or other tools

Entering the administrator password is required to change the setting items using Remote UI or some software.

#### LCD, Remote UI, or other tools

Entering the administrator password is required to change the setting items using the operation panel of the printer, Remote UI, or some software.

For details:

Setting Administrator Password on Operation Panel

# **Setting Administrator Password on Operation Panel**

You can specify or disable the administrator password.

Specifying the administrator password requires you to enter the password to use the items or change the settings below.

- LAN settings
- Device user settings
- Language selection
- Auto maintenance settings
- Hard disk settings
- Administrator password setting
- Status print (administrator)
- Monitoring service settings
- Firmware update

Follow the procedure below to specify the administrator password.

- 1. <u>Make sure printer is turned on.</u>
- 2. Flick HOME screen and tap **Device settings**.
  - Menu Operations

The Device settings screen appears.

- 3. Tap Administrator password setting.
- 4. When confirmation screen to specify administrator password is displayed, tap Yes.

If an administrator password is not specified, the register confirmation message appears. Tapping **Yes** displays the message again. Tap **OK**.

## >>>> Important

• The administrator password is set at the time of purchase. The printer's serial number is used as the password.

For the administrator password, refer to Administrator Password.

#### 5. Tap Change administrator password.

If you do not specify an administrator password, tap **Remove administrator password**. Tapping **Yes** displays the message again. Tap **OK**.

6. Tap range where administrator password is valid.

#### Remote UI or other tools

Entering the administrator password is required to change the setting items using Remote UI or some software.

#### LCD, Remote UI, or other tools

Entering the administrator password is required to change the setting items using the operation panel of the printer, Remote UI, or some software.

## 7. Enter administrator password.

## Important

- The following character restrictions apply to the password:
  - Set the password by using 4 to 32 characters.
  - The allowed characters are single-byte alphanumeric characters.
  - For security reasons, we recommend you use 6 and more alphanumeric characters.

## 8. Tap Apply.

9. Enter administrator password you specified again.

## 10. Tap Apply.

The administrator password is enabled.

# When You Want to Change or Disable the Administrator Password:

When the administrator password is enabled, tapping **Device settings** and **Administrator password setting** in this order and entering the administrator password displays **Change administrator password** and **Remove administrator password** on the touch screen. Select either item and follow the on-screen instructions to perform settings.

# Hard disk settings

Select this setting item from Device settings.

# Important

• The administrator password is required to change settings if it is enabled for changing settings using the operation panel.

## Output method

Selects the printing method for jobs received from software other than the printer driver. When using the printer driver, configure settings on the printer.

• Print

Performs printing as usual.

• Print (auto delete)

Deletes the data from the printer's hard disk after printing is completed.

• Save to job box

Only saves the print job in the box without printing it.

Save first and print

A setting for jobs received from software other than the printer driver. When using the printer driver, configure settings on the printer. Select **ON** to print the job after it has been saved.

#### Common job box setting

Select Print (auto delete) to print without saving jobs in the box shared among multiple users.

#### Data deletion

Selects the method to delete data on printer's hard disk.

Erasing Data on Printer's Hard Disk

# Monitoring service settings

Select this setting item from **Device settings**.

# >>>> Important

• The administrator password is required to change settings if it is enabled for changing settings using the operation panel.

#### Enable/disable monitoring service

Selecting Active allows the printer to send error details to the service center.

#### Communication test

Performs a communication test with the service center.

#### Communication log

Displays the list of error numbers (up to 30), error code, and time the error occurs. Tapping an item displays the error details.

# **Printer information**

Select this setting item from HOME screen.

## System information

Displays printer's system information.

Hard disk information

Displays the total hard disk capacity and the mail box free space.

### Error history

Displays the error history.

• Hardware error

Displays the hardware error codes (up to 5).

#### • Recoverable error

Displays the recoverable error (e.g. paper or ink related error) codes (up to 5).

For more on the error code, refer to List of Support Code for Error.

#### Records of use

Displays the printer's record of use such as total print area or the amount of ink consumption.

#### Head information

Displays the print head serial number, elapsed days since the current print head was installed, and dot count.

## Head alignment performance log

Displays the print head alignment performance log (up to 5).

## Values applied with auto settings

Displays the print settings applied the last print job.

# **Status Print**

You can print a "Status Print" report indicating the current status of the printer.

With "Status Print", information is printed regarding the printer firmware version, various settings, and the status of consumables.

Follow the procedure below to print.

- 1. Make sure printer is turned on.
- 2. Flick HOME screen and tap **Device settings**.

Menu Operations

- 3. Tap Test print.
- 4. Tap Status print.

## Note

• If you specify the administrator password, tap Status print (administrator).

The printer starts printing.

The following information is included.

Canon xxxxxxxxxxxxxx Status Print		Printer model			
S/N			Printer serial number		
Firm			Firmware version		
Boot			Boot ROM version		
Date			When the status print report was printed		
Paper Info		Prints inforn tion.	rmation on the loaded paper for each paper feed posi-		
Job Menu					
	Job History				
			Log *	Information history about each job (Job name is printed as "*".)	

\* Printed only when you select Status print (administrator).

Settings

Printer Settings		
	Print Settings	Setting value of <b>Print head mov-</b> able width setting/Prioritize pa- per size
	Paper-related settings	Setting value of <b>Prioritize paper</b> size
Device settings		
	Auto mainte- nance settings	Each setting value of <b>Auto main-</b> tenance settings
	Hard disk set- tings	Each setting value of <b>Hard disk</b> settings
	Device user set- tings	Each setting value of <b>Device</b> user settings
	Language se- lection	Each setting value of Language selection
	Roll unit use setting *2	Each setting value of <b>Roll unit</b> use setting

\*2 Printed only when you select **ON**.

Maintenance

Color calibration

Usage Condition

Hard disk information	Hard disk capacity and Job box free space	
Hardware error	History information of Hardware error	
Error	History information of <b>Recoverable error</b>	
Warning	History information of warning	
Maintenance cartridge us- age / Remaining ink level	Information of <b>Ink consumed</b>	
Duty counter	Information of <b>Duty counter</b>	

Setting value of Color calibration

Prints out the parts status.

## PARTS STATUS

COUNTER

Head information

	HEAD LOT NUMBER/ DATE OF STALLATION Head alignment performance log	IN- Print head lot number			
COUNTER					
	Media	Use of each specified media			
	THE NUMBER OF CUTS	Total number of cuts			
	AFTER INSTALLATION	Days of use			

# **Changing Printer's Setting Using Web Browser**

- Changing Settings Using Web Browser
- > Changeable Setting Items Using Web Browser
- Setting Password
- Setting Mail Server
- Receiving Printer Status by E-mail

# **Changing Settings Using Web Browser**

You can check the printer status and change the printer settings using the web browser on your smartphone, tablet, or computer.

To check the printer status and to change the printer settings, display "Remote UI" on the web browser.



• Remote UI is a software that enables you to perform operations, which are usually performed on the printer's operation panel, using a Web browser over a network.

LAN connection with the printer is required to use Remote UI.

- You can use Remote UI on the following OS and the web browser.
  - iOS device
    - OS: iOS 7.0 or later

Web browser: iOS standard Web browser (Mobile Safari)

- Android device
  - OS: Android 4.0 or later

Web browser: Android standard Web browser (Browser or Chrome)

Mac OS device

OS: Mac OS X v.10.6 or later

Web browser: Safari 5.1 or later

· Windows device

OS: Windows Vista SP2 or later

Web browser: Internet Explorer 9 or later, Google Chrome 41.0.2272.118m or later, Mozilla Firefox 37.0.1 or later

- 1. <u>Make sure printer is turned on.</u>
- 2. Check printer's IP address.

Check the printer's IP address by following the steps below.

1. Flick HOME screen and tap **Device settings**.

Menu Operations

The menu screen appears.

- 2. Tap LAN settings.
- 3. Tap Confirm LAN settings.
- 4. Tap LAN setting list or WLAN setting list.
- 5. Tap **Yes**.
- 6. Check IPv4 address.

3. Open web browser on your smartphone, tablet, or computer and enter IP address.

Enter as following in the URL field of the web browser.

http://XXX.XX.X.XXX

Enter the IP address in "XXX.XX.X.XXX".

When you access, "Remote UI" will be displayed on the web browser on your smartphone, tablet, or computer.

4. If you display Remote UI for the first time on your smartphone, tablet, or computer, select **For secure communication**.

Download the root certificate, and then register it.

Registering Printer's Root Certificate to Web Browser

#### Note

- Once you register the root certificate to the web browser on your smartphone, tablet, or computer, this step is not necessary after the next time.
- If the root certificate is not registered, a message to warn you that the secure connection is not guaranteed may appear.

#### 5. Select Log on.

The password authentication screen appears.

#### Note

 When the standard user mode is enabled, choose either administrator mode or standard user mode to log on.

After choosing a mode and selecting **Log on**, the password authentication screen of each mode appears.

6. Enter password.

When the password authentication is complete, the menus that can be utilized are displayed on the web browser.



• The password is set at the time of purchase. The password is the printer serial number. The printer serial number is printed on the sticker attached on the printer. It consists of 9 alphanumeric characters (four alphabets followed by five numbers).

For details on setting password, see Setting Password.

7. Check printer status and change printer settings.

For changeable setting items, see below.

M Changeable Setting Items Using Web Browser

- 8. When you finish checking printer status and changing printer settings, select Log off.
- 9. Close web browser.

# **Changeable Setting Items Using Web Browser**

## >>>> Note

- The items described here and the items displayed in the web browser may differ in display order.
- The item which can be used is different in administrator mode or in standard user mode.

# **Items for Security**

#### Security (Item for administrator)

This function allows you to specify the password, the standard user mode settings, and SSL/TLS settings of certificate for encrypted communication.

This function allows you to specify the password, the standard user mode settings, the operation restrictions, and SSL/TLS settings of certificate for encrypted communication.

For details on setting password, see <u>Setting Password</u>.

# Items for Maintenance/Management

#### Utilities

This function allows you to set and execute the printer utility functions such as cleaning.

#### Job management

This function allows you to display the job history and print it.

## >>>> Note

• When you are logging on in administrator mode, you can restrict this function in standard user mode.

## System info and LAN settings

This function allows you to check the system information and to change the LAN settings.

Using **IP filtering** in **Other settings** in **LAN settings**, you can permit or refuse the connection of a specific IP address for IPv4 address or IPv6 address.

Using **SNMP settings** in **Other settings** in **LAN settings**, you can specify the SNMP and MIB setting to management the printer via a network.

## Important

If you have refused the IP address of administrator's device using IP filtering by mistake, reset LAN settings of the printer. To reset LAN settings, select System info and LAN settings > LAN settings
 > Other settings > Reset LAN settings, and then select Yes.

## Note Note

• Some of the menu is available only when you logged on in administrator mode.

#### Language selection

This function allows you to change the language on the display.

# **Items for Printer**

### **Device settings**

This function allows you to change the printer settings such as the energy saving settings and the print settings.

Additionally, this function allows you to receive the printer status information such as the remaining ink level and the error.

Setting Mail Server

Receiving Printer Status by E-mail

### Note

• Some of the menu is available only when you logged on in administrator mode.

#### AirPrint settings

This function allows you to specify the AirPrint settings, such as position information.

# **Other Items**

#### **Printer status**

This function displays printer information such as the remaining ink amount, the status, and detailed error information.

You can also connect to the ink purchase site or support page, and use Web Services.

#### Manual (Online)

This function displays the Online Manual.

# **Setting Password**

Each of passwords for administrator and standard user can be set.

When logging on with password for administrator, all settings can be changed.

When logging on with password for standard user, some of the settings can be changed.

When logging on with password for administrator, you can restrict the function for standard user.

- Setting Administrator Password
- Setting Standard User Password

### >>>> Note

· Password can be set only when you are logged in administrator mode.

## **Setting Administrator Password**

Change the administrator password by following the steps below.

## >>>> Important

• The password is set at the time of purchase. The password is the printer serial number. The printer serial number is printed on the sticker attached on the printer. It consists of 9 alphanumeric characters (four alphabets followed by five numbers).

#### 1. Display printer status on web browser.

2. Select Security.

The menus appear.

- 3. Select Administrator password setting.
- 4. Select Change administrator password.

If the administrator password is not set, registration confirming message is displayed. Select **Yes**. When message is displayed again, select **OK**.

5. Select range where administrator password is valid and select **OK**.

#### Remote UI or other tools

Entering the administrator password is required to change the setting items using the Remote UI or some software.

#### **Operation panel/Remote UI/other tools**

Entering the administrator password is required to change the setting items using the operation panel of the printer, the Remote UI, or some software.

6. Enter password and select OK.

## Important

• The following character restrictions apply to the password:

- Set the password by using 4 to 32 characters.
- The allowed characters are single-byte alphanumeric characters.
- For security reasons, we recommend you use 6 and more alphanumeric characters.
- 7. When completion message appears, select **OK**.

## **Setting Standard User Password**

For restricting the function for standard user, enable the standard user mode and set a standard user password by following the steps below.

- 1. Display printer status on web browser.
- 2. Select Security.

The menus appear.

- 3. Select Standard user mode settings.
- 4. When confirming message appears, select **Yes**.
- 5. Enter password and select **OK**.



- The following character restrictions apply to the password:
  - Set the password by using 4 to 32 characters.
  - The allowed characters are single-byte alphanumeric characters.
  - For security reasons, we recommend you use 6 and more alphanumeric characters.
- 6. When completion message appears, select OK.

# **Registering Printer's Root Certificate to Web Browser**

If the printer's root certificate has not been registered to the web browser, a message to warn you that the secure connection is not guaranteed may appear.

When you display Remote UI for the first time on your smartphone, tablet, or computer, download the root certificate, and then register it to the web browser. The secure connection will be confirmed and a message will not appear. However, the message may appear depending on a web browser even after you have registered the root certificate.

How to register the root certificate varies depending on the web browser.

- For Internet Explorer
- For Safari
- For Chrome on Android
- For Mobile Safari on iOS

For other web browser, refer to each help.

## >>>> Important

• Make sure that you have accessed to the printer IP address correctly by checking the URL field of the web browser before registering the root certificate.

# For Internet Explorer

1. Select Download on Remote UI.

Downloading the root certificate is started.

2. If confirmation screen appears, select Open.

The Certificate screen appears.

## Note Note

- To save the certificate file to your device and register it, select **Save**. Select **Internet options** from **Tool** menu of Internet Explorer, register the root certificate from **Certificates** on **Content** sheet.
- 3. Select Install Certificate.

The Certificate Import Wizard screen appears.

- 4. Select Next.
- 5. Select Place all certificates in the following store.
- 6. Select Browse.

The Select Certificate Store screen appears.

7. Select Trusted Root Certification Authorities and OK.

- 8. Select Next on Certificate Import Wizard screen.
- 9. If Completing the Certificate Import Wizard appears, select Finish.

The Security Warning screen appears.

10. Make sure thumbprint on Security Warning screen matches printer's thumbprint.

For printer's thumbprint, touch the HOME button, select **Device settings** > LAN settings > Confirm LAN settings, check Root cert. thumbprint (SHA-1) or Root cert. thumbprint (SHA-256).

- 11. If thumbprint on Security Warning screen matches printer's thumbprint, select Yes.
- 12. Select Yes on Certificate Import Wizard screen.

The root certificate registration is completed.

# For Safari

- Select **Download** on Remote UI.
   Downloading the root certificate is started.
- 2. Open download file.

The Add Certificates screen appears.

3. Select Add.

The certificate information appears.

4. Make sure thumbprint of certificate detail information matches printer's thumbprint.

For printer's thumbprint, touch the HOME button, select **Device settings** > LAN settings > Confirm LAN settings, check Root cert. thumbprint (SHA-1) or Root cert. thumbprint (SHA-256).

5. If thumbprint of certificate detail information matches printer's thumbprint, select **Always Trust**.

The root certificate registration is completed.

## >>>> Note

• If a password is set on your device, entering a password may be required.

# For Chrome on Android

1. Select Download on Remote UI.

Downloading the root certificate is started and then **Name the certificate** screen is displayed.

2. As entering the root certificate name is required, enter an arbitrary certificate name and select **OK**.

The root certificate registration is completed.

#### Note

• If PIN or password is not set as security type, the attention screen may appear. Select **OK**, and then set the security type to PIN or password.

## After Root Certificate Registration

We recommend that you make sure that the correct root certificate has been registered.

To make sure that the correct root certificate has been registered, make sure that thumbprint of certificate information matches printer's thumbprint. Follow the steps below.

## >>>> Note

- Some Android devices cannot be checked the thumbprint of a registered route certificate.
- 1. From Settings menu on your device, select Security, Trust credentials, and USER.

The list of downloaded certificates appears.

2. Select downloaded certificate.

The certificate information appears.

3. Make sure that thumbprint of certificate information matches printer's thumbprint.

For printer's thumbprint, touch the HOME button, select **Device settings** > LAN settings > Confirm LAN settings, check Root cert. thumbprint (SHA-1) or Root cert. thumbprint (SHA-256).

4. If thumbprint of certificate information screen matches printer's thumbprint, select OK.

The root certificate registration is completed.

If the message to warn you that the secure connection is not guaranteed appears when you select **Log on** on Remote UI after registering the root certificate, restart the web browser. The message will not appear on the web browser.

#### Note

• Depending on the Android device, a warning may appear even after registering the proper root certificate.

# For Mobile Safari on iOS

1. Select Download on Remote UI.

Downloading the root certificate is started and then **Install Profile** screen is displayed.

2. Select Install.

The Warning screen appears.

# >>>> Note

- If a password is set on your device, entering a password may be required.
- 3. Select Install.
- 4. Select Install on displayed dialog.

The root certificate registration is completed.

# **Setting Mail Server**

To use mail function, specify the mail server settings.

\*This function may not be available depending on the country or region of purchase.

#### >>>> Note

• If you did not specify the time zone setting using the printer's operation panel, a message to inform you that the correct time may not be reflected on the sent e-mail appears. We recommended that you set the time zone setting using the printer's operation panel.

For the time zone setting, see <u>Device user settings</u>.

- These functions can be set only when you are logged in administrator mode.
- 1. Display printer status on web browser.

#### 2. Select Device settings.

The menus appear.

#### 3. Select Set mail server / test connect.

#### 4. Select Set mail server.

The setting items for mail server appear.

#### 5. Specify mail server settings.

Specify the following items.

#### Sender address

Enter the e-mail address of the sender (this printer).

#### Outgoing mail server (SMTP)

Enter the address of your SMTP server.

#### Port number (SMTP)

Enter the port number of your SMTP server.

#### Secure connection (SSL)

Select if you use the secure connection (SSL).

#### Don't verify certificates

Select if you do not verify the certificate.

#### Authentication method

Select one of the following authentication methods.

#### SMTP authentication

Select if you send e-mail with SMTP authentication.

Next, you can specify the following settings.

#### Outgoing account

Enter the account name for sending to perform the authentication.

#### Outgoing password

Enter the password for sending to perform the authentication.

#### POP before SMTP

Select if you send e-mail with POP before SMTP authentication.

Next, you can specify the following settings.

• Incoming mail server (POP3)

Enter the address of your POP server.

• Port number (POP3)

Enter the port number of your POP server.

Incoming account

Enter the account name for receiving to perform the authentication.

Incoming password

Enter the password for receiving to perform the authentication.

#### Use APOP authentication

Select if you send the password by the encryption transmission.

#### Clear mailbox

Select if you delete the e-mails that remain in the POP3 server.

#### Important

• When this setting is enabled, e-mail in the Inbox on the server will have all been removed. If you specify the e-mail address of your everyday, be sure to disable this setting as unread e-mail is not deleted. We recommended that you prepare this printer dedicated e-mail account not to accidentally delete the unread e-mail.

#### No authentication

Select if the authentication is not necessary.

6. After specifying mail server settings, select OK.

The setting operation is completed.

# **Receiving Printer Status by E-mail**

You receive the printer status information such as the remaining ink level and the error from the printer.

## >>>> Note

• Specify the mail server settings in advance.

### Setting Mail Server

• If you did not specify the date and time setting using the printer's operation panel, the date and time may not be reflected on the sent e-mail. We recommended that you set the date and time setting using the printer's operation panel.

For the date and time setting, see <u>Device user settings</u>.

• These functions can be set only when you are logged in administrator mode.

Specify the information settings by following the steps below.

1. Display printer status on web browser.

## 2. Select Device settings.

The menus appear.

## 3. Select Status notification e-mail.

## 4. Select Notification recipients.

The screen to register the destination appears.

#### 5. Specify destination settings.

- Up to 5 destinations can be registered by following the steps below.
  - 1. Select number of destination.
  - 2. Select Register.
  - 3. Enter e-mail address, and then select printer status to send information.
  - 4. Select OK.

The registration for destination is completed.

## 6. Select **Device settings > Status notification e-mail > Retry settings**.

7. Specify resending settings.

The number of resending can be specified by following the steps below.

- 1. Specify number of resending.
- 2. Specify interval of resending.
- 3. Select OK.

The resending setting is completed.

# **Printer Parts**

# Printer Parts

- Front
- Back
- Top Cover (Inside)
- Carriage
- Ink Tank Cover (Inside)
- Operation Panel

# Hard Disk

- Printer Hard Disk Operations
- Checking Free Hard Disk Space
- Erasing Data on Printer's Hard Disk

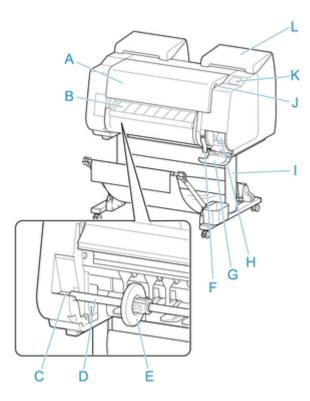
# > Optional accessories

- Roll Holder Set
- Stand
- Stand Parts
- Parts of the Basket
- Roll Unit
- Parts of the Roll Unit

# **Printer Parts**

- ➡ <u>Front</u>
- ➡ <u>Back</u>
- ➡ <u>Top Cover (Inside)</u>
- ➡ <u>Carriage</u>
- ➡ Ink Tank Cover (Inside)
- ➡ Operation Panel

# Front



## A. Top Cover

Open this cover to install the print head, load paper, and remove any jammed paper from inside the printer as needed. (See "<u>Top Cover (Inside)</u>.")

B. Output Guide

Guides printed documents as they are ejected. Open this guide when loading a roll.

C. Roll holder Slot

Slide the Roll Holder into this slot.

- D. Roll Holder Load the roll on this holder.
- E. Holder Stopper Secure the roll on the Roll Holder with this part.
- F. Release Lever To release paper retainer, lift the lever.
- G. Maintenance Cartridge Cover Open this cover to replace the maintenance cartridge.
- H. Maintenance Cartridge

Ink used for maintenance purposes such as head cleaning is absorbed. (Replace the cartridge when it is full.)

I. Stand

A stand that holds the printer. Equipped with casters to facilitate moving it. (See "Stand Parts.")

J. USB flash drive port

Insert a USB flash drive to this port.

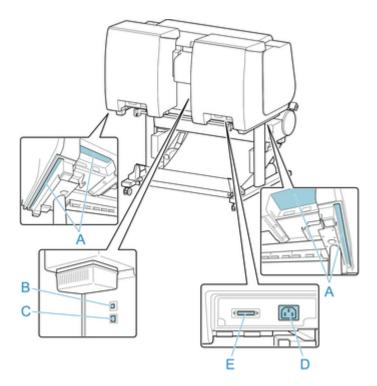
K. Touch Screen

Use this screen to operate the printer and check the printer status. (See "Operation Panel.")

L. Ink Tank Cover

Open this cover to replace the ink tank. (See "Ink Tank Cover (Inside).")

# Back



A. Carrying Grips

When carrying the printer, have six people hold it by these handles under both sides.

B. USB Port

Connect a USB cable to this port. The printer is compatible with Hi-Speed USB connections.

C. Wired LAN Connector

Connect an Ethernet cable to this port. The lamp is lit if the Ethernet cable is connected correctly and communication is possible between the computer and printer.

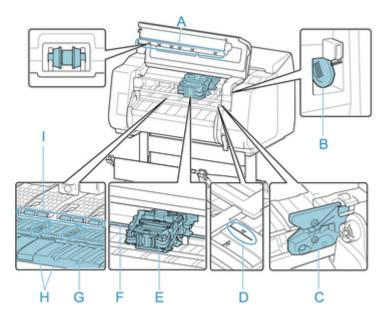
#### D. Power Cord Connector

Connect the power cord to this connector.

E. Roll Unit Power Supply Inlet

Connect the connection cord for the roll unit.

# Top Cover (Inside)



- A. Top Cover Roller Prevents paper from rising when ejected.
- B. Cleaning Brush

When cleaning inside the printer under the top cover, use this brush to sweep away paper dust on the platen.

C. Cutter Blade

A round-bladed cutter for automatic paper cutting.

D. Paper Alignment Line

Align paper with this line when loading it.

E. Carriage

Moves the print head. It serves a key role in printing. (See "Carriage.")

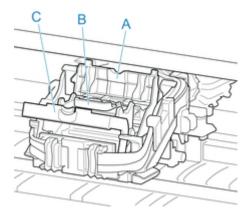
- F. Carriage Shaft The Carriage slides along this shaft.
- G. Platen

The print head moves across the platen to print. Vacuum holes on the platen hold paper in place.

- Borderless Printing Ink Grooves
   For catching ink outside the edges of paper during borderless printing.
- I. Paper Retainer

Important in supplying the paper. This retainer holds paper as it is fed.

# Carriage



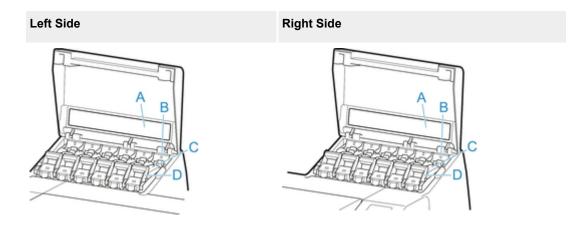
- A. Print Head Locking Cover Secures the print head.
- B. Print Head

The printhead is equipped with ink nozzles. The carriage serves a key role in printing.

C. Print Head Lock Lever

Lock print head locking cover.

# Ink Tank Cover (Inside)



\*1:The figure shows the printer as loaded with a 23.7 fl oz (700 ml) ink tank.

A. Ink Color Label

Load an ink tank that matches the color and name on this label.

B. Ink Lamp (red)

Indicates the state of the ink tank as follows when the ink tank cover is opened.

• On

The ink tank is installed correctly.

• Off

No ink tank is installed, or the ink level detection function is disabled.

Flashing

Ink tank is empty.

#### Note

• When there is little ink left, the ink lamp is lit and 🙂 appears on the touch screen.

C. Ink Tank

Cartridges of ink in various colors.

D. Ink Tank Lock Lever

A lever that locks the ink tank in place and protects it. Lift and lower the lever when replacing an ink tank. To open it, lift the stopper of the lever until it stops, and then push it down toward the front. To close it, push it down until it clicks into place.

# Hard Disk

- Printer Hard Disk Operations
- > Checking Free Hard Disk Space
- Erasing Data on Printer's Hard Disk

# **Printer Hard Disk Operations**

Printer hard disk operations are available from the following programs and interfaces.

- Printer driver
- Remote UI
- Operation panel

The hard disk operations available through each interface are as follows.

Operation		Printer driver	Remote UI	Operation panel
Saving print jobs	Save in mail box	1	-	-
	Do not save print jobs in the common box	-	-	1
	Save print jobs sent from sources other than the printer driver	-	-	1
Operations with saved jobs	Print saved jobs	-	1	1
	Delete saved jobs	-	1	1
Job queue management	Display job queue	-	1	1
	Delete	-	1	1
	Preempt jobs	-	1	1
	Operations with held jobs	-	1	1
Mail box management	Move saved jobs	-	1	-
	Modify saved jobs	-	1	-
	Modify mail boxes	-	1	-
	Print a list of saved jobs	-	-	1
	Display a list of saved jobs	-	1	1
Other operations	Display free hard disk space	-	1	1
	Initialize hard disk	-	-	1
	Display the time of printing	-	1	1
Display error messages	1	-	1	1

# **Checking Free Hard Disk Space**

Check the space available on the printer's hard disk as follows.

This operation is available using the operation panel or Remote UI.

- Using Operation Panel
- Using Remote UI

## **Using Operation Panel**

- 1. Make sure printer is turned on.
- 2. Flick HOME screen and tap **Printer information**.

Menu Operations

3. Tap Hard disk information.

The free hard disk space appears.

## **Using Remote UI**

- 1. Display printer status on web browser.
- 2. On Menu page, select Job management.
- 3. Select Hard disk information.

The free hard disk space is shown in the upper-right corner.

r		Ad	ministrator mode Log off
Menu	<	Hard disk information	
Printer status	Hard disk capacity		250.0GB
Utilities	Job box free space		200.000
Device settings			140.0GB
Job management			
Security			
System info and LAN settings			
Language selection			
Manual (Online)			
		ок	

# **Erasing Data on Printer's Hard Disk**

### >>>> Important

- The administrator password is required to change settings if it is enabled for changing settings using the operation panel.
- For a more secure method of preventing data recovery, we recommend physically or magnetically destroying the hard disk. In this case, the hard disk can no longer be used.
- You cannot erase HDD data if there is a job queue. Additionally, print jobs are not processed while data erasing is in progress.
- 1. Make sure printer is turned on.



2. Flick HOME screen and tap

Menu Operations

- 3. Tap Hard disk settings.
- 4. Enter administrator password if it is enabled.
- 5. Tap erasing method.

#### Fast

Erases file management data for print job data stored on the printer's hard disk. Choose this method for relatively fast erasure. Because only the file management data is erased, the print job data itself is not erased. Note that it may be possible to read this data using commercial data recovery software.

#### Fast secure

Overwrites the entire hard disk with random data. No verification is performed to check if the data was correctly written. Choose this method to erase highly confidential data. Note that it may be possible to read the overwritten data using specialized data recovery tools.

#### Secure

Overwrites the entire hard disk with 00, FF, and random data (one time each). Verification is performed to check if the data was correctly written. Choose this method to erase especially confidential data. It is virtually impossible to recover the overwritten data. Conforms to the DoD5220.22-M standard of the U.S. Department of Defense.

6. Check the message that is displayed and tap Yes.

Data on the hard disk are erased.

# **Optional accessories**

- ➡ Roll Holder Set
- ➡ <u>Stand</u>
- ➡ <u>Stand Parts</u>
- ➡ Parts of the Basket
- ➡ <u>Roll unit</u>
- ➡ Parts of the Roll Unit

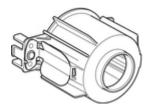
# **Roll Holder Set**

Load roll paper on the roll holder and then load the holder in the printer. You can use the Roll Holder in the RH2-27 roll holder set with both 2-inch and 3-inch paper cores. However, if using 3-inch core roll paper, attach the 3-Inch Paper Core Attachment. (See "Loading Rolls on the Roll Holder.").

- Roll Holder Set RH2-27
  - Roll Holder (for 2- and 3-inch paper cores)



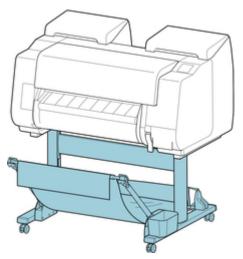
• 3-Inch Paper Core Attachment (×2)



# Stand

The following Stand can be used with the printer.

• Printer Stand SD-21



For more information on the main parts of the Stand, see "Stand Parts."

## >>>Important

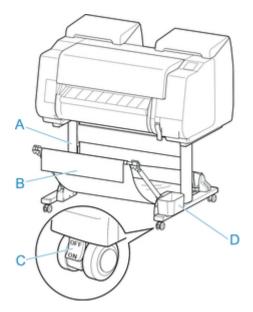
• When moving the Stand, be sure to set the locking caster lock to the OFF position to release the lock.

If you move it while the locking caster are locked, the floor may become scratched.

#### >>>Note

• For instructions on installing the Stand, see the Setup Guide provided with the Stand.

## **Stand Parts**



#### A. Stand Unit

A stand that holds the printer. Equipped with casters to facilitate moving the printer.

B. Basket

Catches the ejected printed documents. (See "Parts of the Basket.")

For instructions on how to use the basket, see "<u>Using the Basket</u>" and "<u>Example Basket</u> <u>Configurations</u>".

C. Locking Caster

A locking caster that, when the lock is in the ON position, immobilizes the printer.

When moving the Stand, be sure to set the locking caster lock to the OFF position to release the lock.

If you move it while the locking caster are locked, the floor may become scratched.

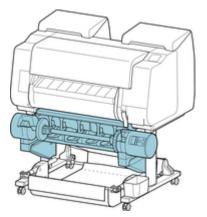
#### D. Accessory Pocket

Store printer manuals, assembly tools, and other items in this pocket.

# **Roll Unit**

You can use the following roll unit with this printer.

• roll unit RU-21



For details on the main parts of the roll unit, see "Parts of the Roll Unit."

## >>>Note

• For instructions on installing the roll unit, see the documentation provided with the roll unit.

## **Network Setting**

- Network Connection Tips
  - Default Network Settings
  - Another Printer Found with Same Name
  - Connecting to Another Computer via LAN/Changing from USB to LAN Connection
  - Printing Network Settings
  - Changing LAN Connection Method/Changing Wireless LAN Connection Method (Windows)
  - Changing Network Settings Using Remote UI

## IJ Network Device Setup Utility

- IJ Network Device Setup Utility
- Starting Up IJ Network Device Setup Utility
- IJ Network Device Setup Utility Screen
- Performing Network Settings
- Checking Network Status
- IJ Network Device Setup Utility Menus
- Other Network Information
- Sharing the Printer on a Network (Windows)
  - Setting Up a Shared Printer
  - Restrictions on Printer Sharing
- Sharing the Printer on a Network (Mac OS)
  - Settings on Print Server
  - Settings on Client PC
  - Restrictions on Printer Sharing
- Connecting Smartphone/Tablet to Printer via Wireless LAN
  - Connecting Smartphone/Tablet to Printer via Wireless LAN Router

# **Network Connection Tips**

- Default Network Settings
- > Another Printer Found with Same Name
- Connecting to Another Computer via LAN/Changing from USB to LAN Connection
- Printing Network Settings
- Changing LAN Connection Method/Changing Wireless LAN Connection Method (Windows)
- > Changing Network Settings Using Remote UI

# **Default Network Settings**

## LAN Connection Defaults

Item	Default
Change LAN	Activate wired LAN
SSID	BJNPSETUP
Communication mode	Infrastructure
Wireless LAN security	Disable
IP address (IPv4)	Auto setup
IP address (IPv6)	Auto setup
Set printer name*	XXXXXXXXXXXX
Enable/disable IPv6	Enable
Enable/disable WSD	Enable
Timeout setting	1 minute
Enable/disable Bonjour	Enable
Service name	Canon PRO-2000
LPR protocol setting	Enable
Wireless LAN DRX setting	Enable
Wired LAN DRX setting	Enable

("XX" represents alphanumeric characters.)

\* Default value depends on printer. To check value, use operation panel.

LAN settings

## **Direct Connection Defaults**

Item	Default
SSID (Identifier for direct connection)	DIRECT-abXX-PRO-2000 *1
Password	YYYYYYYYY *2
Wireless LAN security	WPA2-PSK (AES)
Direct connection device name	ZZZZZ-PRO-2000 *3
Connection request confirmation	Displayed

\*1 "ab" is specified at random and "XX" represents last two digits of printer's MAC address.

- \*2 The password is specified automatically when the printer is turned on for the first time.
- \*3 "ZZZZZZ" represents last six digits of printer's MAC address.

# **Another Printer Found with Same Name**

When the printer is found during setup, other printers with the same name may appear on the results screen.

Select a printer with checking the printer settings against those on detection result screen.

Check the printer's MAC address or serial to select the correct printer from the results.

#### >>>> Note

• Serial number may not appear on result screen.

Check the printer's MAC address and the serial number by one of the following methods.

• Display on the touch screen.

MAC address

LAN settings

Serial number

- Printer information
- Print the network settings.
  - Printing Network Settings

# Connecting to Another Computer via LAN/Changing from USB to LAN Connection

For Windows:

For Mac OS:

## For Windows:

To add a computer to connect to the printer on a LAN or to change from USB to LAN connection, perform setup using the Setup CD-ROM or follow the instructions on the Canon website.

## For Mac OS:

To connect an additional computer to the printer via LAN, or to change from USB to LAN connection, follow the instructions on the Canon website.

# **Printing Network Settings**

Use the operation panel to print the printer's current network settings.

#### >>>> Important

• The network settings printout contains important information about your network. Handle it with care.

Device settings.

- 1. Make sure printer is turned on.
- 2. Load plain paper.
  - Loading Rolls on the Roll Holder
  - Loading the Upper Roll on the Printer
  - If you use sheets, load at least 10 sheets (A4 or Letter-sized).
    - Loading Sheets in the Printer
- 3. Flick HOME screen and tap

Menu Operations

The menu screen appears.

#### 4. Tap Test print.

If you specify the administrator password, enter the password.

#### 5. Tap Print LAN details.

The printer starts printing network settings information.

#### >>>> Note

• You can also print the printer's network settings. Tap **Device settings** on the HOME screen, tap **LAN settings** and **Confirm LAN settings** in this order, and then tap **Print LAN details** and tap **Yes**.

The printed network settings information is as follows: (Some setting values are not displayed depending on the printer settings.)

Item	Description	Setting
LAN Setting	Basic setting information	-
Basic Info	IPv4 setting information (Wired LAN)	-
LAN Interface Mode	Current interface	Wired/Wireless/AP Mode/WFD Mode
Link Active	Operation status	Inactive/Active
IP Address	IPv4 IP address	XXX.XXX.XXX.XXX

Gateway Address	IPv4 default gateway	XXX.XXX.XXX.XXX
Subnet Mask	IPv4 subnet mask	XXX.XXX.XXX.XXX
IP Mode	Acquiring method of IPv4 IP address	Auto IP/DHCP/Manual
Use DNS Auto Mode	Acquiring DNS server automatically	On/Off
Primary DNS Server Address	Primary DNS server address	XXX.XXX.XXX.XXX
Secondary DNS Server Address	Secondary DNS server address	XXX.XXX.XXX.XXX
Control Filtering	SNMP filtering setting information	-
Use IP Filtering	Operation status of IP filtering	On/Off
IP Filtering Select	IP filtering method	Admit/Prohibit
IP Filtering Permission Address	IP filtering permission address	-
Start Address 1	Start address 1	XXX.XXX.XXX.XXX
End Address 1	End address 1	XXX.XXX.XXX.XXX
Use Single On 1	Use single on 1	On/Off
Start Address 2	Start address 2	XXX.XXX.XXX.XXX
End Address 2	End address 2	XXX.XXX.XXX.XXX
Use Single On 2	Use single on 2	On/Off
Start Address 3	Start address 3	XXX.XXX.XXX.XXX
End Address 3	End address 3	XXX.XXX.XXX.XXX
Use Single On 3	Use single on 3	On/Off
Start Address 4	Start address 4	XXX.XXX.XXX.XXX
End Address 4	End address 4	XXX.XXX.XXX.XXX
Use Single On 4	Use single on 4	On/Off
Start Address 5	Start address 5	XXX.XXX.XXX.XXX
End Address 5	End address 5	XXX.XXX.XXX.XXX
Use Single On 5	Use single on 5	On/Off
IP Filtering Prohibit Address	IP filtering prohibit address	-
Start Address 1	Start address 1	XXX.XXX.XXX.XXX
End Address 1	End address 1	XXX.XXX.XXX.XXX
Use Single On 1	Use single on 1	On/Off

	1	
Start Address 2	Start address 2	XXX.XXX.XXX.XXX
End Address 2	End address 2	XXX.XXX.XXX.XXX
Use Single On 2	Use single on 2	On/Off
Start Address 3	Start address 3	XXX.XXX.XXX.XXX
End Address 3	End address 3	XXX.XXX.XXX.XXX
Use Single On 3	Use single on 3	On/Off
Start Address 4	Start address 4	XXX.XXX.XXX.XXX
End Address 4	End address 4	XXX.XXX.XXX.XXX
Use Single On 4	Use single on 4	On/Off
LAN Setting	Basic setting information	-
Basic Info	IPv4 setting information (Wired LAN)	-
Control Filtering	SNMP filtering setting information	-
IP Filtering Prohibit Address	IP filtering prohibit address	-
Start Address 5	Start address 5	XXX.XXX.XXX.XXX
End Address 5	End address 5	XXX.XXX.XXX.XXX
Use Single On 5	Use single on 5	On/Off
Print Filtering	Print filtering setting information	-
Use IP Filtering	Operation status of IP filtering	On/Off
IP Filtering Select	IP filtering method	Admit/Prohibit
IP Filtering Permission Address	IP filtering permission address	-
Start Address 1	Start address 1	XXX.XXX.XXX.XXX
End Address 1	End address 1	XXX.XXX.XXX.XXX
Use Single On 1	Use single on 1	On/Off
Start Address 2	Start address 2	XXX.XXX.XXX.XXX
End Address 2	End address 2	XXX.XXX.XXX.XXX
Use Single On 2	Use single on 2	On/Off
Start Address 3	Start address 3	XXX.XXX.XXX.XXX
End Address 3	End address 3	XXX.XXX.XXX.XXX
Use Single On 3	Use single on 3	On/Off

Start address 4	XXX.XXX.XXX.XXX
End address 4	XXX.XXX.XXX.XXX
Use single on 4	On/Off
Start address 5	XXX.XXX.XXX.XXX
End address 5	XXX.XXX.XXX.XXX
Use single on 5	On/Off
IP filtering prohibit address	-
Start address 1	XXX.XXX.XXX.XXX
End address 1	XXX.XXX.XXX.XXX
Use single on 1	On/Off
Start address 2	XXX.XXX.XXX.XXX
End address 2	XXX.XXX.XXX.XXX
Use single on 2	On/Off
Start address 3	XXX.XXX.XXX.XXX
End address 3	XXX.XXX.XXX.XXX
Use single on 3	On/Off
Start address 4	XXX.XXX.XXX.XXX
End address 4	XXX.XXX.XXX.XXX
Use single on 4	On/Off
Start address 5	XXX.XXX.XXX.XXX
End address 5	XXX.XXX.XXX.XXX
Use single on 5	On/Off
Basic setting information	-
IPv6 setting information (Wired LAN)	-
Link local address	XXXX:XXXX:XXXX:XXXX XXXX:XXXX:XXXX:XXX
IPv6 IP address	XXXX:XXXX:XXXX:XXXX XXXX:XXXX:XXXX
Link local address prefix length	XXX (0 to 128)
	Use single on 4 Start address 5 End address 5 Use single on 5 IP filtering prohibit address Start address 1 End address 1 Use single on 1 Start address 2 End address 2 Use single on 2 Start address 3 End address 3 End address 4 Use single on 3 Start address 4 End address 5 End address 5 End address 5 End address 5 Use single on 5 Basic setting information IPv6 setting information (Wired LAN) Link local address

Use Manual Mode	Operation status of IPv6 manual ad- dress	On/Off
Manual Address	Manual address	-
IP Address	IPv6 IP address	XXXX:XXXX:XXXX:XXXX XXXX:XXXX:XXXX:XXX
Prefix Length	Prefix length	XXX (0 to 128)
Use Stateful Address Mode	Operation status of stateful address mode	On/Off
Stateful Address	Stateful address	-
IP Address	IPv6 IP address	XXXX:XXXX:XXXX:XXXX XXXX:XXXX:XXXX:XXX
Prefix Length	Prefix length	XXX (0 to 128)
Stateless Address	Stateless address	-
IP Address 1	IP address 1	XXXX:XXXX:XXXX:XXXX XXXX:XXXX:XXXX:XXX
Prefix Length 1	Prefix length 1	XXX (0 to 128)
IP Address 2	IP address 2	XXXX:XXXX:XXXX:XXXX XXXX:XXXX:XXXX:XXX
Prefix Length 2	Prefix length 2	XXX (0 to 128)
IP Address 3	IP address 3	XXXX:XXXX:XXXX:XXXX XXXX:XXXX:XXXX:XXX
Prefix Length 3	Prefix length 3	XXX (0 to 128)
IP Address 4	IP address 4	XXXX:XXXX:XXXX:XXXX XXXX:XXXX:XXXX
Prefix Length 4	Prefix length 4	XXX (0 to 128)
Gateway Address	Gateway address	-
IP Address 1	IP address 1	XXXX:XXXX:XXXX:XXXX XXXX:XXXX:XXXX:XXX
Prefix Length 1	Prefix length 1	XXX (0 to 128)
IP Address 2	IP address 2	XXXX:XXXX:XXXX:XXXX XXXX:XXXX:XXXX:XXX
Prefix Length 2	Prefix length 2	XXX (0 to 128)
IP Address 3	IP address 3	XXXX:XXXX:XXXX:XXXX XXXX:XXXX:XXXX:XXX

Prefix Length 3	Prefix length 3	XXX (0 to 128)
IP Address 4	IP address 4	XXXX:XXXX:XXXX:XXXX XXXX:XXXX:XXXX:XXX
Prefix Length 4	Prefix length 4	XXX (0 to 128)
Use DNS Auto Mode	Acquiring DNS server automatically	On/Off
Primary DNS Server Address	Primary DNS server address	XXX.XXX.XXX.XXX
Secondary DNS Server Address	Secondary DNS server address	XXX.XXX.XXX.XXX
Control Filtering	SNMP filtering setting information	-
Use IP Filtering	Operation status of IP filtering	On/Off
IP Filtering Select	IP filtering method	Admit/Prohibit
IPv6 Filtering Permission Info	IPv6 filtering permission information	-
IP Filtering Start Address 1	IP filtering start address 1	XXX.XXX.XXX.XXX
IP Filtering End Address 1	IP filtering end address 1	XXX.XXX.XXX.XXX
Use Single On 1	Use single on 1	On/Off
LAN Setting	Basic setting information	-
IPv6 Info	IPv6 setting information (Wired LAN)	-
Control Filtering	SNMP filtering setting information	-
IP Filtering Start Address 2	IP filtering start address 2	XXX.XXX.XXX.XXX
IP Filtering End Address 2	IP filtering end address 2	XXX.XXX.XXX.XXX
Use Single On 2	Use single on 2	On/Off
IP Filtering Start Address 3	IP filtering start address 3	XXX.XXX.XXX.XXX
IP Filtering End Address 3	IP filtering end address 3	XXX.XXX.XXX.XXX
Use Single On 3	Use single on 3	On/Off
IP Filtering Start Address 4	IP filtering start address 4	XXX.XXX.XXX.XXX
IP Filtering End Address 4	IP filtering end address 4	XXX.XXX.XXX.XXX
Use Single On 4	Use single on 4	On/Off
IP Filtering Start Address 5	IP filtering start address 5	XXX.XXX.XXX.XXX
IP Filtering End Address 5	IP filtering end address 5	XXX.XXX.XXX.XXX
Use Single On 5	Use single on 5	On/Off

IPv6 Filtering Prohibit Info	IPv6 Filtering prohibit information	-
IP Filtering Start Address 1	IP filtering start address 1	XXX.XXX.XXX.XXX
IP Filtering End Address 1	IP filtering end address 1	XXX.XXX.XXX.XXX
Use Single On 1	Use single on 1	On/Off
IP Filtering Start Address 2	IP filtering start address 2	XXX.XXX.XXX.XXX
IP Filtering End Address 2	IP filtering end address 2	XXX.XXX.XXX.XXX
Use Single On 2	Use single on 2	On/Off
IP Filtering Start Address 3	IP filtering start address 3	XXX.XXX.XXX.XXX
IP Filtering End Address 3	IP filtering end address 3	XXX.XXX.XXX.XXX
Use Single On 3	Use single on 3	On/Off
IP Filtering Start Address 4	IP filtering start address 4	XXX.XXX.XXX.XXX
IP Filtering End Address 4	IP filtering end address 4	XXX.XXX.XXX.XXX
Use Single On 4	Use single on 4	On/Off
IP Filtering Start Address 5	IP filtering start address 5	XXX.XXX.XXX.XXX
IP Filtering End Address 5	IP filtering end address 5	XXX.XXX.XXX.XXX
Use Single On 5	Use single on 5	On/Off
Print Filtering	Print filtering setting information	-
Use IP Filtering	Operation status of IP filtering	On/Off
IP Filtering Select	IP filtering method	Admit/Prohibit
IP Filtering Permission Info	IP filtering permission information	-
IP Filtering Start Address 1	IP filtering start address 1	XXX.XXX.XXX.XXX
IP Filtering End Address 1	IP filtering end address 1	XXX.XXX.XXX.XXX
Use Single On 1	Use single on 1	On/Off
IP Filtering Start Address 2	IP filtering start address 2	XXX.XXX.XXX.XXX
IP Filtering End Address 2	IP filtering end address 2	XXX.XXX.XXX.XXX
Use Single On 2	Use single on 2	On/Off
LAN Setting	Basic setting information	-
IPv6 Info	IPv6 setting information (Wired LAN)	-
Print Filtering	Print filtering setting information	-
	<u>I</u>	1

IP Filtering Start Address 3	IP filtering start address 3	XXX.XXX.XXX.XXX
IP Filtering End Address 3	IP filtering end address 3	XXX.XXX.XXX.XXX
Use Single On 3	Use single on 3	On/Off
IP Filtering Start Address 4	IP filtering start address 4	XXX.XXX.XXX.XXX
IP Filtering End Address 4	IP filtering end address 4	XXX.XXX.XXX.XXX
Use Single On 4	Use single on 4	On/Off
IP Filtering Start Address 5	IP filtering start address 5	XXX.XXX.XXX.XXX
IP Filtering End Address 5	IP filtering end address 5	XXX.XXX.XXX.XXX
Use Single On 5	Use single on 5	On/Off
IPv6 Filtering Prohibit Info	IPv6 Filtering prohibit information	-
IP Filtering Start Address 1	IP filtering start address 1	XXX.XXX.XXX.XXX
IP Filtering End Address 1	IP filtering end address 1	XXX.XXX.XXX.XXX
Use Single On 1	Use single on 1	On/Off
IP Filtering Start Address 2	IP filtering start address 2	XXX.XXX.XXX.XXX
IP Filtering End Address 2	IP filtering end address 2	XXX.XXX.XXX.XXX
Use Single On 2	Use single on 2	On/Off
IP Filtering Start Address 3	IP filtering start address 3	XXX.XXX.XXX.XXX
IP Filtering End Address 3	IP filtering end address 3	XXX.XXX.XXX.XXX
Use Single On 3	Use single on 3	On/Off
IP Filtering Start Address 4	IP filtering start address 4	XXX.XXX.XXX.XXX
IP Filtering End Address 4	IP filtering end address 4	XXX.XXX.XXX.XXX
Use Single On 4	Use single on 4	On/Off
IP Filtering Start Address 5	IP filtering start address 5	XXX.XXX.XXX.XXX
IP Filtering End Address 5	IP filtering end address 5	XXX.XXX.XXX.XXX
Use Single On 5	Use single on 5	On/Off
MAC Info	MAC address setting information (Wired/Wireless LAN)	-
MAC Address(Wired)	MAC address (Wired LAN)	XX:XX:XX:XX:XX:XX
MAC Address(Wireless)	MAC address (Wireless LAN)	XX:XX:XX:XX:XX
L	l.	I

Use MAC Address Filtering	Operation status of MAC address fil- tering	On/Off
MAC Filtering Select	MAC address filtering method	Admit/Prohibit
MAC Filtering Permission Info	MAC filtering permission information	-
MAC Address 1	MAC address 1	XX:XX:XX:XX:XX
MAC Address 2	MAC address 2	XX:XX:XX:XX:XX
MAC Address 3	MAC address 3	XX:XX:XX:XX:XX
MAC Address 4	MAC address 4	XX:XX:XX:XX:XX
MAC Address 5	MAC address 5	XX:XX:XX:XX:XX
LAN Setting	Basic setting information	-
MAC Info	MAC address setting information (Wired/Wireless LAN)	-
MAC Filtering Prohibit Info	MAC filtering prohibit information	-
MAC Address 1	MAC address 1	XX:XX:XX:XX:XX
MAC Address 2	MAC address 2	XX:XX:XX:XX:XX
MAC Address 3	MAC address 3	XX:XX:XX:XX:XX
MAC Address 4	MAC address 4	XX:XX:XX:XX:XX
MAC Address 5	MAC address 5	XX:XX:XX:XX:XX
Proxy Setting	Proxy server setting information	-
Use Proxy	Use proxy server	On/Off
Proxy Server Address	Proxy server address	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
Proxy Port Number	Proxy port specification	1 to 65535
Use User Authority Mode	Use user authority mode	On/Off
Proxy Server User Name	Proxy server user name	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
Proxy Server Password	Proxy server password	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
Wireless LAN Setting	Wireless LAN setting information	-
Channel	Channel (infrastructure)	XXX (0 to 255)

SSID	SSID	Wireless LAN (infrastructure) SSID (up to 32 characters)
Security Type	Security type for Wireless LAN (infra- structure)	Disabled/WEP 64bit/WEP 128bit/WPA PSK TKIP/WPA PSK AES/WPA2 PSK TKIP/WPA2 PSK AES/MIXED
WEP1	WEP key 1 for Wireless LAN (infra- structure)	XXXXXXXX (up to 32 characters)
WEP2	WEP key 2 for Wireless LAN (infra- structure)	XXXXXXXXX (up to 32 characters)
WEP3	WEP key 3 for Wireless LAN (infra- structure)	XXXXXXXX (up to 32 characters)
WEP4	WEP key 4 for Wireless LAN (infra- structure)	XXXXXXXXX (up to 32 characters)
WEP Certificate	WEP certificate for Wireless LAN (in- frastructure)	Open/Shared/Auto
WEP Format	WEP format for Wireless LAN (infra- structure)	Hex/String
WPA PSK	Passphrase for Wireless LAN (infra- structure)	XXXXXXXX (up to 64 characters)
P2P LAN Setting	P2P LAN setting information	-
Channel	Channel (P2P)	XXX (0 to 255)
SSID	SSID	Wireless LAN SSID (P2P)
Security Type	Security type for Wireless LAN (P2P) (up to 32 characters)	Disabled/WPA2 PSK TKIP/WPA2 PSK AES
WPA PSK	Passphrase for Wireless LAN (P2P)	XXXXXXXXXXX (up to 10 characters)
WFD LAN Setting	WFD LAN setting information	-
Device Name	Device name	XXXXXXXX (up to 32 characters)
Channel	Channel (WFD)	XXX (0 to 255)
SSID	SSID	Wireless LAN SSID (WFD) (up to 32 characters)
Security Type	Security type for Wireless LAN (P2P)	Disabled/WPA2 PSK TKIP/WPA2 PSK AES
WPA PSK	Passphrase for Wireless LAN (P2P)	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
Use Notify Connection	Use notify connection	On/Off

Protocol Setting	Protocol setting information	-
Printer Name	Printer name	XXXXXXXX (up to 16 characters)
Use LPR	Use LPR	On/Off
Printer Location	Printer location	XXXXXXXX (up to 16 characters)
Use Wired Power Save	Discontinuous reception (Wired LAN)	On/Off
Use Wireless Power Save	Discontinuous reception (Wireless LAN)	On/Off
Use RAW	Use RAW	On/Off
Use LLMNR	Use LLMNR	On/Off
Use Spanning Tree	Use spanning tree	On/Off
WSD Setting	WSD setting information	-
Use WSD	Use WSD	On/Off
WSD Timeout	Timeout	1/5/10/15/20 [min]
Use WSD Push Scan	Use WSD push scan	On/Off
Use WSD Rx Optimization	Use WSD reception optimization	On/Off
SNMP Setting	SNMP setting information	-
Use SNMPv1	Use SNMPv1	On/Off
Use SNMPv3	Use SNMPv3	On/Off
SNMP Community Name1	SNMP community name 1	XXXXXXXX (up to 32 characters)
SNMP Community Name2	SNMP community name 2	XXXXXXXX (up to 32 characters)
SNMP Extra Access Authority	SNMP extra access authority	Read Only/Read Write
SNMP Access Authority1	SNMP access authority 1	Read Only/Read Write
SNMP Access Authority2	SNMP access authority 2	Read Only/Read Write
SNMPV3 Setting	SNMPV3 setting information	-
User1	User 1	-
User Name	User name	XXXXXXXX (up to 32 characters)
Use SNMPv3	Use SNMPv3	On/Off
MIB Access Restriction	MIB access restriction	Read Only/Read Write
Security Setting	Security setting	No Auth No Encrypt/Auth No En- crypt/Auto Encrypt

MIB Access Restriction	MIB access restriction	Read Only/Read Write
Use SNMPv3	Use SNMPv3	On/Off
User Name	User name	XXXXXXXX (up to 32 characters)
User4	User 4	-
Encryption Password	Encryption password	XXXXXXXX (0 to 16 characters)
Encryption Algorithm	Encryption algorithm	None/AES/DES
Authority Password	Authority password	XXXXXXXXX (0 to 16 characters)
Authority Algorithm	Authority algorithm	None/MD5/SHA1
Security Setting	Security setting	No Auth No Encrypt/Auth No En- crypt/Auto Encrypt
MIB Access Restriction	MIB access restriction	Read Only/Read Write
Use SNMPv3	Use SNMPv3	On/Off
User Name	User name	XXXXXXXX (up to 32 characters)
User3	User 3	-
SNMPV3 Setting	SNMPV3 setting information	-
Encryption Password	Encryption password	XXXXXXXXX (0 to 16 characters)
Encryption Algorithm	Encryption algorithm	None/AES/DES
Authority Password	Authority password	XXXXXXXX (0 to 16 characters)
Authority Algorithm	Authority algorithm	None/MD5/SHA1
Security Setting	Security setting	No Auth No Encrypt/Auth No En- crypt/Auto Encrypt
MIB Access Restriction	MIB access restriction	Read Only/Read Write
Use SNMPv3	Use SNMPv3	On/Off
User Name	User name	XXXXXXXXX (up to 32 characters)
User2	User 2	-
Encryption Password	Encryption password	XXXXXXXXX (0 to 16 characters)
Encryption Algorithm	Encryption algorithm	None/AES/DES
Authority Password	Authority password	XXXXXXXXX (0 to 16 characters)
Authority Algorithm	Authority algorithm	None/MD5/SHA1

Security Setting	Security setting	No Auth No Encrypt/Auth No En- crypt/Auto Encrypt
Authority Algorithm	Authority algorithm	None/MD5/SHA1
Authority Password	Authority password	XXXXXXXXX (0 to 16 characters)
Encryption Algorithm	Encryption algorithm	None/AES/DES
Encryption Password	Encryption password	XXXXXXXXX (0 to 16 characters)
User5	User 5	-
User Name	User name	XXXXXXXXX (up to 32 characters)
Use SNMPv3	Use SNMPv3	On/Off
MIB Access Restriction	MIB access restriction	Read Only/Read Write
Security Setting	Security setting	No Auth No Encrypt/Auth No En- crypt/Auto Encrypt
Authority Algorithm	Authority algorithm	None/MD5/SHA1
Authority Password	Authority password	XXXXXXXXX (0 to 16 characters)
Encryption Algorithm	Encryption algorithm	None/AES/DES
Encryption Password	Encryption password	XXXXXXXXX (0 to 16 characters)
SNTP Setting	SNTP setting information	-
Use SNTP	Use SNTP	On/Off
SNTP Polling Interval	SNTP polling interval	1 to 48 [sec]
SNTP Server Name	SNTP server name	XXXXXXXXX (up to 256 characters)
FTP Setting	FTP setting information	-
Use FTP	Use FTP	On/Off
Use FTP Authority	Use FTP authority	On/Off
FTP User Name	FTP user name	XXXXXXXXX (up to 33 characters)
FTP Password	FTP password	XXXXXXXXX (up to 33 characters)
Bonjour Setting	Bonjour setting information	-
Use Bonjour	Use Bonjour	On/Off
Bonjour Service Name	Bonjour service name	Bonjour service name (Up to 50 al- phanumeric characters)
802.1X Setting	802.1X setting information	-
	1	

Authority State	802.1X authority state	Invalid/Authorized
Authority Type	Enable/disable 802.1X and authority type	Off/On/EAP-TTLS
EAP TTLS Type	Internal authority type for EAP-TTLS	Invalid/Authorized
Weak Encryption Restriction	Weak encryption restriction	Invalid/Authorized
Weak Certificate Restriction	Weak certificate restriction	Invalid/Authorized
Login Name	Login name	XXXXXXXX (up to 24 characters)
User Name	User name	XXXXXXXX (up to 24 characters)
Password	Password	XXXXXXXX (up to 24 characters)
Server Name	Server name	XXXXXXXX (up to 43 characters)
IPsec Setting	IPsec setting information	-
Use IPsec	Use IPsec	On/Off
Previous Shared Key	Previous shared key for IPsec	XXXXXXXX (up to 17 characters)
Phase2 Protocol	IPsec phase2 protocol	AH/ESP/AH+ESP
AAP Location Info	AAP location information	-
Height	Height	0 to 65535
Latitude Info	Latitude information	-
Direction	Direction	South Latitude/North Latitude
Time	Time	0 to 90
Minute	Minute	0 to 59
Sec1	Sec 1	0 to 59
Sec2	Sec 2	0 to 999
Longitude Info	Longitude information	-
Direction	Direction	South Latitude/North Latitude
Time	Time	0 to 90
Minute	Minute	0 to 59
Sec1	Sec 1	0 to 59
Sec2	Sec 2	0 to 999
Email Setting	E-mail setting information	-

Retry Count	E-mail retry count	0 to 5
Retry Interval	E-mail retry interval	1 to 60 (min)
Use Email Notification	Use E-mail notification	On/Off
Use SSL	Use SSL	On/Off
Use SSL Cert No Check	Use SSL certification	On/Off
Use Mailbox Delete	Use mailbox delete	On/Off
Email Setting	E-mail setting information	-
SMTP Server Address	SMTP server address	XXXXXXXXX (up to 64 characters)
SMTP Server Port No	SMTP server port number	1 to 65535
SMTP State	SMTP state	Invalid/Authorized/POP before SMTP
From Address 1	From address 1	XXXXXXXX (up to 128 characters)
To Address 1	To address 1	XXXXXXXX (up to 128 characters)
Reply Address 1	Reply address 1	XXXXXXXX (up to 128 characters)
Notice Conditions 1	Notice conditions 1	-
Job End	Job end	On/Off
Error Occurred	Error occurred	On/Off
Warning Occurred	Warning occurred	On/Off
Signature 1	Signature 1	XXXXXXXXX (up to 128 characters)
To Address 2	To address 2	XXXXXXXX (up to 128 characters)
Reply Address 2	Reply address 2	XXXXXXXX (up to 128 characters)
Notice Conditions 2	Notice conditions 2	-
Job End	Job end	On/Off
Error Occurred	Error occurred	On/Off
Warning Occurred	Warning occurred	On/Off
Signature 2	Signature 2	XXXXXXXXX (up to 128 characters)
RUI Setting	RUI setting information	-
Use RUI	Use Remote UI	On/Off
Language	Language	-

("XX" represents alphanumeric characters.)

# Changing LAN Connection Method/Changing Wireless LAN Connection Method (Windows)

- Changing LAN Connection Method
- M Changing Wireless LAN Connection Method

## **Changing LAN Connection Method**

Follow either procedure below to change LAN connection method (wired or wireless).

- For Windows:
  - Use the Setup CD-ROM or follow the instructions on the Canon website to redo setup.
  - Tap LAN settings and Change LAN in this order on the HOME screen, and then select Activate wireless LAN or Activate wired LAN.

After that, perform settings on the Protocol Settings... screen on IJ Network Device Setup Utility.

For details, refer to <u>Performing/Changing Wireless LAN Settings</u> or <u>Performing/Changing Wired</u> <u>LAN Settings</u>.

• For Mac OS:

Follow the instructions on the Canon website to redo setup.

## **Changing Wireless LAN Connection Method**

Follow either procedure below to change wireless LAN connection method (infrastructure or direct connection).

- For Windows:
  - · Use the Setup CD-ROM or follow the instructions on the Canon website to redo setup.
  - Perform settings on the Protocol Settings screen on IJ Network Device Setup Utility.

#### Important

 Before you perform settings using IJ Network Device Setup Utility, turn on cableless setup mode on the printer following the procedure below.

LAN settings.

- 1. Make sure printer is turned on.
- 2. Flick HOME screen and tap

Menu Operations

If you specify the administrator password, enter the password.

- 3. Tap Wireless LAN setup.
- 4. Tap Cableless setup.
- 5. Check message and tap **OK**.

Follow instructions on your smartphone or tablet.

6. If message saying setup is completed appears, tap **OK**.

#### • For Mac OS:

Follow the instructions on the Canon website to redo setup.

# **Changing Network Settings Using Remote UI**

You can use Remote UI on the following OS and the web browser.

- · iOS device
  - OS: iOS 7.0 or later

Web browser: iOS standard Web browser (Mobile Safari)

- Android device
  - OS: Android 4.0 or later

Web browser: Android standard Web browser (Browser or Chrome)

Mac OS device

OS: Mac OS X v.10.6 or later

Web browser: Safari 5.1 or later

• Windows device

OS: Windows Vista SP2 or later

Web browser: Internet Explorer 9 or later, Google Chrome 41.0.2272.118m or later, Mozilla Firefox 37.0.1 or later

# >>>> Important

- Enable JavaScript and cookies in the web browser.
- If you access Remote UI with the printer name instead of its IP address, make sure the DNS settings are correctly configured.
- Depending on the network environment, you may not be able to start Remote UI.
- Make sure **Do not restrict** is selected for **Remote UI** on **Operation restrictions** in **Device user settings** under **Device settings**.

# >>>> Note

• Remote UI also offers many other features. You can display the ink levels, check error messages and other status information, and cancel print jobs.

# IJ Network Device Setup Utility

- **IJ Network Device Setup Utility**
- > Starting Up IJ Network Device Setup Utility
- > IJ Network Device Setup Utility Screen
- Performing Network Settings
- Checking Network Status
- > IJ Network Device Setup Utility Menus
- > Other Network Information

# IJ Network Device Setup Utility

IJ Network Device Setup Utility allows a network/printer administrator to manage printers on network. When you perform printer setup, the utility is installed at the same time.

Use IJ Network Device Setup Utility for:

- · Searching printers on network and performing initial network setup for detected printers
- Performing initial network setup by connecting the printer and computer using a USB cable (Not available for some models)
- Changing printer network settings
- Checking status between computer on which IJ Network Device Setup Utility is installed and printer if anything is wrong with connection

# >>>> Important

- You can use IJ Network Device Setup Utility only on Windows.
- Depending on the printer you are using, an administrator password is already specified for the printer at the time of purchase. When you change the network settings, authentication by the administrator password is required.

For details:

Administrator Password

For improving security, we recommend to change the administrator password.

Changing Administrator Password

- To use the printer over LAN, make sure you have the equipment necessary for the connection type, such as a wireless router or a LAN cable.
- When you perform setup or install IJ Network Device Setup Utility, disable block function of firewall.
- Do not change network settings using IJ Network Device Setup Utility while printing is in progress.

# Starting Up IJ Network Device Setup Utility

Start up IJ Network Device Setup Utility as shown below.

- In Windows 10, select All apps on the Start screen and select IJ Network Device Setup Utility. If IJ Network Device Setup Utility is not displayed, search for "IJ Network Device Setup Utility" on Search the web and Windows.
- In Windows 8.1 or Windows 8, select IJ Network Device Setup Utility on the Start screen to start IJ Network Device Setup Utility. If IJ Network Device Setup Utility is not displayed on the Start screen, select the Search charm and search for "IJ Network Device Setup Utility".
- In Windows 7 or Windows Vista, click Start and select All Programs, Canon Utilities, IJ Network Device Setup Utility, and then IJ Network Device Setup Utility.

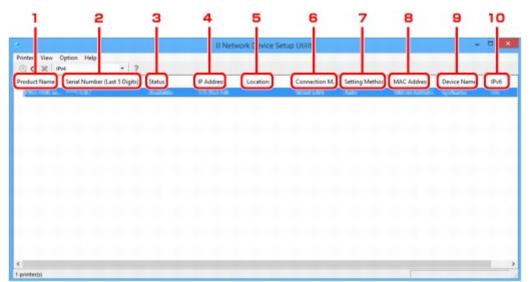
When you start up IJ Network Device Setup Utility, it searches for printers on network and detected printers are listed.

# IJ Network Device Setup Utility Screen

- Items on IJ Network Device Setup Utility Screen
- Menus on IJ Network Device Setup Utility Screen
- Items on IJ Network Device Setup Utility Screen Toolbar

# Items on IJ Network Device Setup Utility Screen

The screen below appears when you start up IJ Network Device Setup Utility. Detected printers are listed on the screen and the items below are shown.



## 1. Product Name

Displays the product name of detected printer. The icon below appears on the left if the printer cannot be used.

\* Appears when the printer has not been connected or configured.

P: Appears when the IP address is duplicated to another printer.

🐨: Appears when you cannot communicate with the printer.

### Note Note

• If a printer you want to use is not detected, try to set the criteria for printer search.

Setting Criteria for Printer Search/Searching Specific Printer

## 2. Serial Number (Last 5 Digits)

Displays the last five digits of printer's serial number.

## 3. Status

Displays the printer status as shown below.

### Available

Indicates the printer is available.

#### **Setup Completed**

Appears after performing network setup and clicking Set to close the window.

#### Not Connected

Indicates the printer is required to perform wireless LAN setup.

Performing/Changing Wireless LAN Settings

#### Not Set

Indicates the printer cannot be used on network. Specify an IP address or enable IPv6.

#### IP Address Overlap

Indicates the IP address is duplicated to another printer.

#### Unknown

Indicates the printer used in the past cannot be used currently.

### >>>> Note

• If **USB** is selected from the pulldown menu on the toolbar, nothing is displayed.

## 4. IP Address

Displays the printer IP address.

## >>>> Note

• If **USB** is selected from the pulldown menu on the toolbar, "-" is displayed for the interface (wireless/wired LAN) disabled on the printer setting.

#### 5. Location

Displays the printer location if it is registered.

### >>>> Note

• If USB is selected from the pulldown menu on the toolbar, nothing is displayed.

Assigning Printer Information

#### 6. Connection Method

Displays printer connection method (wired or wireless LAN).

#### >>>> Note

- If **USB** is selected from the pulldown menu on the toolbar, either of the LAN connection method (wired or wireless) available for the printer is displayed.
- If the printer supports both of the LAN connection methods, the printer is recognized as two printers and they are displayed separately.
- If the printer does not support wired LAN, wired LAN is not displayed.
- If you are using IJ Network Device Setup Utility on the computer which does not support wireless LAN, wireless LAN is not displayed.
- If you are using the printer with direct connection, neither wired LAN nor wireless LAN is displayed.

## 7. Setting Method

Displays printer setting method.

### • Auto

Appears if the printer is used by IP address specified automatically.

• Manual

Appears if the printer is used by IP address specified manually.

# >>>> Note

• If **USB** is selected from the pulldown menu on the toolbar, "-" is displayed for the interface (wireless/wired LAN) disabled on the printer setting.

## 8. MAC Address

Displays the MAC address of the detected printer.

# >>>> Note

• If **USB** is selected from the pulldown menu on the toolbar, "-" is displayed for the interface (wireless/wired LAN) disabled on the printer setting.

# 9. Device Name

Displays the printer device name if it is registered.

### Note Note

• If **USB** is selected from the pulldown menu on the toolbar, nothing is displayed.

Assigning Printer Information

## 10. IPv6

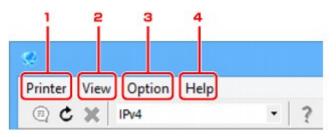
**On** appears when an IPv6 address is assigned for the printer.

## Note

• If **USB** is selected from the pulldown menu on the toolbar, "-" is displayed.

# Menus on IJ Network Device Setup Utility Screen

This section describes menus on IJ Network Device Setup Utility screen.



1. Printer menu

Printer Menu

2. View menu

View Menu

3. Option menu

Option Menu

4. Help menu

Help Menu

# Items on IJ Network Device Setup Utility Screen Toolbar

This section describes items on IJ Network Device Setup Utility Screen toolbar.

-				
Printer	View	Option	Help	
		IPv4		• [?
	3		4	5

1. Perform wired or wireless LAN setup.

# >>>> Note

• This item has the same function as <u>Protocol Settings...</u> in the **Printer** menu.

2. Redetects printers.

# >>>> Note

• This item has the same function as <u>Update</u> in the **View** menu.

3. Stops detecting printers.

# >>>> Note

- This item has the same function as <u>Cancel</u> in the **View** menu.
- 4. Switches the printer list. (IPv4, IPv6, or USB printers)

# >>>> Note

- This item has the same function as  $\underline{Switch \ IPv4/IPv6/USB}$  in the View menu.
- You can also display the USB connected printer list. (Not available for some models.) In this case, select **USB**.

# 5. Displays this guide.

# >>>> Note

• This item has the same function as <u>Online Manual</u> in the **Help** menu.

# **Performing Network Settings**

- Performing/Changing Wired LAN Settings
- Performing/Changing Wireless LAN Settings
- > Assigning Printer Information
- Initializing Network Settings
- > Changing Administrator Password
- > Setting Criteria for Printer Search/Searching Specific Printer
- **If WEP Details Screen Appears**
- If WPA/WPA2 Details Screen Appears

# **Performing/Changing Wired LAN Settings**

Follow the procedure below to perform/change wired LAN settings.

# >>>> Note

• For some models, you can perform network setup for a USB connected printer using IJ Network Device Setup Utility. Select **USB** on **Switch IPv4/IPv6/USB** under the **View** menu to display printers for which you can perform setup.

# 1. Start up IJ Network Device Setup Utility.

Detected printers are listed.

2. Select printer to perform/change settings from printer list.

Select the printer with **Wired LAN** displayed on **Connection Method** and the setting other than **Unknown** or **Setup Completed** displayed on **Status** to perform settings.

To perform setup for a USB connected printer, select **USB** from the pulldown menu on the toolbar and select the printer with **Wired LAN** displayed on **Connection Method**.

3. Select Protocol Settings... on Printer menu.

The Confirm Printer Password screen appears.

For more on the password, refer to Administrator Password.



Clicking the 
 icon allows you to perform/change settings.

4. Enter password and click OK.

The Protocol Settings screen appears.

5. Perform/change settings.

You can switch the screen between IPv4 and IPv6. Click the tab to switch the protocol.

IPv4 settings

Get IP address automatically		
IP Address:	172 . 18 . 1 . 146	
Subnet Mask:	305 . 388 . 268 . 4	
Default gateway:	170 × 15 × 1 × 1	

#### 1. Use IPv4 address

Always selected. (displayed in a gray out state)

#### 2. Get IP address automatically

Select this option to use an IP address automatically assigned by a DHCP server. DHCP server functionality must be enabled on your router.

#### 3. Use next IP address

Select this option if no DHCP server functionality is available in your setup where you use the printer, or you want to use a fixed IP address.

Enter the IP address, subnet mask, and default gateway.

### IPv6 settings

#### >>>> Note

• If **USB** is selected from the pulldown menu on the toolbar, you cannot perform IPv6 settings.

Jse IPv6 address		_
🗹 Use Stateless Address:		ור
		0
	1	≤ □
Use Manual Address:		_
IPv6 Address:		_
Prefix Length:	0	
Default Router Address:	11	
Prefix Length:	0	
Use DHCPv6:		ר
Stateful Address:		
Link-Local Address:	Additional and a second second	-

#### 1. Use IPv6 address

Select when you use the printer with IPv6 environment.

#### 2. Use Stateless Address:

Select when you use an IP address assigned automatically. Use a router compatible with IPv6.

## >>>> Note

• This setting item is not available depending on the printer you are using.

### 3. Use Manual Address:

Select this option if no DHCP server functionality is available in your setup where you use the printer, or you want to use a fixed IP address.

Enter the IP address and IP address prefix length.

## >>>> Note

• This setting item is not available depending on the printer you are using.

### 4. Use DHCPv6:

Select when you obtain an IP address using DHCPv6.

## Note

• This setting item is not available depending on the printer you are using.

6. Click Set.

# **Performing/Changing Wireless LAN Settings**

Follow the procedure below to perform/change wireless LAN settings.

# >>>> Important

• Enable cableless setup before performing printer setup. (Not required if you change the IP address.) For details, search for "NR049" on your printer's online manual and see the page shown.

# >>>> Note

- For some models, you can perform network setup for a USB connected printer using IJ Network Device Setup Utility. Select **USB** on **Switch IPv4/IPv6/USB** under the **View** menu to display printers.
- 1. Start up IJ Network Device Setup Utility.

Detected printers are listed.

2. Select printer to perform/change settings from printer list.

Select the printer with **Wireless LAN** displayed on **Connection Method** and the setting other than **Unknown** or **Setup Completed** displayed on **Status** to perform settings.

To perform setup for a USB connected printer, select **USB** from the pulldown menu on the toolbar and select the printer with **Wireless LAN** displayed on **Connection Method**.

3. Select Protocol Settings... on Printer menu.

The Confirm Printer Password screen appears.

For more on the password, refer to Administrator Password.

## >>>> Note

Clicking the icon allows you to perform/change settings.

4. Enter password and click OK.

The Protocol Settings screen appears.

5. Perform/change settings.

You can switch the screen between IPv4 and IPv6. Click the tab to switch the protocol.

IPv4/IPv6 settings

#### 1. Network Type:

Select the wireless LAN mode.

#### Infrastructure

Connects the printer to the wireless LAN with a wireless router.

#### Direct

Connects the printer to wireless communication devices without a wireless router.

### Note Note

• If Direct is selected, the Search... button is displayed in a gray out status.

In addition, you cannot connect to Internet from your computer depending on your operating environment.

#### 2. SSID:

The network identifier (SSID) of the wireless LAN currently used is displayed.

The identifier for direct connection (SSID) appears while in direct connection.

3. Search...

The **Detected Wireless Routers** screen is displayed to select a wireless router to connect to. For a wireless router already connected to the computer, **Available** is displayed on **Communication Status**.

If you select a wireless router with **Not Connected** on **Communication Status** from the list, clicking **Set** displays the WPA/WPA2 or WEP setting screen for a wireless router.

- If WEP Details Screen Appears
   If WPA/WPA2 Details Screen Appears
- 4. Encryption Method:

Displays the encryption method used over the wireless LAN.

IPv4 settings



• The setting items below are available only when **Infrastructure** is selected for **Network Type:**.

If **Direct** is selected, the setting items below are displayed in a gray out status.

Infrastructure			
Direct			
SSID:	Ministration Provident Pro	Search	<b></b>
Encryption Method:	US-STATUTE)	v	
4 IPv6			
Use IPv4 address			
a com allowed			
Get IP address autom     Use next IP address	IDCally		
IP Address:	170 . 18 . 1 .	144	
Subnet Mask:	1000 - 1000 - 1000 - 1		
Default gateway:	172 · 15 · E ·	1	

#### 1. Use IPv4 address

Always selected. (displayed in a gray out state)

#### 2. Get IP address automatically

Select this option to use an IP address automatically assigned by a DHCP server. DHCP server functionality must be enabled on your router.

#### 3. Use next IP address

Select this option if no DHCP server functionality is available in your setup where you use the printer, or you want to use a fixed IP address.

Enter the IP address, subnet mask, and default gateway.

IPv6 settings

## >>>> Note

- If **USB** is selected from the pulldown menu on the toolbar, you cannot perform IPv6 settings.
- The setting items below are available only when **Infrastructure** is selected for **Network Type:**.

If **Direct** is selected, the setting items below are displayed in a gray out status.

		ettings (Wireles			
vork Type:					L
Infrastructure Direct					L
SSID:	Mikidadar	and.	Sear	•	L
				20	L
Encryption Method:	109-2007/20	ag	¥		L
4 IPv6					L
					L
Use IPv6 address					Ť
Use Stateless Addre	95:				L
		:		^	÷
		:		*	L
Use Manual Address					L
IPv6 Address:					L
		0			
Prefix Length:					
Prefix Length: Default Router Addre	55:				
Default Router Addre	-55:				L
	55:	:: 0			l
Default Router Addre	155:				
Default Router Addre Prefix Length:					
Default Router Addre Prefix Length:	55:				

#### 1. Use IPv6 address

Select when you use the printer with IPv6 environment.

### 2. Use Stateless Address:

Select when you use an IP address assigned automatically. Use a router compatible with IPv6.

#### Note

• This setting item is not available depending on the printer you are using.

#### 3. Use Manual Address:

Select this option if no DHCP server functionality is available in your setup where you use the printer, or you want to use a fixed IP address.

Enter the IP address and IP address prefix length.

#### Note

• This setting item is not available depending on the printer you are using.

#### 4. Use DHCPv6:

Select when you obtain an IP address using DHCPv6.

#### >>>> Note

• This setting item is not available depending on the printer you are using.

### 6. Click Set.

# **Assigning Printer Information**

Follow the procedure below to assign/change printer location name or device name.

The names appear on Device Name: and Location: on the IJ Network Device Setup Utility screen.

## Note

• If **USB** is selected from the pulldown menu on the toolbar, this setting item is not available.

1. Start up IJ Network Device Setup Utility.

Detected printers are listed.

2. Select printer to assign location name and device name.

Select the printer with Available displayed on Status.

3. Select Detailed Printer Settings... on Printer menu.

The Confirm Printer Password screen appears.

For more on the password, refer to Administrator Password.

4. Enter password and click OK.

The Detailed Printer Settings screen appears.

5. Perform/change settings.



The setting items below are available.

1. Device Name:

Assigns the device name.

2. Location:

Assigns the location name.

6. Click Set.

# **Initializing Network Settings**

Follow the procedure below to initializing printer network settings.

1. Start up IJ Network Device Setup Utility.

Detected printers are listed.

2. Select printer to initialize settings.

Select the printer with  $\ensuremath{\textbf{Available}}$  displayed on  $\ensuremath{\textbf{Status}}.$ 

3. Select Reset LAN settings on Printer menu.

The **Confirm Printer Password** screen appears. For more on the password, refer to Administrator Password.

- 4. Enter password and click **OK**.
- 5. Click Yes on the displayed screen.
- 6. Click  $\mathbf{OK}$  on the displayed screen.

The printer network settings are initialized.

# **Changing Administrator Password**

Follow the procedure below to change the administrator password.

1. Start up IJ Network Device Setup Utility.

Detected printers are listed.

2. Select printer to change password.

Select the printer with Available displayed on Status.

3. Select Change Password... on Printer menu.

The Change Printer Password screen appears.

For more on the password, refer to Administrator Password.

Old Password:	
New Password:	
Confirm:	

- 4. Enter current password and new password.
- 5. Enter new password in **Confirm:** again.
- 6. Click OK.

The administrator password is updated.

# Setting Criteria for Printer Search/Searching Specific Printer

You can set the criteria for printer search when you start up IJ Network Device Setup Utility or update the printer search, or you can search the specific printer.

Changing these settings may detect the printer you want to use if it is not detected

## >>>> Note

- If the printer you want to use is not detected, it may be detected by entering IP address, subnet mask, or default gateway on the operation panel and search again.
- Setting Criteria for Printer Search
- Searching Specific Printer

# **Setting Criteria for Printer Search**

- 1. Start up IJ Network Device Setup Utility.
- 2. Select Search Settings... on Option menu.

The Search Settings screen appears.

3. Enter criteria for printer search.

		Search Settings	
Search Time:	10	* sec. (5-30)	
	This value	specifies the search processing time.	
Time out:	2	🔹 sec. (1-9)	Γ.
	This is the been deter	time-out value for not receiving a response from the printer after it ted.	has

1. Search Time:

Specifies the time to search printers.

2. Time out:

Specifies the timeout length for not receiving a response from printer.



- Printers you want to find are more likely to be detected as the values are larger, however, it may take a while to search them.
- 4. Click Set.

# **Searching Specific Printer**

1. Start up IJ Network Device Setup Utility.

## 2. Select Specified Searching... on Option menu.

The Specified Searching screen appears.

3. Select item to specify and enter value.

IPv4	Address				
◯ IPv6	Address				
OHost	Name				

#### 1. IPv4 Address

Specifies the IPv4 address of the printer you want to search.

#### 2. IPv6 Address

Specifies the IPv6 address of the printer you want to search.

### 3. Host Name

Specifies the host name of the printer you want to search.

## 4. Click Search.

IJ Network Device Setup Utility starts searching by the specified criteria and detected printers are listed.

# If WEP Details Screen Appears

Enter the password (passphrase) according to wireless router's encryption method if you change a wireless router to connect to the printer.

1. Enter items below when WEP Details screen appears.

D Kara		
P Key:		
Key Length:	1492	~
Key Format	ROCE	~
Key ID:	1	Ŷ

### 1. WEP Key:

Enter the same key as the one set to the wireless router.

The number of characters and character type that can be entered differ depending on the combination of the key length and key format.

		Key Length:	
		64bit	128bit
Key Format:	ASCII	5 characters	13 characters
	Hexadecimal ( <b>Hex</b> )	10 digits	26 digits

### 2. Key Length:

Select either 64bit or 128bit.

3. Key Format:

Select either **ASCII** or **Hex**.

4. Key ID:

Select the Key ID (index) set to the wireless router.

# 2. Click Set.



• If the printer cannot communicate with the computer after the encryption type of the printer was switched, make sure encryption types for the computer and the wireless router match that set to the printer.

# If WPA/WPA2 Details Screen Appears

Enter the password (passphrase) according to wireless router's encryption method if you change a wireless router to connect to the printer.

1. Enter passphrase when WPA/WPA2 Details screen appears.

Enter the passphrase set to the wireless router. The passphrase should be a string of 8 to 63 alphanumeric characters or a 64-digit hexadecimal value.

If you do not know the wireless router passphrase, refer to the instruction manual provided with the wireless router or contact its manufacturer.

4	WPA/WPA2	Details	
Passphrase:			
			1

# 2. Click Set.



• If the printer cannot communicate with the computer after the encryption type of the printer was switched, make sure encryption types for the computer and the wireless router match that set to the printer.

# **Checking Network Status**

- Checking Wireless Network Status
- > Displaying Computer Network Information
- Displaying Printer Network Information
- Checking Connection Status between Printer and Wireless Router
- > Checking Network Setting Difference

# **Checking Wireless Network Status**

Follow the procedure below to check the wireless network status (signal strength) between the printer and computer.

If anything is wrong with the wireless LAN connection, check the network status from this menu.

1. Start up IJ Network Device Setup Utility.

The detected printers are listed.

2. Select printer to check wireless network status from printer list.

Select the printer with Available displayed on Status.

3. Select Check Wireless Communication Status on Printer menu.

The Confirm Printer Password screen appears.

For more on the password, refer to Administrator Password.

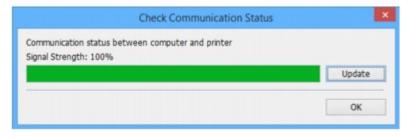
- 4. Enter password and click OK.
  - If the printer is connected to the computer with a wireless router:

The screen below appears.

Check Communication Status	
Communication status between printer and wireless router Signal Strength: 100%	
	Update
Communication status between computer and wireless router Signal Strength: 100%	
	Update
	ОК

• If the printer is connected to the computer using direct connection:

The screen below appears.



Clicking **Update** measures the signal strength again.

# **Displaying Computer Network Information**

Follow the procedure below to display the network information of the computer which the printer selected in the **IJ Network Device Setup Utility** screen connects to and on which IJ Network Device Setup Utility is installed.

- 1. Start up IJ Network Device Setup Utility.
- 2. Select Computer Network Information on View menu.

The screen below appears.

Computer Network Information	
Network Information	î
PC Info.	
P Configuration Info.           (8)Ethernet adapter           TO()P-P-H           (9)(PHCP Enabled           (10)P Address.           (11)Subnet Mask           (12)Orehuk Gateway           (13)Onto Servet           (13)Onto Servet           (14)Primary WDIS Servet           (15)Seconday WDIS Servet           (15)Seconday WDIS Servet           (15)Seconday WDIS Servet           (16)Manual Pv6 Address           (16)Statefue Bv6 Address           (15)Statefue Bv6 Address	
	Copy Info
	OK Heb

Clicking Copy Info copies all network information on the clipboard.

# **Displaying Printer Network Information**

Follow the procedure below to display the printer network information.

1. Start up IJ Network Device Setup Utility.

The detected printers are listed.

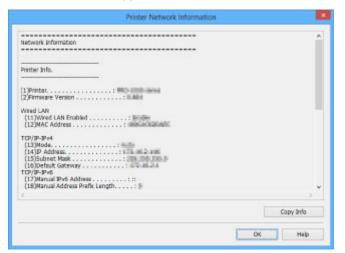
- Select printer to display network information from printer list.
   Select the printer with Available displayed on Status.
- 3. Select Printer Network Information on View menu.

The **Confirm Printer Password** screen appears.

For more on the password, refer to Administrator Password.

4. Enter password and click **OK**.

The screen below appears.



Clicking Copy Info copies all network information on the clipboard.

# **Checking Connection Status between Printer and Wireless Router**

Follow the procedure below to check the wireless router information detected by the printer.

Detects wireless routers around the printer and the detected ones are listed. Use this menu to make sure whether the printer is located properly.

1. Start up IJ Network Device Setup Utility.

The detected printers are listed.

2. Select printer to check connection status between printer and wireless router from printer list.

Select the printer with **Available** displayed on **Status** and **Wireless LAN** displayed on **Connection Method**.

3. Select Status of Printer and Wireless Router Connection on View menu.

The Confirm Printer Password screen appears.

For more on the password, refer to Administrator Password.

4. Enter password and click OK.

The screen below appears.

SSID	Channel	Communicatio	Signal Strength
NOTES N	1.	Dispersion	20
states and	11	Non-connects	10
-000 PENEL	14	Non-service	20
0.60710	-	Non-Services	UT .
OFFICIARY .		for preside	18
in sufficients	10	Not-School S-	14
Allermonter	L	for preside	
and designed	11	Non-conversion	P
Auton Per-	14	for preside	
- 1-12 (OH-10)	11	Non-Services	
		M 1.0	-

Clicking **Update** searches wireless routers again.

# **Checking Network Setting Difference**

If you cannot use a printer you used on the network before, compare the current network status with that when you could use the printer and check the difference.

1. Start up IJ Network Device Setup Utility.

The detected printers are listed.

- 2. Select printer with Unknown or Not Set displayed on Status from printer list.
- 3. Select Check Connection Status on View menu.

The screen below appears.

pmp	outer Connection			
	Item	Status	Previous Network Status	Current Network Status
1	Protocol	Match	(Free	214
2	IPv4 Address	Match	130.38643.98	130.388-43.59
3	Subnet Mask	Match	4.018.018.00.0	286,258,285,2
4	Default Gateway	Match	199.198-45.1	198.388-43.1
5	IPv6 Address	Match	http://doi.org/administration/	Indo-/NOE/Clig?.index.ad/2019.4
6	Connection Method	Match	margines (Arr	PROVINCE LAND
7	Wireless Router SSID	Match	SERVIC-Parameterility	2000C-hecket/failt
8	Wireless Router Standard	Match	888.10.5	885.31.5
9	Wireless Router Bandwidth	Match	3.404	2.404
10	Wireless Router Encryption Met	Match	Mark C	WARE
11	Wireless Router Channel	Match	3	3
12	Wireless Router Signal Strength	Mamatch	<b>H</b>	-
- 12	Wireless Network Type	Match	Infrastructure	Infestigation
13 rinte	er Connection			
		Status	Previous Network Status	Current Network Status
	er Connection	Status Mematch	Previous Network Status	
rinte	er Connection Item		Previous Network Status	
ninta	er Connection Item Protocol	Mematch	Previous Network Status	
ninta 1 2	er Connection Item Protocol IPv4 Address	Mamatch Mamatch	Previous Network Status	
nintx 1 2 3	er Connection Item Protocol IPv4 Address Subnet Mask	Mematch Mematch Mematch	Previous Network Status	
1 2 3 4 5 6	er Connection Item Protocol ISV4 Address Subnet Mask Default Gateway ISV6 Address Connection Method	Mematch Mematch Mematch Mematch Mematch Mematch	Previous Network Status	
1 2 3 4 5	er Connection Item Protocol Ev4 Address Subnet Mask Default Gateway Ev6 Address	Namatch Mamatch Mamatch Mamatch Mamatch	Previous Network Status grup 191, 194, 194 191, 194, 194 191, 194, 194 191, 194 194, 194 194 194, 194 194 194 194 194 194 194 194	
1 2 3 4 5 6 7 8	er Connection Tem Protocol Ev4 Address Subnet Mask Default Gateway Ev4 Address Connection Method Wireless Router SSID Wreless Router SSID	Mematch Mematch Mematch Mematch Mematch Mematch Mematch Mematch	Previous Network Status (%) 162.300403.400 162.300403.400 162.300403.1 162.300400.1 162.30040.	
ninto 1 2 3 4 5 6 7	er Connection  Tem  Protocol  Pv4 Address Subnet Mask Default Gateway IPv6 Address Connection Method Wireless Router Stall Wireless Router Standard Wireless Router Standard	Nematch Nematch Nematch Mematch Mematch Nematch Nematch Nematch Nematch	Previous Network Status give 14. Jahren - He 15. Jahren - He Helland - He Parentee LAN 15. Jahr 15.	
1 2 3 4 5 6 7 8	r Connection Item Protocol IPv4 Address Subnet Mask Default Gateway IPv6 Address Connection Method Wireless Router SSID Wireless Router SSID Wireless Router Bandwidth Wireless Router Encrypton Met	Mematch Mematch Mematch Mematch Mematch Mematch Mematch Mematch	Previous Network Status (%) 162.300403.400 162.300403.400 162.300403.1 162.300400.1 162.30040.	
ninto 1 2 3 4 5 6 7 8 9 10 11	er Connection  Item  Protocol  Subnet Mask Default Gateway Ev4 Address Connection Method Wireless Router SSID Wireless Router SSID Wireless Router Standard Wireless Router Encrybton Met Wreless Router Channel	Nematch Nematch Nematch Mematch Mematch Nematch Nematch Nematch Nematch	Previous Network Status give 14. Jahren - He 15. Jahren - He Helland - He Parentee LAN 15. Jahr 15.	
1 2 3 4 5 6 7 8 9 10	r Connection Item Protocol IPv4 Address Subnet Mask Default Gateway IPv6 Address Connection Method Wireless Router SSID Wireless Router SSID Wireless Router Bandwidth Wireless Router Encrypton Met	Mematch Mematch Mematch Mematch Mematch Mematch Mematch Mematch Mematch	Previous Network Status grav 1 M. Jak 43.46 1 M. Jak 43.46 1 M. Jak 43.1 1 Review 1.40 1 90007.40 (Activation BELIAN 2.4542	

If the network status when you used the printer is different from the current status, **Mismatch** appears on **Status** and the items are displayed in red. Check the red items.

# IJ Network Device Setup Utility Menus

- Printer Menu
- View Menu
- Option Menu
- Help Menu

# **Printer Menu**

This section describes the items displayed on the Printer menu.

8	
Printer View Option Help	
Protocol Settings	- 1
Detailed Printer Settings	- 2
Reset LAN settings	- 3
Change Password	- 4
Check Wireless Communication Status	- 5
Set up device by using web browser	- 6
Exit	- 7

## 1. Protocol Settings...

Performs wired or wireless LAN settings.

Performing/Changing Wired LAN Settings
 Performing/Changing Wireless LAN Settings

## 2. Detailed Printer Settings...

Assigns the printer device name and location name.

Assigning Printer Information

### 3. Reset LAN settings

Initializes the printer LAN settings.

Initializing Network Settings

### 4. Change Password...

Changes the password specified for the printer.

Changing Administrator Password

### 5. Check Wireless Communication Status

Check wireless LAN communication status.

Checking Wireless Network Status

## 6. Set up device by using web browser

Check the printer information or perform settings in detail on the web page.

# Note Note

• You can use this function on the following the OS and the web browser.

OS: Windows Vista SP2 or later

Web browser: Internet Explorer 9 or later, Google Chrome 41.0.2272.118m or later, Mozilla Firefox 37.0.1 or later

# 7. Exit

Finishes IJ Network Device Setup Utility.

# View Menu

This section describes the items displayed on the View menu.

Printer Vie	ew Option Help	
• C	Computer Network Information	
Product	Printer Network Information	-
2960	Status of Printer and Wireless Router Connection	_
	Check Connection Status	-
	Switch IPv4/IPv6/USB	
	Delete from List	-
	Cancel	-
	Update	

## 1. Computer Network Information

Check the computer network information.

Displaying Computer Network Information

### 2. Printer Network Information

Check the printer network information.

Displaying Printer Network Information

## 3. Status of Printer and Wireless Router Connection

Searches wireless routers and check the wireless router information (wireless channel, communication status, and signal strength) detected by the printer.

Checking Connection Status between Printer and Wireless Router

### 4. Check Connection Status

If you cannot use a printer you used on the network before, compare the current network status with that when you can use the printer and check the difference.

Checking Network Setting Difference

### 5. Switch IPv4/IPv6/USB

Switches the printer list between IPv4 printers and IPv6 printers. For some models, you can list USB connected printers.

## 6. Delete from List

Deletes the selected printer from the printer list.

## 7. Cancel

Cancels printer search.

# >>>> Note

• You can also cancel printer search by clicking the imes icon.

# 8. Update

Searches printers again.

# >>>> Note

- You can also search printers again by clicking the  ${\tt C}$  icon.

# **Option Menu**

This section describes the items displayed on the Option menu.

Printer View	Option	Help	
OCX	Sea	arch Settings)	_

# 1. Search Settings...

Specifies criteria for printer search.

Setting Criteria for Printer Search

# 2. Specified Searching...

Searches the printer by an IP address or host name.

Searching Specific Printer

# Help Menu

This section describes the items displayed on the Help menu.

e.	IJ Netw
Printer View Option	Help
🗇 🖒 💥 IPv4	Online Manual
Product Name Serial	Caution when Connecting to Wireless LAN
	Changing Wired/Wireless LAN Connections
	About

### 1. Online Manual

Displays this guide.

### 2. Caution when Connecting to Wireless LAN

Displays the caution message for wireless LAN connection.

### 3. Changing Wired/Wireless LAN Connections

Displays the message on changing LAN connection method (wired or wireless) for the selected printer.

### 4. About

Displays IJ Network Device Setup Utility version information.

# **Other Network Information**

- Technical Terms
- Restrictions
- Firewall

# **Technical Terms**

In this section, technical terms used in the manual are explained.

**A** B F K M R **S** W

Α

### Access point mode

The printer is used as an access point to connect external wireless communication devices (e.g. computers, smartphones, or tablets) in an environment where no access point (wireless router) is available. You can connect up to 5 devices to the printer using the access point mode (direct connection).

### • Ad-hoc

Client computer and printer setting where wireless communication occurs on a peer-to-peer basis, i.e., all clients in with the same SSID/network name communicate directly with each other. No wireless router is required. This printer does not support ad-hoc communication.

### Admin Password

Administrator password in IJ Network Device Setup Utility to restrict access to network users. It must be entered to access the printer and change printer settings.

### • AES

An encryption method. It is optional for WPA. Strong cryptographic algorithm adopted within U.S. government organizations for information processing.

### Authentication Method

The method that a wireless router uses to authenticate a printer through a wireless LAN. The methods are agreeable each other.

For WPA/WPA2, authentication method is PSK.

## В

### • Bonjour

A service built into Mac OS X operating system to detect the connectable devices on a network automatically.

# С

## Cableless setup

Specifies a wireless router settings using a device (e.g. smartphone) directly without using a wireless router.

## Channel

Frequency channel for wireless communication. In the infrastructure mode, the channel is automatically adjusted to match that set to the wireless router. This printer supports channels 1 to 13. (Channels 12 and 13 are not supported depending on the country or region of purchase.) Note that the number of channels that can be used for your wireless LAN varies depending on the region or country.

# D

## Default Gateway

A relay device to connect to another network such as a router or a computer.

## Default router address

A default IP address set for a router.

## DHCP server functionality

The router assigns an IP address automatically whenever the printer or the personal computer on a network starts up.

## • DHCPv6

A protocol to assign necessary information automatically when a computer connects to network. DHCPv6 can be used when IPv6 is enabled.

## Direct connection (Access point mode)

The printer is used as an access point to connect external wireless communication devices (e.g. computers, smartphones, or tablets) in an environment where no wireless router is available. You can connect up to 5 devices to the printer using the direct connection (access point mode).

## DNS server

A server that converts device names into IP addresses. When specifying IP addresses manually, specify the addresses of both a primary and a secondary server.

## F

### Firewall

It is a system that prevents an unlawful computer access in the network. To prevent, you can use the firewall function of a broadband router, the security software installed in the computer, or operation system for computer.

## Η

### • Host name

A name for a computer or printer on network so that it can be recognized easily. Single-byte alphanumeric characters are used generally.

### I

### • IEEE802.11b

International standard for wireless LAN using the 2.4 GHz frequency range with a throughput of up to 11 Mbps.

### • IEEE802.11g

International standard for wireless LAN using the 2.4 GHz frequency range with a throughput of up to 54 Mbps. Compatible with 802.11b.

### • IEEE802.11n

International standard for wireless LAN using the 2.4 GHz and 5 GHz frequency ranges. Even when using two or more antennas simultaneously or obtaining a bigger transfer rate than before by using multiple communication channels at the same time, the transmission speed may be influenced by the connected apparatus.

At the maximum transfer rate of 600 Mbps, it is possible to communicate with multiple computer terminals within a dozen or so metre radius.

Compatible with 802.11b and 802.11g.

#### Infrastructure

One of the wireless communication methods. Wireless communication devices (e.g. computer or printer) are connected to the network via a wireless router.

### • IP Address

A unique number with four parts separated by dots. Every network device that is connected to the Internet has an IP address. Example: 192.168.0.1

An IP address is usually assigned by a wireless router or a DHCP server of the router automatically.

#### • IPv4/IPv6

They are internetwork-layer protocol used on the internet. IPv4 uses 32-bit addresses and IPv6 uses 128-bit addresses.

### Κ

### • Key Format

Select either **ASCII** or **Hex** as the WEP key format. The character that can be used for the WEP key differs depending on the selected key formats.

### • ASCII

Specify with a 5 or 13-character string that can include alphanumeric and underscore "\_" characters. It is case-sensitive.

• Hex

Specify a 10-digit or 26-digit string that can contain hexadecimal (0 to 9, A to F, and a to f).

### Key Length

Length of the WEP key. Select either 64 bits or 128 bits. Longer key length allows you to set a more complex WEP key.

## L

### Link local address

An IP address generated automatically from a specific prefix (information of current network: fe80::) and an interface identifier generated from printer's MAC address.

### Link Quality

The status of the connection between the wireless router and the printer excluding noise (interference) is indicated with a value from 0 to 100%.

#### • LPR

A platform-independent printing protocol used in TCP/IP networks. It does not support bidirectional communication.

## Μ

### MAC Address

Also known as the physical address. A unique and permanent hardware identifier that is assigned to network devices by its manufacturer. MAC addresses are 48 bits long and are written as a hexadecimal number separated by colons, i.e., 11:22:33:44:55:66.

## 0

### Operation Status

Indicates the status on whether the printer can be used.

### Ρ

### Prefix length

The number of bits on the network part of an IP address. The number of bits is 8 bit to 24 bit for IPv4, and 64 bit for IPv6.

### Proxy server

A server that links a LAN-connected computer to the Internet. When using a proxy server, specify the address and the port number of the proxy server.

### • PSK

An encryption method employed by WPA/WPA2.

## R

### Router

A relay device to connect to another network.

# S

### Signal Strength

The strength of the signal received by the printer from the wireless router is indicated with a value from 0 to 100%.

### • SSID

Unique label for wireless LAN. It is often represented such as a network name or a wireless router name.

SSID distinguishes one wireless LAN from another to prevent interference.

The printer and all clients on a wireless LAN must use the same SSID in order to communicate with each other. The SSID can be up to 32 characters long, and is made up of alphanumeric characters. The SSID may also be referred to by its network name.

#### Stealth

In the stealth mode, a wireless router hides itself by not broadcasting its SSID. The client must specify the SSID set to the wireless router to detect it.

### Stateful address

An IPv6 address acquired from a DHCP server using DHCPv6.

#### Stateless address

A tentative IPv6 address generated automatically using a prefix included in RA (Router Advertisement) and a MAC address. An IPv6 address is generated in an environment where a DHCP server is not available.

### Subnet Mask

IP address has two components, the network address and the host address. Subnet Mask used to calculate the Subnet Mask address from the IP address. A Subnet Mask is usually assigned by a wireless router or a DHCP server of the router automatically.

Example:

IP Address: 192.168.127.123 Subnet Mask: 255.255.255.0 Subnet Mask Address: 192.168.127.0

# Т

## • TCP/IP

Suite of communications protocols used to connect hosts on the Internet or the LAN. This protocol allows different terminals to communicate with each other.

### • TKIP

An encryption protocol employed by WPA/WPA2.

# U

## • USB

Serial interface designed to enable you to "hot-swap" devices, i.e., by plugging and unplugging them without turning off the power.

## W

## • WCN (Windows Connect Now)

Users running Windows Vista or later can obtain the setting information directly via wireless network (WCN-NET).

### • WEP/WEP Key

An encryption method employed by IEEE 802.11. Shared security key used to encrypt and decrypt data sent over wireless networks. This printer supports key length of 64 bits or 128 bits, key format of ASCII code or Hexadecimal, and key number of 1 to 4.

### • Wi-Fi

International association that certifies interoperability of wireless LAN products based on the IEEE 802.11 specification.

This printer is a Wi-Fi authorized product.

### Wireless LAN

A network that, instead of being connected by physical wires, is connected by a wireless technology, such as Wi-Fi.

#### Wireless Router

A wireless transceiver or base station that receives information from wireless clients/the printer and rebroadcasts it. Required in an infrastructure network.

#### • WPA

Security framework announced by the Wi-Fi Alliance in October 2002. The security has been strengthened more than WEP.

### Authentication

WPA defines the following authentication methods: PSK that can be used without an authentication server, plus WPA-802.1x that do require an authentication server.

This printer supports WPA-PSK.

• Passphrase

This encrypted key is used to perform WPA-PSK authentication.

The passphrase should be a string of 8 to 63 alphanumeric characters or a 64-digit hexadecimal value.

### • WPA2

Security framework released by the Wi-Fi Alliance in September 2004 as a later version of WPA. Provides a stronger encryption mechanism through Advanced Encryption Standard (AES).

Authentication

WPA2 defines the following authentication methods: PSK that can be used without an authentication server, plus WPA2-802.1x that do require an authentication server.

This printer supports WPA2-PSK.

• Passphrase

This encrypted key is used to perform WPA2-PSK authentication.

The passphrase should be a string of 8 to 63 alphanumeric characters or a 64-digit hexadecimal value.

### WPS (Wi-Fi Protected Setup)

WPS is a standard for easy and secure establishment of a wireless network.

There are 2 primary methods used in the Wi-Fi Protected Setup:

PIN entry: a mandatory method of setup for all WPS certified devices

Push button configuration (PBC): an actual push button on the hardware or through a simulated push button in the software.

# Restrictions

If you use a printer over the wireless LAN, the printer may recognize nearby wireless systems, you should set a network key (WEP or WPA/WPA2) to the access point to encrypt wireless transmission. Wireless communication with a product that does not comply with the Wi-Fi standard cannot be guaranteed.

Connecting with too many computers may affect the printer performance, such as printing speed.

If you use a printer with direct connection, you cannot perform the following settings:

- Specifying an IP address manually
- Enabling/disabling IPv6

# Firewall

A firewall is a function of the security software installed in the computer or operation system for computer, and is a system that is designed to prevent unauthorized access to a network.

# **Precautions When Firewall Function is Enabled**

- A firewall function may limit communications between a printer and a computer. This may disable printer setup and communications.
- During the printer setup, you may be prompted to enable or disable communications, depending on the firewall function of the security software or operation system. If so, choose to enable communications.
- When using IJ Network Device Setup Utility, you may be prompted to enable or disable communications, depending on the firewall function of the security software. If so, choose to enable communications.
- If you cannot set up the printer, temporarily disable the firewall function of the security software or operation system.

## Important

• If you disabled the firewall function, disconnect your network from the Internet.

- Some applications (like the network configuration software) override firewall settings. Check the application's settings beforehand.
- If the printer you use is set to Get IP address automatically, the IP address changes every time the printer connects to the network. This may disable printer setup and communications, depending on the firewall settings. In this case, either change the firewall settings or assign a fixed IP address to the printer. An IP address can be set using IJ Network Device Setup Utility.
  - Performing/Changing Wired LAN Settings
  - Performing/Changing Wireless LAN Settings

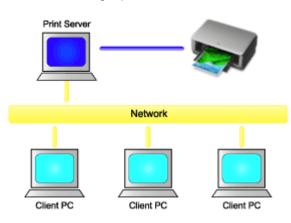
When assigning a fixed IP address to the printer, you will need to specify an IP address with which the computer can communicate.

## Note

• For the operation system firewall settings or the security software firewall settings, refer to the instruction manual of the computer or software, or contact its manufacturer.

# Sharing the Printer on a Network (Windows)

When computers are used in a network environment, documents can be printed from multiple computers that share a single printer.



Setting Up a Shared Printer

This section describes how to set up the print server and the client.

### >>>> Note

- The Windows versions of the computers connected to the network do not necessarily have to be the same.
- To set up the fax driver, use the same procedure.

# **Related Topic**

Restrictions on Printer Sharing

# Setting Up a Shared Printer

On the print server, set up sharing of the printer driver. Then from the client, set up the connection to the print server.

- 1. Install the printer driver on the print server system
- 2. Select as described below:
  - If you are using Windows 10, right-click the Start menu, and select Control Panel -> Hardware and Sound -> Devices and Printers.
  - The **Devices and Printers** window is displayed.
  - If you are using Windows 8.1, Windows 8, Windows Server 2012 R2, or Windows Server 2012, from the Desktop charms, select Settings -> Control Panel -> Hardware and Sound (Hardware)
     -> Devices and Printers.

The Devices and Printers window is displayed.

- If you are using Windows 7 or Windows Server 2008 R2, select the Start menu -> Control Panel > Hardware and Sound (Hardware) -> Devices and Printers. The Devices and Printers window is displayed.
- If you are using Windows Vista or Windows Server 2008, select the Start menu -> Control Panel > Hardware and Sound -> Printers. The Printers window is displayed.
- 3. Click the icon for the model name of printer to be shared
  - If you are using Windows 10, Windows 8.1, Windows 8, Windows 7, Windows Server 2012 R2, Windows Server 2012, or Windows Server 2008 R2, press the Alt key, and from the displayed File menu, select Printer properties -> Sharing tab.
  - If you are using Windows Vista, press the Alt key, and from the displayed **File** menu, select **Run as** administrator -> Sharing....
  - If you are using Windows Server 2008, select **Sharing...** from the **File** menu.

## >>>> Important

• When starting up the software and performing install or uninstall, a confirmation or warning dialog box may appear.

This dialog box appears when administrative rights are required to perform a task. When you are logged on to an administrator account, click **Yes** (or **Continue**, **Allow**) to continue. Some applications require an administrator account to continue. In such cases, switch to an administrator account, and restart the operation from the beginning.

4. Set sharing

On the **Sharing** tab, check (or select) **Share this printer**, set the shared name as necessary, and then click **OK**.

- 5. If the print server and the client have different architectures (32 bit or 64 bit), install an additional driver
  - 1. Display the Devices and Printers, Printers, or Printers and Faxes window.

- 2. Select as described below:
  - If you are using Windows 10, Windows 8.1, Windows 8, Windows 7, Windows Server 2012 R2, Windows Server 2012, or Windows Server 2008 R2, select the printer icon, click **Print server properties**, and select the **Drivers** tab.
  - If you are using Windows Vista, press the Alt key, and from the displayed **File** menu, select **Run as administrator** -> **Server Properties...**, and select the **Drivers** tab.
  - If you are using Windows Server 2008 from the **File** menu, open **Server Properties**, and select the **Drivers** tab.
- 3. Click **Add...**.
- 4. When the Add Printer Driver Wizard window is displayed, click Next.
- 5. If the print server has a 32-bit architecture, select **x64**. If the print server has a 64-bit architecture, select **x86**. Then click **Next**.
- 6. Click Have Disk .....
- 7. In the **Install From Disk** window, open the "Driver" folder of the downloaded printer driver, specify the "inf" file, and click **OK**.
- 8. Select the printer to be used, and click Next.

### >>>> Note

• If an error message is displayed, select the other printer.

9. Click Finish

The setup on the print server system is complete. Next, set up the client systems.

- 6. On the client, open Explorer, and double-click the icon of the printer to be shared
- 7. Follow the window instructions, and install the printer driver

The setup on the client system is complete.

Even when you perform the setup on a different client, follow the same steps 6 and 7.

# **Restrictions on Printer Sharing**

Canon imagePROGRAF Preview cannot be used when the XPS printer driver is used.

These are restrictions that apply when you are using a printer in a network environment. Check the restrictions for the environment you are using.

# Restriction on setting up printer sharing

- If "ntprint.inf" is requested when you install the driver from Add Printer, specify the file as follows:
  - Start Explorer on the print server and on the client with the different architecture, paste the following path in the address bar, and press Enter on the keyboard: %windir%\system32\driverstore\
  - 2. Right-click the FileRepository folder, and click Properties.
  - 3. On the Sharing tab, click Share.
  - 4. In the message window displayed on the print server, specify "ntprint.inf\_xxxxxxxx" in the folder that was shared in step 3, and click **OK**.

If there are multiples copies, select the file with the latest update date and time.

# Restrictions on sharing and using a printer

- A print completion message may be displayed. To disable the message display, follow the procedure below.
  - If you are using Windows 10, Windows 8.1, Windows 8, Windows Server 2012 R2, or Windows Server 2012:

In the **Devices and Printers** window of the client system, select the printer from **Printers**, and click **Print server properties** on the command bar.

Uncheck **Show informational notifications for network printers** on the **Advanced** tab, and then restart the computer.

• If you are using Windows 7 or Windows Server 2008 R2:

In the **Devices and Printers** window of the client system, select the printer from **Printers and Faxes**, and click **Print server properties** on the command bar.

Uncheck **Show informational notifications for network printers** on the **Advanced** tab, and then restart the computer.

• If you are using Windows Vista:

In the **Printers** window of the client system, press the Alt key, and from the displayed **File** menu, click **Run as administrator** -> **Server Properties...**.

Uncheck **Show informational notifications for network printers** on the **Advanced** tab, and then restart the computer.

• If you are using Windows Server 2008:

In the **Printers** window of the client system, click **Server Properties...** from the **File** menu. Uncheck **Show informational notifications for network printers** on the **Advanced** tab, and then restart the computer.

• The bi-directional communication function is disabled and the correct printer status may not be recognized.

If a client user opens the printer driver properties and then clicks **OK** with the **Enable bidirectional support** check box cleared on the **Ports** tab, the bidirectional communication function of the print

server may also be disabled.

In this case, check **Enable bidirectional support** check box on both the print server system and the client system.

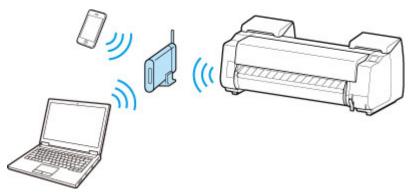
- When you print from a client system, the following functions cannot be used.
  - Canon imagePROGRAF Preview
  - Canon imagePROGRAF Free Layout
  - Edit from PosterArtist Lite
- When the functions on the **Maintenance** tab cannot be set properly from a client system, they may be grayed out. In this case, change the settings from the print server.

When you change the settings of the print server, you should delete the icon of the shared printer from the client system, and then specify the shared settings again in the client system.

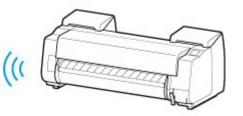
- If the same driver installed on the print server is also installed on the client, the network printer icon may be created automatically.
- If an error occurs when you print a document on a shared printer from a client, the error message of the Canon IJ status monitor is displayed on both the client and the print server. If a document is printed out normally, the Canon IJ status monitor is displayed only on the client.

# **Connecting Smartphone/Tablet to Printer via Wireless LAN**

- To connect a smartphone or tablet to printer via a wireless LAN router:
  - M Connecting Smartphone/Tablet to Printer via Wireless LAN Router



- To connect a smartphone or tablet to printer without a wireless LAN router:
  - Connecting Smartphone/Tablet to Printer Directly via Wireless LAN (Direct Connection)



# **Connecting Smartphone/Tablet to Printer via Wireless LAN Router**

You can connect devices (e.g. smartphone, or tablet) to the printer by two methods below.

- Wireless connection (connecting devices via a wireless router)
- Direct wireless connection (connecting devices using direct connection)

This section describes connection via a wireless LAN router.

Follow the procedure below to connect via a wireless router.

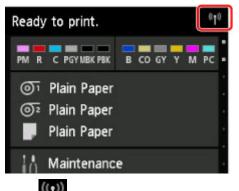
- 1. Check printer LAN setting.
- 2. Connect smartphone/tablet to printer.

#### >>>> Important

- The administrator password is required to change settings if it is enabled for changing settings using the operation panel.
- Check the usage restrictions and change the printer LAN setting.
  - Restrictions

## **Checking Printer LAN Setting**

Make sure the I icon is displayed on the upper right on the HOME screen.



If the icon is not displayed, follow the procedure below to enable wireless LAN and to connect the printer to the wireless router.

LAN settings.

- 1. Flick HOME screen and tap
  - Menu Operations
- 2. Tap Change LAN.
- 3. Tap Activate wireless LAN.

The printer wireless LAN is enabled and you can connect the wireless LAN you connected previously.

## **Connecting Smartphone/Tablet to Printer**

For Android device

For iOS device

- · For Android device
  - 1. Open "Settings" menu on your device.
  - 2. Enable "Wi-Fi".
  - 3. Select wireless router SSID you use from detected device list.



4. Enter wireless LAN router password.

Your device is connected to the printer.

- 5. Start printing from application.
- For iOS device
  - 1. Open "Settings" menu on your device.
  - 2. Enable "Wi-Fi".
  - 3. Select wireless router SSID you use from detected device list.



4. Enter wireless LAN router password.

Your device is connected to the printer.

5. Start printing from application.

# Adjustments for Better Print Quality

- Adjusting the Print Head
  - Adjusting the Print Head
  - Troubleshooting Paper Abrasion and Blurry Images

# Adjusting Feed Amount

- Adjusting Feed Amount
- Adjusting Vacuum Strength

# Adjusting the Print Head

- Adjusting the Print Head
- ➡ Troubleshooting Paper Abrasion and Blurry Images

# Adjusting the Print Head

If printed documents are affected by the following problems, try adjusting the print head.

Printing is faint or affected by banding in different colors
 Execute Print nozzle check pattern in the touch screen menu to check for print head nozzle clogging.

For instructions, see "Checking for Nozzle Clogging."

Printed vertical lines are warped or colors are out of alignment
 Execute **Print head alignment** in the touch screen menu to adjust the print head alignment.

Normally, execute **Auto (standard)** or **Auto (fine)**. However, when printing on special paper or if printing is not improved after **Auto (fine)**, try **Manual**.

- ➡ Automatic Adjustment to Straighten Lines and Colors
- Manual Adjustment to Straighten Lines and Colors
- Paper rubs against the print head, or image edges are blurred Setting **Paper Thickness (Head Height)** in the touch screen menu and changing the height of the print head may improve the situation.
  - Troubleshooting Paper Abrasion and Blurry Images

# Automatic Adjustment to Straighten Lines and Colors

If printed vertical lines are warped or colors are out of alignment, execute **Print head alignment** and adjust the print head alignment.

Choose from Auto (standard) or Auto (fine) for automatically adjusting the print head.

Minor warping and misaligned colors can usually be improved by executing **Auto (standard)**. If there is no improvement, perform **Auto (fine)**.

When you execute **Auto (standard)** or **Auto (fine)**, the adjustment pattern is printed, and the print head position is adjusted based on the printing result automatically.



## >>>>Important

- This function is not available with Tracing Paper, Translucent Matte Film, or Clear Film.
- If adjustment is not possible as expected using special paper, try another type of paper or try **Manual** adjustment.

Manual Adjustment to Straighten Lines and Colors

### >>>Note

- Because the results of adjustment vary depending on the type of paper used for adjustment, use the same type of paper as you will use for printing.
- To change the paper type or for more beautiful color borders, perform Auto (standard).
- To ensure clear quality and when replacing the print head, perform **Auto (fine)** to fine-tune the position between nozzles and colors.

To ensure high-quality printing, we recommend that you execute Auto (fine).

#### Items to Prepare

When Using Rolls	An unused roll at least 10.00 in (254.0 mm) wide
When Using Sheets	Auto (standard): Three sheets of unused paper, A4/Letter size or larger (or one sheet when using A2 or larger)
	Auto (fine): Five sheets of unused paper, A4/Letter size or larger (or one sheet when using A2 or larger)

Perform adjustment as follows.

- 1. Load paper.
  - ➡ Loading Rolls on the Roll Holder

- ➡ Loading the Upper Roll on the Printer
- ➡ Loading the Lower Roll on the Roll Unit (Option)
- Loading Sheets in the Printer

### >>>Important

• Always make sure the loaded paper matches the type of paper specified on the printer. Adjustment cannot be completed correctly unless the loaded paper matches the settings.

### 2. Flick Home screen and tap Maintenance.

### Touch Screen

The Maintenance screen appears.

### 3. Tap Print head alignment.

4. Select and tap Auto (standard) or Auto (fine).

A confirmation message appears.

5. Tap **Yes**.

The paper source setting screen appears.

6. Select and tap paper source with loaded paper.

A test pattern is printed for adjustment.

Adjustment is now finished if you have printed on a roll or a sheet of A2 size or larger.

7. If you are printing on sheets smaller than A2 size, a confirmation message is shown on the touch screen requesting that you continue printing.

Tap **OK** and follow the instructions on the touch screen.

# Manual Adjustment to Straighten Lines and Colors

If printed vertical lines are warped or colors are out of alignment, execute **Print head alignment** and adjust the print head alignment.

Normally, execute Auto (standard).

Automatic Adjustment to Straighten Lines and Colors

However, when printing on special paper or if printing is not improved after Auto (fine), try Manual.

Manual adjustment requires you to examine the printed test pattern and enter an adjustment value.



## >>>Note

• We recommend using the type of paper you use most often for adjustment.

#### Items to Prepare

•	
When Using Rolls	An unused roll at least 10.00 in (254.0 mm) wide
When Using Sheets	Three sheets of unused paper, A4/Letter size or larger (or one sheet when us- ing A2 or larger)

Perform adjustment as follows.

- 1. Load paper.
  - Loading Rolls on the Roll Holder
  - Loading the Upper Roll on the Printer
  - ➡ Loading the Lower Roll on the Roll Unit (Option)
  - ➡ Loading Sheets in the Printer

### >>>>Important

- Always make sure the loaded paper matches the type of paper specified on the printer. Adjustment cannot be completed correctly unless the loaded paper matches the settings.
- 2. Flick Home screen and tap Maintenance.

Touch Screen

The Maintenance screen appears.

- 3. Tap Print head alignment.
- 4. Tap Manual.

A confirmation message appears.

### >>>Note

• If you do not execute **Auto (fine)**, a confirmation message prompting you to execute **Auto (fine)** appears.

In this case, tap **Yes** and execute **Auto (fine)**.

5. Tap **Yes**.

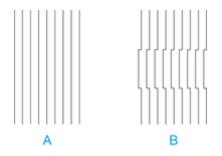
The paper source setting screen appears.

6. Select and tap paper source with loaded paper.

A test pattern is printed for adjustment.

### 7. Tap **D-1**.

8. Examine adjustment test pattern D-1 and determine the number with straight lines.



- A. Example with straight lines
- B. Example with misaligned lines

## >>>Note

• If two patterns seem equally good and you cannot decide which one is better, choose an intermediate value.

For example, choose 11 if you cannot decide whether pattern 10 or 12 is better.

- 9. Tap confirmed number.
- 10. Repeat steps 7–9 to specify adjustment value for D-2 to D-35.

Note that D-6, D-12, D-18, D-24, and D-30 cannot be configured.

#### 11. Tap OK.

The adjustment value is now registered, and adjustment is complete.

# **Troubleshooting Paper Abrasion and Blurry Images**

The print head height setting affects printing quality.

Specifying a low print head height makes images clearer and enhances printing quality but may cause paper to rub against the print head.

On the other hand, specifying a high print head height will prevent paper from rubbing against the print head but may reduce the printing quality.

### >>>Important

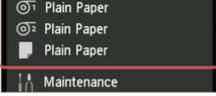
· Paper rubbing against or becoming caught on the print head may jam or result in printed documents that are soiled.

## >>>Note

- Raise or lower print head, depending on nature of the problem.
  - ➡ Paper rubs against the printhead
  - The edges of the paper are dirty
  - ➡ Image edges are blurred or white banding occurs
- 1. Tap paper setting display area on Home screen.

((†





The Paper settings screen appears.

2. Select paper source for setting height of print head and tap **Paper settings**.

The Paper settings screen appears.

#### 3. Tap Advanced.

The Advanced paper settings screen appears.

#### 4. Tap Paper Thickness (Head Height).

5. Select and tap setting value.

## >>>Note

• Using **Auto** will ensure that the printer adjusts the print head height to the optimal level before printing corresponding to the ambient temperature and humidity, and displays the setting value selected for the previous print job in **Values applied with auto settings**.

### Printer information

- When a setting other than Auto is used, that value will always be applied.
- Depending on the type of paper, some setting values may not be available.

# **Adjusting Feed Amount**

- Adjusting Feed Amount
- Adjusting Vacuum Strength

# **Adjusting Feed Amount**

- Selecting Feed Amount Adjustment Method
- > Automatic Banding Adjustment
- > Manual Banding Adjustment
- Fine-Tuning Paper Feed Amount
- Adjusting Line Length

# **Selecting Feed Amount Adjustment Method**

There are two methods of adjusting the paper feed amount, Prioritize print quality and Prioritize length accuracy, either of which will be applied during printing.

Since the method that is applied during printing is determined from the value of the **Set priority** setting, configure Set priority to match the print target.

Follow the procedure below to perform settings.

- 1. Load paper.
  - Loading Rolls on the Roll Holder
  - Loading the Upper Roll on the Printer
  - Loading Sheets in the Printer



Maintenance. 2. Flick HOME screen and tap

Menu Operations

- 3. Tap Paper feed adjustment.
- 4. Tap Set priority.
- 5. Tap paper to adjust.
- 6. Tap setting.

### **Prioritize print quality**

Adjusts the feed amount to reduce banding across the sheet in printed documents. Adjust print quality settings are applied. When Paper feed fine adjustment is executed, the Paper feed fine adjustment settings are applied in addition to the Adjust print quality settings.

### **Prioritize length accuracy**

Adjusts the feed amount for better accuracy of lines in printed documents.

Auto

Prioritize print quality will be selected when Print Target is set from the printer driver.

7. Tap **OK** on displayed screen.

# **Automatic Banding Adjustment**

If printed images are affected by banding in different colors across the sheet, execute **Adjust print quality** for automatic adjustment of the paper feed amount.

The printer prints and reads a test pattern for automatic adjustment of the feed amount.

## >>>> Important

• When using highly transparent media, use manual adjustment.

Manual Banding Adjustment

## >>>> Note

- We recommend executing the adjustment if you have changed the paper type or paper size.
- Always check the Set priority values.

Selecting Feed Amount Adjustment Method

- If additional fine-tuning is necessary, execute Paper feed fine adjustment.
  - Fine-Tuning Paper Feed Amount
- Use Adjust feed length to ensure that lines in CAD drawings are printed at exactly the right length.
  - Adjusting Line Length
- This may take some time, depending on the type of paper.

#### Items to Prepare

When Using Rolls	An unused roll at least 254.0 mm (10.00 in) wide
When Using Sheets	One sheet of unused paper of at least A4/Letter size

Follow the procedure below to adjust.

- 1. Load paper.
  - Loading Rolls on the Roll Holder
  - Loading the Upper Roll on the Printer
  - Loading Sheets in the Printer
- 2. Flick HOME screen and tap

Maintenance.

Menu Operations

- 3. Tap Paper feed adjustment.
- 4. Tap Adjust print quality.
- 5. Tap Auto.

# 6. Tap paper to adjust.

A test pattern is printed for adjustment and adjustment is finished.

# Manual Banding Adjustment

If printed images are affected by banding in different colors, execute **Adjust print quality** for adjustment of the paper feed amount.

Use manual adjustment with highly transparent media.

Manual adjustment requires you to enter an adjustment value after a test pattern is printed.

### >>>> Note

- We recommend executing the adjustment if you have changed the paper type or paper size.
- · Always check the Set priority values.

Selecting Feed Amount Adjustment Method

- If additional fine-tuning is necessary, execute Paper feed fine adjustment.
  - Fine-Tuning Paper Feed Amount
- Use Adjust feed length to ensure that lines in CAD drawings are printed at exactly the right length.

Adjusting Line Length

#### Items to Prepare

When Using Rolls	An unused roll at least 254.0 mm (10.00 in) wide
When Using Sheets	Two sheets of unused paper of at least A4/Letter size

Follow the procedure below to adjust.

- 1. Load paper.
  - Loading Rolls on the Roll Holder
  - Loading the Upper Roll on the Printer
  - Loading Sheets in the Printer

#### Important

- Always make sure the loaded paper matches the type of paper specified. Adjustment cannot be completed correctly unless the loaded paper matches the settings.
  - 18
- 2. Flick HOME screen and tap **Maintenance**.

Menu Operations

- 3. Tap Paper feed adjustment.
- 4. Tap Adjust print quality.
- 5. Tap Manual.
- 6. Tap paper to adjust.

Test pattern A is printed for manual adjustment.

### Note Note

• When printing on sheets, follow the instructions on the screen and remove the sheet.

7. Examine test pattern A for adjustment. Determine pattern in which banding is least noticeable.



## >>>> Note

- If banding seems least noticeable in two patterns but you cannot decide which one is better, choose an intermediate value. For example, choose 11 if you cannot decide whether pattern 10 or 12 is better.
- 8. Tap number you decided.

Test pattern B is printed for manual adjustment.



- If you printed test pattern A on a sheet, follow the instructions on the screen and use another sheet of the same type of paper. Additionally, after test pattern B is printed, follow the instructions on the screen and remove the sheet.
- 9. Examine test pattern B for adjustment. Determine pattern in which banding is least noticeable.
- 10. Tap number you decided.

The adjustment value is now registered, and adjustment is complete.

# **Fine-Tuning Paper Feed Amount**

If the contrast is uneven or banding in different colors appears at 30 mm (1.2 in) intervals in printed documents, try executing Paper feed fine adjustment during printing to fine-tune the feed amount.

### >>>> Note

· The Paper feed fine adjustment menu is only displayed during printing.

Additionally, it is displayed when you have selected Auto or Prioritize print quality in Set priority in Paper feed adjustment.

• Always execute Adjust print quality before Paper feed fine adjustment.

Once you execute Adjust print quality, the Paper feed fine adjustment value will revert to 0.

- Automatic Banding Adjustment
- Manual Banding Adjustment

Follow the procedure below to adjust.

1. Flick HOME screen and tap

Maintenance while printing is in progress.

Menu Operations

- 2. Tap Paper feed fine adjustment.
- 3. Tap value.

At this time, if banding in dark colors appears, select a setting value in the range 1 to 5, and if banding in light colors appears, select a setting value in the range -1 to -5.

# Adjusting Line Length

To ensure that lines in CAD drawings are printed at exactly the right length, use **Adjust feed length** to adjust the amount that paper is advanced.

There are two options in Adjust feed length : Print alignment pattern and Change adjustment values.

#### >>>> Note

- We recommend executing the adjustment if you have changed the paper type or paper size.
- Always check the Set priority values before adjustment.

Selecting Feed Amount Adjustment Method

#### Items to Prepare

When Using Rolls	<ul> <li>An unused roll at least 254.0 mm (10.00 in) wide</li> <li>High-precision ruler</li> </ul>
When Using Sheets	<ul><li>One sheet of unused paper of at least A4/Letter size</li><li>High-precision ruler</li></ul>

Follow the procedure below to adjust.

#### 1. Load paper.

- Loading Rolls on the Roll Holder
- Loading the Upper Roll on the Printer
- Loading Sheets in the Printer

#### Important

• Always make sure the loaded paper matches the type of paper specified. Adjustment cannot be completed correctly unless the loaded paper matches the settings.



2. Flick HOME screen and tap **Maintenance**.

Menu Operations

- 3. Tap Paper feed adjustment.
- 4. Tap Adjust feed length.
- 5. Tap Print alignment pattern or Change adjustment values.
  - If you tap Print alignment pattern:

The test pattern is printed for you to measure the scale and calculate the discrepancy.

The scale bar prints "Millimeter" in 50 mm increments and "Inch" in 1-inch increments.



• If you tap Change adjustment values:

No test pattern is printed. Instead, you will measure a document already printed to determine the discrepancy.

6. Tap amount of discrepancy.

If the scale is shorter than the actual size, use a positive setting value. If it is longer, use a negative value.

The feed amount can be adjusted in 0.02% increments.

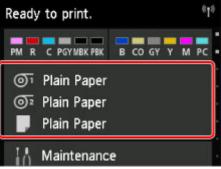
# **Adjusting Vacuum Strength**

When printing on heavyweight paper or paper that curls or wrinkles easily, if the print head rubs against paper, adjusting the level of suction against paper on the platen may improve results.

## >>>> Important

- Paper rubbing against or becoming caught on the print head may jam or result in printed documents that are soiled.
- 1. Flick HOME screen and tap paper information area.





- 2. Tap paper to change vacuum strength on **Paper settings** screen.
- 3. Tap Paper settings.
- 4. Tap Advanced.
- 5. Tap Transport unit vacuum strength.
- 6. Tap vacuum strength.

# **Color Management**

- Digital Photo Printing Guide
- Color Calibration
  - Managing Colors
  - Performing Color Calibration
  - Adjustment Types of Color Calibration
- > Device Management Console Guide

# **Color Calibration**

- Managing Colors
- ➡ Performing Color Calibration
- ➡ Adjustment Types of Color Calibration

## **Managing Colors**

Color management (color calibration) corrects for variations in color tones due to differences between printers and aging, and obtains continuously stable corrected color tones.

The color tones of this printer can be corrected by executing color calibration.

If you have multiple printers, you can make the color tones of the printers the same by executing color calibration on each of the printers.

### **Execute Color Calibration**

Executing color calibration improves color consistency by compensating for slight differences in how color appears due to individual variations or aging among the printers.

You can use the operation panel to enable or disable the color calibration adjustment values, view the calibration status, and configure notifications when color calibration needs to be executed.

You can also execute color calibration from Device Management Console.

See below for details.

- Device Management Console Guide(Windows)
- Device Management Console Guide(Mac OS)

#### **Checking When to Execute Color Calibration**

You can use the progress bar on the computer screen to determine when to execute color calibration.

Use Device Management Console to view when to execute color calibration.

See below for details.

- Device Management Console Guide(Windows)
- Device Management Console Guide(Mac OS)

#### **Centrally Managing Multiple Printers**

You can view the status of multiple network- and USB-connected printers.

You can also set up email notification if printer warnings or errors occur.

Use Device Management Console to manage the printers.

See below for details.

- Device Management Console Guide(Windows)
- Device Management Console Guide(Mac OS)

### **Using Paper Other Than Canon Genuine Paper**

To execute color calibration for paper other than Canon genuine paper, you must create and register dedicated media information.

To register this media information, use Media Configuration Tool.

See below for details.

- ➡ Media Configuration Tool Guide(Windows)
- ➡ Media Configuration Tool Guide(Mac OS)

## **Performing Color Calibration**

Color calibration improves color consistency by compensating for slight differences in how color appears when printing due to individual variations or aging among the printers.

Executing color calibration will print a test pattern (built into the printer) that is then read automatically by the printer.

By this operation, calibration adjustment values reflecting the print result of the test pattern are set automatically.

#### >>>Important

 To increase the color stability precision when executing color calibration, maintain a constant temperature and humidity environment each time within the range of temperatures of 59 to 86°F (15 to 30°C) and within the range of humidities of 40 to 60%.

Executing color calibration under various temperature and humidity conditions may prevent the printer from making the correct adjustments.

• Before color calibration, ensure the printer is not exposed to direct sunlight or other strong sources of light.

If the printer is exposed to strong sources of light, correct adjustment may not be possible.

#### **Recommend Timing for Color Calibration**

We recommend color calibration in the following situations.

- · After initial printer installation
- · After print head replacement
- If colors seem different from before, despite using the same printing environment, under the same conditions
- · To print with colors aligned from multiple printers
- · When the execution guide is displayed

### **Executing Color Calibration**

Execute color calibration using the following procedure.

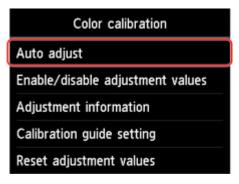
- 1. You can confirm whether the paper to be loaded can be used in color calibration.
  - ➡ Paper Information List
- 2. Load the paper.
  - Loading Rolls on the Roll Holder
  - Loading the Upper Roll on the Printer
  - ➡ Loading the Lower Roll on the Roll Unit (Option)
  - Loading Sheets in the Printer

3. Flick Home screen and tap Maintenance.

Touch Screen

The Maintenance screen appears.

- 4. Tap Color calibration.
- 5. Tap Auto adjust.



A confirmation message appears.

#### >>>Note

- For details about menu items other than Auto adjust, see "Other Menu Items."
- 6. Tap **Yes**.

The paper source setting screen appears.

7. Select and tap paper source with loaded paper.

After the paper is confirmed, and color calibration is executed, the calibration adjustment value is set automatically.

### **Other Menu Items**

#### · Enable/disable adjustment values

You can select whether to apply the calibration adjustment value when printing.

However, for settings that differ from the **Calibration Value** of the printer driver, the values specified in the printer driver take priority.

#### Adjustment information

You can confirm the color calibration adjustment date/time and the executed media type.

Adjustm	ent information
Adjustment da	te/time
	2015/10/10 01:23
Media type	
	Pro Platinum

#### Calibration guide setting

You can select whether to display a message asking to execute color calibration on the touch screen in the following situations.

- When a new print head has been installed
- When a certain amount of printing has been executed after color calibration is executed
- When the data of color calibration has been initialized

#### Reset adjustment values

Clear the color calibration adjustment value and the adjustment information.

## **Adjustment Types of Color Calibration**

## **Adjustment Types of Color Calibration**

Common calibration and unique calibration are the two adjustment types of color calibration.

One adjustment type is selected according to the media type that is used to execute color calibration.

#### Features

#### **Common Calibration**

When color calibration is executed for one type of Canon genuine paper, the color is adjusted for other paper.

You can use multiple media types easily in a short time because it is not necessary to execute color calibration on each media type.

#### **Unique Calibration**

Even when color calibration is executed, the color of other paper is not adjusted, so the color of other paper is not affected.

#### Note

• For details on whether or not color calibration can be executed and the adjustment types for various types of paper, see "Paper Information List."

#### Common Calibration

If color calibration is executed on a media type categorized as common calibration, new common calibration adjustment values are set.

Among the media type categorized as common calibration, newly set common calibration adjustment values are set for paper for which color calibration has not been performed.

The common calibration adjustment values apply to all print qualities.

#### >>>Note

• If the paper being used does not support color calibration, execute color calibration with paper categorized as common calibration in advance.

The new common calibration adjustment values even apply to the paper being used.

• If color calibration has been performed, the calibration adjustment values are already set.

The new common calibration adjustment values are not overwritten for this media type.

#### Unique Calibration

If color calibration is executed on a media type categorized as unique calibration, new unique calibration adjustment values are set.

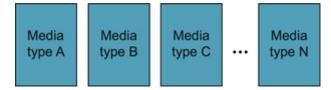
#### Note

• If color calibration is not executed even once using the paper categorized as unique calibration, executing common calibration overwrites the calibration adjustment values.

#### Example: When the following color calibration is executed with the default settings

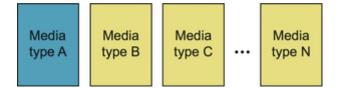
First time: Execute color calibration with media type A (categorized as common calibration)

All media types A to N: The calibration adjustment values of media type A are applied.



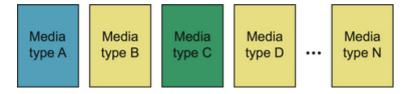
Second time: Execute color calibration with media type B (categorized as common calibration)

- Media type A: The calibration adjustment values of media type A applied the first time take priority.
- Media types B to N: The calibration adjustment values of media type B are applied.



Third time: Execute color calibration with media type C (categorized as unique calibration)

- Media type A: The calibration adjustment values of media type A applied the first time take priority.
- Media types B and D to N: The calibration adjustment values of media type B applied the second time take priority.
- Media type C: The calibration adjustment values of media type C are applied.



#### Note

• You can confirm the currently applied calibration adjustment date and the executed paper type with **Adjustment information** in **Color calibration** on the touch screen menu.

Performing Color Calibration

#### To Confirm the Paper Information Registered on the Printer

To print media information, select **Device settings > Paper-related settings > Print advanced paper settings** on the touch screen menu.

The following appears.

Display	Meaning
Calibration Ex- ec.	Supports color calibration
OK(Common)	Executes common calibration
OK(Unique)	Executes unique calibration
N/A	Color calibration cannot be executed
Calibration Adj. Value	Calibration application information (Executed date and paper name appear)

Canon xxxxxxxxxxxxxxxxxxxxx Pap.Detail Print

Calibration Exec.:OK(Common) Calibration Adj. Value: xxxx/xx/xx xxxxxxxx

## >>>Note

• You can check the media information with the Device Management Console or printer driver.

See below for details.

- ➡ Device Management Console Guide(Windows)
- ➡ Device Management Console Guide(Mac OS)
- Updating Media Information in Printer Driver(Windows)
- Confirm the Printer Paper Information(Mac OS)

## Maintenance and Consumables

- Ink Tanks
  - Ink Tanks
  - Replacing Ink Tanks
  - Checking Ink Tank Levels
  - When to Replace Ink Tanks

### Print Head

- Print Head
- Checking for Nozzle Clogging
- Cleaning the Print Head
- Replacing the Print Head

## Maintenance Cartridge

- Maintenance Cartridge
- Replacing the Maintenance Cartridge
- Checking the Remaining Maintenance Cartridge Capacity
- When to Replace the Maintenance Cartridge

### Cutter Blade

- Cutter Blade
- Replacing the Cutter Blade
- > Performing Maintenance Functions from Your Computer (Windows)
  - Cleaning the Print Heads
  - Printing a Nozzle Check Pattern
- > Performing Maintenance Functions from Your Computer (Mac OS)
  - Cleaning the Print Heads
  - Printing a Nozzle Check Pattern
  - Adjusting the Paper Feed Volume
- Cleaning the Printer

- Cleaning the Printer Exterior
- Cleaning Inside the Top Cover
- Cleaning the Roll Unit
- Cleaning the Print Head

## > Other Maintenance

- Preparing to Transfer the Printer
- Reinstalling the Printer
- Updating Firmware

# Ink Tanks

- ➡ Ink Tanks
- Replacing Ink Tanks
- Checking Ink Tank Levels
- ➡ When to Replace Ink Tanks

# Ink Tanks

When purchasing, check the Model number.

Shape	Colors	Model number	Ink Type	Capacity
	Matte Black	PFI-1100 MBK	Pigment ink	5.4 fl oz (160 ml)
	Photo Black	PFI-1100 PBK		
~	Cyan	PFI-1100 C		
	Magenta	PFI-1100 M		
	Yellow	PFI-1100 Y		
	Photo Cyan	PFI-1100 PC		
	Photo Magenta	PFI-1100 PM		
	Gray	PFI-1100 GY		
	Photo Gray	PFI-1100 PGY		
	Red	PFI-1100 R		
	Blue	PFI-1100 B		
	Chroma Opti- mizer	PFI-1100 CO		
	Matte Black	PFI-1300 MBK	•	11.2 fl oz (330 ml)
	Photo Black	PFI-1300 PBK		
	Cyan	PFI-1300 C		
	Magenta	PFI-1300 M		
	Yellow	PFI-1300 Y		
	Photo Cyan	PFI-1300 PC		
	Photo Magenta	PFI-1300 PM		
	Gray	PFI-1300 GY		
	Photo Gray	PFI-1300 PGY		
	Red	PFI-1300 R		
	Blue	PFI-1300 B		
	Chroma Opti- mizer	PFI-1300 CO		

Shape	Colors	Model number	Ink Type	Capacity
	Matte Black	PFI-1700 MBK	Pigment ink	23.7 fl oz (700 ml)
	Photo Black	PFI-1700 PBK		
	Cyan	PFI-1700 C		
622	Magenta	PFI-1700 M		
	Yellow	PFI-1700 Y		
	Photo Cyan	PFI-1700 PC		
	Photo Magenta	PFI-1700 PM		
	Gray	PFI-1700 GY		
	Photo Gray	PFI-1700 PGY		
	Red	PFI-1700 R		
	Blue	PFI-1700 B		
	Chroma Opti- mizer	PFI-1700 CO		

### >>>Note

• For instructions on replacing the ink tanks, see "Replacing Ink Tanks."

## **Replacing Ink Tanks**

### **Compatible Ink Tanks**

For details on compatible ink tanks, see "Ink Tanks."

You can replace ink tanks in 5.4 fl oz (160 ml), 11.2 fl oz (330 ml), and 23.7 fl oz (700 ml) capacities.

#### >>>Note

• Depending on the color, you can also use an ink tank with a different capacity.

### **Precautions When Handling Ink Tanks**

Take the following precautions when handling ink tanks.

# Caution

- For safety, keep ink tanks out of the reach of children.
- If ink is accidentally ingested, contact a physician immediately.

#### >>>Important

- There may be ink around the ink holes of an ink tank you removed. Handle the ink tanks carefully during replacement. The ink may stain clothing.
- Do not install ink tanks used in this printer in another model of printer.

This will prevent correct ink level detection, which may damage the printer or cause other problems.

- We recommend using up an ink tank in the course of printing within six months after breaking the seal. Printing quality may be affected if you use older ink tanks.
- Do not leave the printer without ink tanks installed for extended periods (a month or more). Residual ink may become clogged inside the printer and affect printing quality.

#### How to replace an ink tank

If a message indicates you should replace an ink tank, check the message details and go to step 2.

- 1. Selecting Ink Tank Replacement from menu
- 2. Removing Ink Tanks
  - Removing ink tank (5.4 fl oz (160 ml) / 11.2 fl oz (330 ml))
  - Removing ink tank (23.7 fl oz (700 ml))
- 3. Loading New Ink Tanks
  - Loading ink tank (5.4 fl oz (160 ml) / 11.2 fl oz (330 ml))
  - Loading ink tank (23.7 fl oz (700 ml))

#### >>>Important

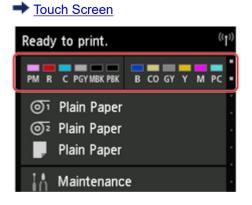
• Do not remove an ink tank during initialization immediately after turning on the printer, or during print head cleaning. Ink may leak out.

#### >>>Note

• Ink tank replacement is possible even during printing, when print jobs are being canceled, or when paper is being advanced.

## Selecting Ink Tank Replacement from menu

1. Tap ink display area on Home screen.



The Current estimated ink levels screen appears.

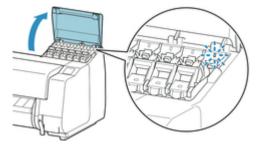
2. Tap Replace.

Instructions appear on the touch screen.

## Removing ink tank (5.4 fl oz (160 ml) / 11.2 fl oz (330 ml))

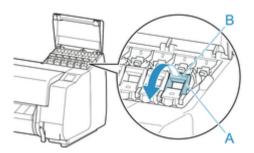
1. Open the ink tank cover of the ink tank you are replacing and check the ink lamp.

The ink lamp flashes if there is no ink left.

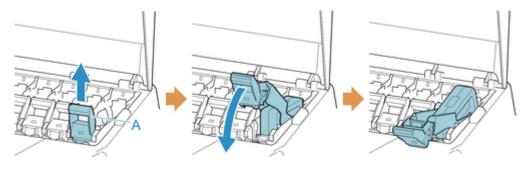


#### >>>Important

- Avoid jarring the printer a lot when replacing an ink tank. Handle the printer gently when replacing tanks.
- 2. Pull forward handle part (A) of ink tank lock lever of color to replace while pressing button at B.

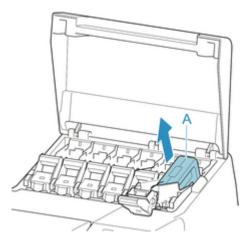


3. Lift ink tank lock lever until it stops, and then push it down toward front.



#### >>>Note

- Check that the ink tank lock lever does not return.
- 4. Remove ink tank by grips (A), and then tap **OK**.



#### >>>Important

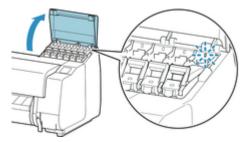
• Store the removed ink tank with ink remaining with the ink holes (A) facing up. Otherwise, ink may leak and cause stains. Put the removed ink tank in a plastic bag and close the bag.



## Removing ink tank (23.7 fl oz (700 ml))

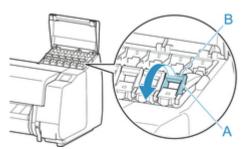
1. Open the ink tank cover of the ink tank you are replacing and check the ink lamp.

The ink lamp flashes if there is no ink left.

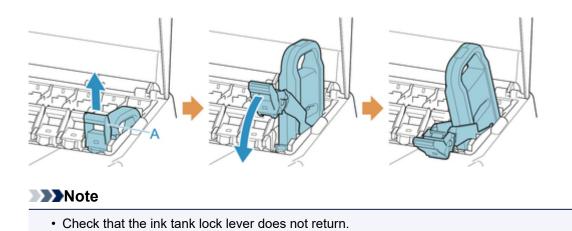


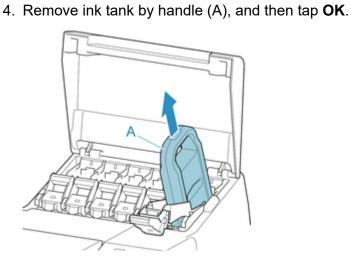
### >>>>Important

- Avoid jarring the printer a lot when replacing an ink tank. Handle the printer gently when replacing tanks.
- 2. Pull forward handle part (A) of ink tank lock lever of color to replace while pressing button at B.



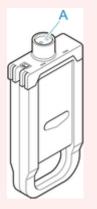
3. Lift ink tank lock lever until it stops, and then push it down toward front.





#### >>>Important

• Store the removed ink tank with ink remaining in the box with the ink holes (A) facing up. Otherwise, ink may leak and cause stains.

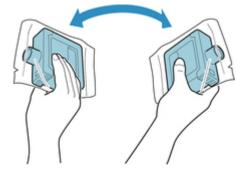


### >>>Note

• Dispose of the used ink tank in accordance with local regulations.

## Loading ink tank (5.4 fl oz (160 ml) / 11.2 fl oz (330 ml))

1. Before opening the pouch, tilt the ink tank to the left and right gently seven or eight times.

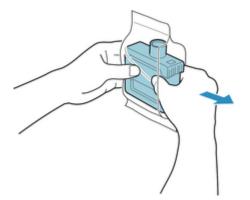


## >>>>Important

- Do not remove and agitate an ink tank that has already been installed in the printer. Ink may leak out.
- Failure to agitate the ink tank may cause the ink components to precipitate and may affect printing quality.

## >>>Note

- If the ink tank is at a low temperature, allow it to warm up to room temperature before installing.
- 2. Open the pouch and remove the ink tank.





• Never touch the ink holes (A) or the metal contacts (B). This may cause stains, damage the ink tank, and affect printing quality.



- Avoid dropping the ink tank after removing it from the pouch. Otherwise, ink may leak and cause stains.
- 3. Tap **OK** and insert ink tank into holder with ink holes down and metal contacts at rear.

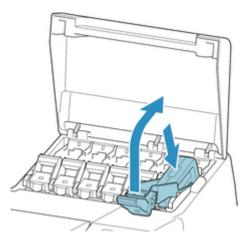


### >>>Important

• An ink tank cannot be loaded in the holder if the color or orientation is incorrect.

If the ink tank does not fit in the holder, do not force it into the holder. Reinstall while checking the label color display, ink tank color, and ink tank orientation.

4. Lift up ink tank lock lever, and then push it down.



5. Push handle part of ink tank lock lever firmly all the way in.

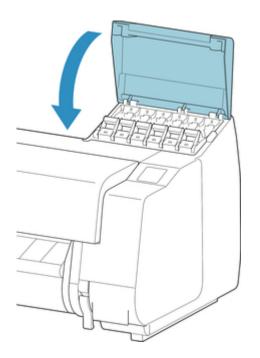


6. Make sure ink lamp indicator is lit.



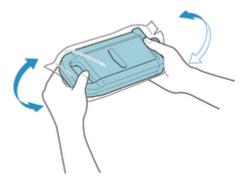
## >>>Note

- If the ink lamp is not lit, reload the tank.
- 7. Close ink tank cover.



## Loading ink tank (23.7 fl oz (700 ml))

1. Before opening the pouch, hold the new ink tank with both hands and tilt it to the left and right as shown, shaking it gently seven or eight times.



# 

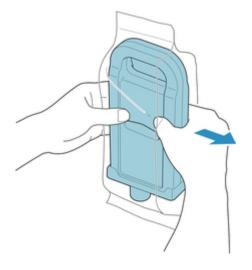
• A 23.7 fl oz (700 ml) ink tank is heavy, so use your whole arm to agitate it instead of just your wrist. If you agitate the ink tank using just your wrist, you may injure your wrist.

### >>>Important

- Do not remove and agitate an ink tank that has already been installed in the printer. Ink may leak out.
- Failure to agitate the ink tank may cause the ink components to precipitate and may affect printing quality.

## >>>Note

- If the ink tank is at a low temperature, allow it to warm up to room temperature before installing.
- 2. Open the pouch and remove the ink tank.

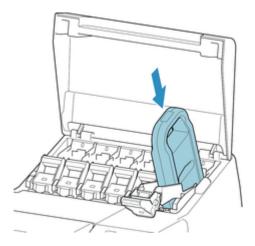


#### >>>Important

• Never touch the ink holes (A) or the metal contacts (B). This may cause stains, damage the ink tank, and affect printing quality.



- Avoid dropping the ink tank after removing it from the pouch. Otherwise, ink may leak and cause stains.
- 3. Tap **OK** and insert ink tank into holder with ink holes down and metal contacts at rear.



#### >>>Important

• An ink tank cannot be loaded in the holder if the color or orientation is incorrect.

If the ink tank does not fit in the holder, do not force it into the holder. Reinstall while checking the label color display, ink tank color, and ink tank orientation.

4. Lift up ink tank lock lever, and then push it down.



5. Push handle part of ink tank lock lever firmly all the way in.

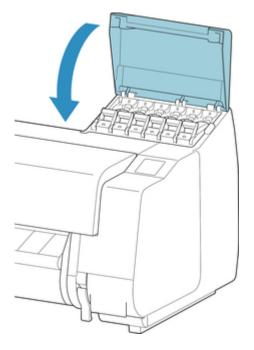


6. Make sure ink lamp indicator is lit.



## >>>Note

- If the ink lamp is not lit, reload the tank.
- 7. Close ink tank cover.



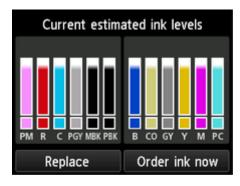
# **Checking Ink Tank Levels**

On the touch screen, you can check how much ink is left in the ink tank.

1. Tap ink display area on Home screen.



The Current estimated ink levels screen appears.



If ink is low, \rm If appears; if no ink is left, 😵 appears; if you have deactivated ink level detection, 😨 appears.

The remaining ink level is indicated as shown below.



If the touch screen indicates to replace the ink tank, replace the ink tank. If a message is displayed indicating to check the remaining ink levels, or after tasks that consume a lot of ink such as large-format printing or head cleaning, check the remaining levels and replace ink tank as needed.

Replacing Ink Tanks

## >>>>Note

• Tap **Order ink now** to view the ink supplier information.

## When to Replace Ink Tanks

Replace or prepare to replace ink tanks in the following situations.

#### If Ink Confirmation Message Appears on touch screen

If ink is low, the **Status** lamp lights orange and a notification message will appear on the touch screen. You can continue to print, but prepare the ink tanks.

Checking Ink Tank Levels

#### Before print jobs and maintenance that consume a lot of ink

If little ink is left, there may not be enough for large-format printing, head cleaning, and maintenance, which require a lot of ink. Replace or prepare to replace the ink tanks in the following situations.

#### If Message for Ink Replacement Appears on touch screen

When the ink runs out, the **Status** lamp flashes orange, a message regarding ink tanks replacement appears on the touch screen, and printing is disabled. Replace the ink tank.

# **Print Head**

- ➡ Print Head
- Checking for Nozzle Clogging
- Cleaning the Print Head
- ➡ <u>Replacing the Print Head</u>

# **Print Head**

When purchasing, check the Model number.

Shape	Model number
	PF-10
000000	

### >>>Note

• For instructions on replacing the print head, see "<u>Replacing the Print Head</u>."

# **Checking for Nozzle Clogging**

If printing is faint or affected by banding in different colors, make sure the print head nozzles are clear by printing a test pattern to check the nozzles.

## >>>Note

- By default, nozzles are checked at fixed intervals.
  - ➡ <u>Auto maintenance settings</u>

#### Paper to Prepare

When Using Rolls	An unused roll at least 10.00 in (254.0 mm) wide
When Using Sheets	One sheet of unused paper of at least A4/Letter size

- 1. Load paper.
  - ➡ Loading Rolls on the Roll Holder
  - ➡ Loading the Upper Roll on the Printer
  - ➡ Loading the Lower Roll on the Roll Unit (Option)
  - Loading Sheets in the Printer

#### 2. Flick Home screen and tap Maintenance.

➡ <u>Touch Screen</u>

The Maintenance screen appears.

#### 3. Tap Print nozzle check pattern.

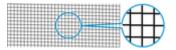
A confirmation message appears.

#### 4. Tap **Yes**.

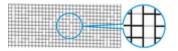
The printer now prints a test pattern for checking the nozzles.

5. Check the printing results.

If the horizontal lines are not faint or incomplete, the nozzles are clear.

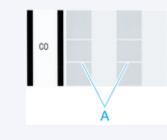


If some sections of the horizontal lines are faint or incomplete, the nozzles for those colors are clogged.



### >>>Note

• Because CO has no color, printing is performed on top of the black pattern. Check if the dark gray areas have lines (A) in the CO pattern.



If horizontal lines are faint or incomplete, execute print head cleaning.

Cleaning the Print Head

# **Cleaning the Print Head**

If printing is faint, cleaning the print head may improve results.

Choose one of three print head cleaning modes (**Cleaning**, **Deep cleaning**, or **System cleaning**), depending on the problem to resolve.

Cleaning

Use this mode if printing is faint or contains foreign substances. This method of cleaning consumes the least amount of ink.

It takes about 8 minutes.

Deep cleaning

Use this mode if no ink is ejected at all or if **Cleaning** does not solve the problem.

It takes about 8 or 9 minutes.

System cleaning

Use this if printing is not improved after **Deep cleaning**. **System cleaning** consumes a very large amount of ink. Performing this frequently consumes the ink faster. Perform this only when needed.

It takes about 10 minutes.

#### >>>Important

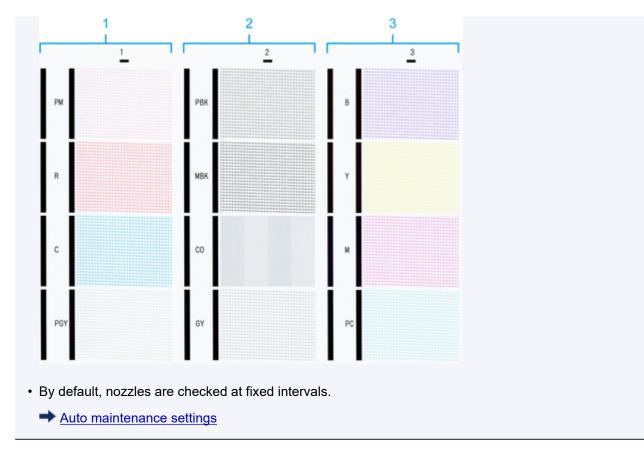
• Do not remove the maintenance cartridge or ink tanks during **Cleaning**, **Deep cleaning**, or **System cleaning**.

Ink may leak or an error may occur.

• If printing is not improved after **System cleaning**, the print head may be at the end of its service life. Contact your Canon dealer for assistance.

### >>>Note

• Check the nozzle check pattern and select an ink group for which to perform cleaning as needed. You can clean all print head or select pattern 1, 2, or 3 to clean the print head with a clogged nozzle.



Perform cleaning as follows.

- 1. Flick Home screen and tap Maintenance.
  - Touch Screen

The Maintenance screen appears.

- 2. Tap Print head cleaning.
- 3. Select and tap Cleaning, Deep cleaning, or System cleaning.
- 4. Select and tap the ink group to be cleaned.
  - All colors
  - Pattern 1:PM/R/C/PGY
  - Pattern 2:PBK/MBK/CO/GY
  - Pattern 3:B/Y/M/PC

A confirmation message appears.

5. Tap **Yes**.

Head cleaning is now executed.

6. Print a test pattern to check the nozzles and determine whether cleaning has cleared the nozzles.

<u>Checking for Nozzle Clogging</u>

# **Replacing the Print Head**

If the touch screen indicates to replace the print head or if instructed to do so by your Canon dealer, replace the print head.

### **Compatible print head**

For details on compatible print head, see "Print Head."

### **Precautions When Handling print head**

Take the following precautions when handling the print head.

# Caution

- For safety, keep print head out of the reach of children.
- · If ink is accidentally ingested, contact a physician immediately.
- Do not touch the print head immediately after printing. The print head becomes extremely hot, and there is a risk of burns.

### >>>Important

- There may be ink around the nozzles of the print head you remove. Handle the print head carefully during replacement. The ink may stain clothing.
- Do not open the print head pouch until immediately before installation. After removing the print head from the pouch, install it right away. If the print head is left as is after the pouch is opened, the nozzles may dry out, which may affect printing quality.

### Selecting Menu for print head Replacement

# A Caution

• When replacing the print head immediately after printing, wait a few minutes before replacing it. The metal parts of the print head become hot during printing, and there is a risk of burns from touching these parts.

### >>>>Important

• Your hands may become dirty during print head replacement. Use the gloves provided in the box with the new print head for replacement.

### >>>Note

- Prepare a new ink tank when ink levels are low.
- Prepare a new maintenance cartridge when the remaining capacity of the maintenance cartridge is low.

- 1. Remove any paper that has been fed.
  - When using a roll, rewind it.
    - Removing the Upper Roll from the Printer
    - Removing the Lower Roll from the Roll Unit (Option)
  - When using sheets, remove the sheet.
    - Removing Sheets
- 2. Clean inside top cover.
  - ➡ <u>Cleaning Inside the Top Cover</u>
- 3. Flick Home screen and tap Maintenance.
  - ➡ <u>Touch Screen</u>

The Maintenance screen appears.

#### 4. Tap Head replacement.

A confirmation message appears.

5. Tap **Yes**.

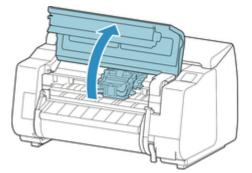
Ink begins being drawn in. When it finishes, instructions are displayed on the touch screen.

It takes about 5-6 minutes for ink to be drawn into the system.

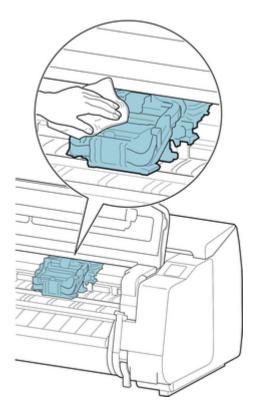
### **Replacing print head**

1. Open top cover.

The print head replacement procedure appears on the touch screen.

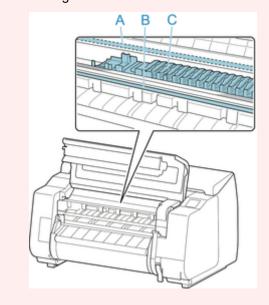


2. If the print head locking cover and print head lock lever are dirty, use a damp cloth that you have wrung out completely to wipe them clean.



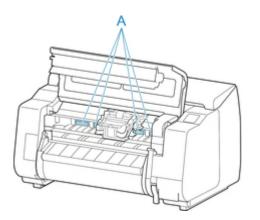
### >>>Important

• Never touch the linear scale (A), carriage shaft (B), or ink tube stabilizer (C). Touching may damage them.

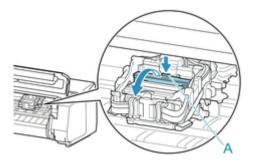


3. If ventilation duct (A) is dirty, use damp cloth that you have wrung out completely to wipe it clean.

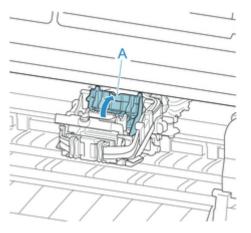
If the Carriage is obscuring the ventilation duct, move the Carriage manually before cleaning the duct.



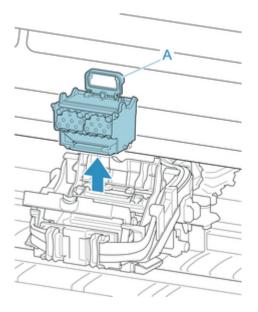
4. While pressing button (A) in center of print head lock lever, pull it forward to open it until it stops.



5. Holding grip (A), open print head locking cover until it stops.



6. Remove print head by blue handle (A), and then tap  ${\bf OK}.$ 



### >>>Important

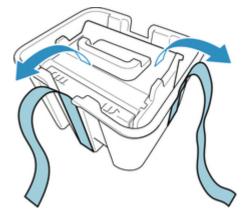
• Never touch the metal contacts of the Carriage. Furthermore, do not allow any dirt or debris to become adhered to the metal contacts of the Carriage. These may damage the printer.

### >>>Note

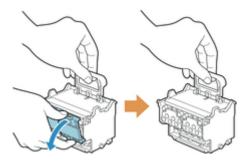
- Dispose of the used print head in accordance with local regulations.
- 7. Remove print head that was in case from pouch.



8. Remove tape used to secure print head.



9. Lift print head by blue handle and remove orange protective cap (2).

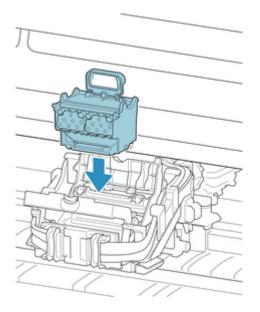


### >>>Important

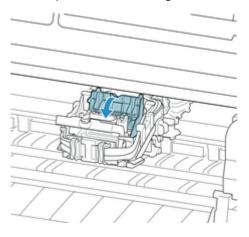
- Always carry the print head by the blue handle. Never touch the nozzle (A) or metal contacts (B). This may damage the print head and affect printing quality.
- Never touch the ink holes (C). This may affect printing quality.



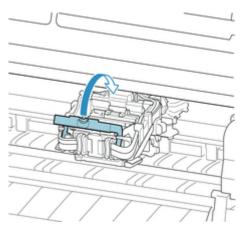
- The inside surface of the protective cap is coated with ink to protect the nozzle. Be careful not to touch these surfaces when removing the caps.
- The print head contains ink to protect the nozzle. We recommend removing the protective cap as you hold it over the print head case or safely out of the way to avoid spilling ink and staining your clothes or the surrounding area. If ink accidentally spills, wipe off the ink with a dry cloth.
- If you need to put a print head somewhere temporarily before installation, return it to the case in the same orientation. If placed face down, the nozzle or metal contacts may become damaged, which may affect the printing quality.
- Do not reattach the removed protective cap. Dispose of these materials in accordance with local regulations.
- 10. Carefully push print head firmly in, ensuring that nozzle, metal contacts, and ink holes do not touch Carriage.



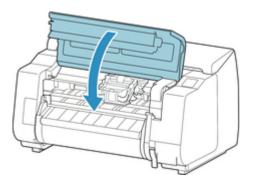
11. Lower print head locking cover to front and lock print head.



12. Lower print head lock lever toward the back until it clicks.



13. Close top cover.



Ink now fills the system. It takes about 18 or 19 minutes.

### >>>Important

• While ink is being filled, definitely do not remove the ink tank or maintenance cartridge. Ink may leak out.

### >>>Note

• Print head position adjustment is executed when Print pattern after new head is set to ON.

Follow the instructions on the touch screen to load paper.

➡ <u>Auto maintenance settings</u>

# Maintenance Cartridge

- ➡ <u>Maintenance Cartridge</u>
- Replacing the Maintenance Cartridge
- <u>Checking the Remaining Maintenance Cartridge Capacity</u>
- ➡ When to Replace the Maintenance Cartridge

# Maintenance Cartridge

When purchasing, check the Model number.

Shape	Model number
	MC-30

### >>>Note

• For instructions on replacing the maintenance cartridge, see "<u>Replacing the Maintenance Cartridge</u>."

# **Replacing the Maintenance Cartridge**

### **Compatible Maintenance Cartridges**

For details on compatible maintenance cartridge, see "Maintenance Cartridge."

### **Precautions When Handling Maintenance Cartridge**

Take the following precautions when handling the maintenance cartridge.

# Caution

- For safety, keep maintenance cartridge out of the reach of children.
- If ink is accidentally ingested, contact a physician immediately.

### >>>Important

- Do not remove the maintenance cartridge except to replace it. Ink may leak out.
- Do not remove a maintenance cartridge during initialization immediately after turning on the printer, during print head cleaning, while ink is being drawn out, or during initialization immediately after replacing the maintenance cartridge.

The maintenance cartridge may become damaged or ink may leak out.

- To prevent ink from leaking from a used maintenance cartridge, avoid dropping the cartridge or storing it at an angle. Otherwise, ink may leak and cause stains.
- Ink adheres to the top of the maintenance cartridge after it has been used. Handle the maintenance cartridge carefully during replacement. The ink may stain clothing.

### How to Replace a Maintenance Cartridge

If a message indicates you should replace a maintenance cartridge, check the message details and go to step 2.

- 1. Selecting Maintenance Cartridge Replacement from Menu
- 2. Replacing Maintenance Cartridge

### Selecting Maintenance Cartridge Replacement from Menu

- 1. Flick Home screen and tap Maintenance.
  - Touch Screen

The Maintenance screen appears.

2. Tap Maintenance cartridge info.

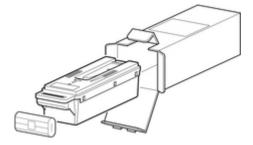
The Maintenance cartridge info screen appears.

3. Tap Replace.

Instructions appear on the touch screen.

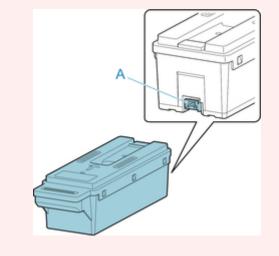
## **Replacing Maintenance Cartridge**

1. Open box, and remove plastic bag and maintenance cartridge.

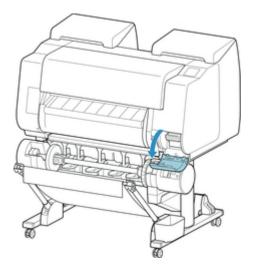


### >>>Important

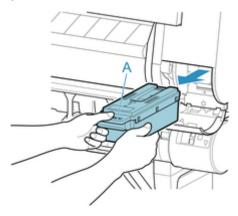
• Never touch the metal contacts (A). This may damage the maintenance cartridge.



2. Open maintenance cartridge cover.

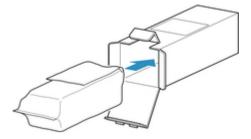


3. Hold the used maintenance cartridge by the grip (A) with one hand and put your other hand under the maintenance cartridge to hold it firmly on the bottom, keeping it level as you pull it out.



### >>>Important

- A used maintenance cartridge is heavy. Always grasp the cartridge firmly and keep the cartridge level during removal and storage. If you drop a used maintenance cartridge or store it at an angle, ink may leak and cause stains.
- 4. Put used maintenance cartridge in supplied plastic bag and store on flat surface.
- 5. Check the top and bottom of the maintenance cartridge, place in the box, and store the box on a flat surface.

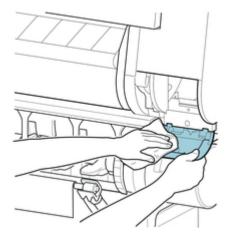


### >>>Important

• Always put the used maintenance cartridge back in the box and store the box on a flat surface.

### >>>Note

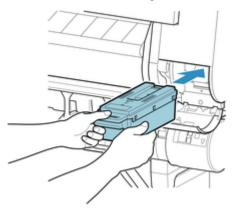
- Dispose of the used maintenance cartridge in accordance with local regulations.
- 6. Wipe away any soiling on the maintenance cartridge cover.



#### >>>Important

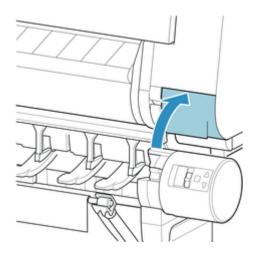
- Support the maintenance cartridge cover from underneath as you wipe it.
- 7. Keeping the new maintenance cartridge level, insert it all the way in.

The maintenance cartridge is initialized.



#### >>>Important

- Do not remove the maintenance cartridge during initialization immediately after replacing the maintenance cartridge. The maintenance cartridge may become damaged.
- 8. Close maintenance cartridge cover.



# **Checking the Remaining Maintenance Cartridge Capacity**

The maintenance cartridge absorbs excess ink from print head cleaning. You can confirm the remaining capacity of the maintenance cartridge by checking the touch screen.

#### 1. Flick Home screen and tap Maintenance.

#### Touch Screen

The **Maintenance** screen appears.

#### 2. Tap Maintenance cartridge info.

The Maintenance cartridge info screen appears.



If the touch screen indicates to replace the maintenance cartridge, replace the maintenance cartridge. If a message appears indicating to check the remaining capacity of the maintenance cartridge, or before tasks that deplete much of the capacity such as head cleaning or preparations to move the printer, check the remaining maintenance cartridge capacity and prepare a new maintenance cartridge as needed.

Replacing the Maintenance Cartridge

## When to Replace the Maintenance Cartridge

Replace or prepare to replace the maintenance cartridge in the following situations.

### If Maintenance Cartridge Confirmation Message Appears on Touch Screen

When the maintenance cartridge is almost empty, the **Status** lamp lights orange and a notification message will appear on the touch screen. You can continue to print, but check the remaining maintenance cartridge capacity and prepare to replace the maintenance cartridge with a new one.

Checking the Remaining Maintenance Cartridge Capacity

### When the maintenance cartridge capacity is drastically depleted

Print head cleaning, print head replacement, and preparations to transfer the printer deplete much of the maintenance cartridge capacity. (In particular, preparing to move the printer depletes a lot of the capacity.)

Check the remaining maintenance cartridge capacity before this maintenance and replace the maintenance cartridge if necessary.

# If Message for Maintenance Cartridge Replacement Appears on Touch Screen

When the maintenance cartridge runs out, the **Status** lamp blinks orange, a message regarding maintenance cartridge replacement appears on the touch screen, and printing is disabled. Replace the maintenance cartridge with a new one.

# **Cutter Blade**

- <u>Cutter Blade</u>
- ➡ <u>Replacing the Cutter Blade</u>

# **Cutter Blade**

When purchasing, check the Model number.

This cutter blade comes with a part for securing the cutter blade during installation.

Shape	Model number
	CT-07

#### >>>Note

• For instructions on replacing the cutter blade, see "Replacing the Cutter Blade."

## **Replacing the Cutter Blade**

### Compatible cutter blade

For details on compatible cutter blade, see "Cutter Blade."

### Selecting Menu for cutter blade Replacement

1. Flick Home screen and tap Maintenance.

#### ➡ <u>Touch Screen</u>

The Maintenance screen appears.

#### 2. Tap Replace cutter blade unit.

A confirmation message appears.

3. Tap Yes.

The Carriage moves and after it stops moving, instructions appear on the touch screen.

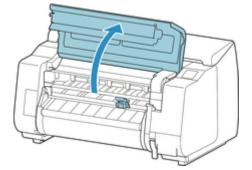
#### Note

• If you do not take action within 2 minutes, cutter blade replacement is canceled. In this case, repeat the procedure.

### **Replacing cutter blade**

1. Open top cover.

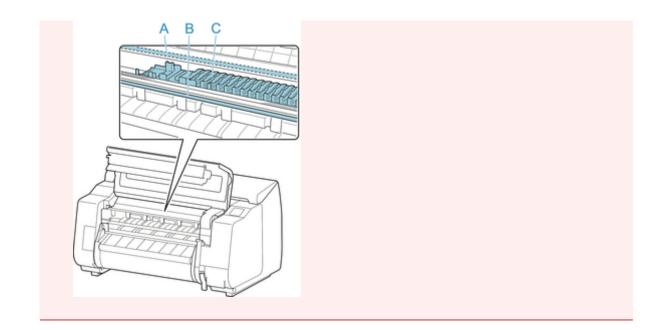
The cutter blade replacement procedure appears on the touch screen.



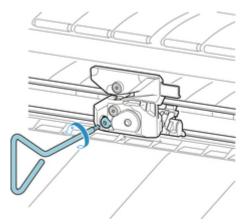
2. If cutter blade is dirty, use damp cloth that you have wrung out completely to wipe it clean.

#### >>>>Important

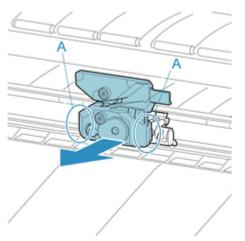
• Never touch the linear scale (A), carriage shaft (B), or ink tube stabilizer (C). Touching may damage them.



3. Turn hex screw with hex wrench until loose.



4. Remove cutter blade while holding A.



# 

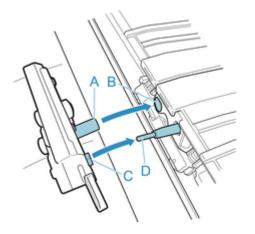
• Never touch any part other than A. This may stain your hands or cause injury. Additionally, this may damage the printer.

#### • Do not disassemble the cutter blade. Touching the blade may cause injury.

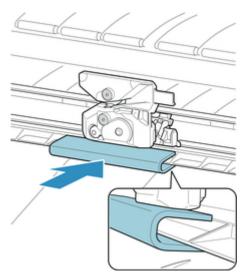
#### >>>Note

• Dispose of the used cutter blade in accordance with local regulations.

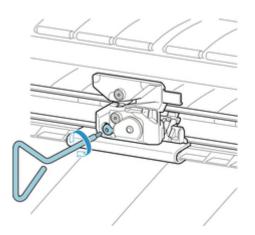
5. Install new cutter blade while aligning A to B and C to D.



6. Install while aligning fixing part included with replacement cutter blade with center of cutter blade.

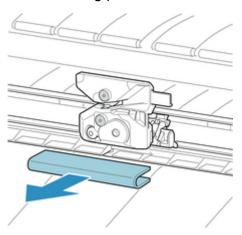


7. Turn hex screw until securely fixed.



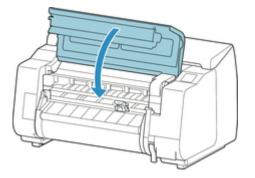
### >>>>Important

- After the cutter blade is secured, check that the cutter blade does not come off. If the cutter blade comes off, this may damage the printer.
- 8. Remove fixing part.



### >>>Important

- Always remove the fixing part. Operating with the part installed may damage the printer.
- 9. Close top cover.



10. A confirmation message will appear.

Tap Yes.

# Performing Maintenance Functions from Your Computer (Windows)

- Cleaning the Print Heads
- > Printing a Nozzle Check Pattern

# **Cleaning the Print Heads**

The print head cleaning function allows you to clear up clogged print head nozzle. Perform print head cleaning if printing is faint or a specific color fails to print, even though there is enough ink.

The procedure for print head cleaning is as follows::



# Print Head Cleaning

- 1. Open the printer driver setup window
- 2. Click Print Head Cleaning on the Maintenance tab

When the **Print Head Cleaning** dialog box opens, select the head cleaning to be performed from the following:

Cleaning

Perform **Cleaning** if printing is faint or a specific color fails to print, even though there is enough ink.

System Cleaning

**System Cleaning** is a more powerful cleaning function. Perform **System Cleaning** if there is no improvement even after repeating **Cleaning** several times.

#### Important

# • **System Cleaning** consumes an extremely large amount of ink. Executing system cleaning frequently will rapidly deplete your printer's ink supply. Therefore, execute system cleaning only when necessary.

#### 3. Execute cleaning

Make sure that the printer is on and then click **OK**.

Print head cleaning starts.

#### >>>> Note

• After Cleaning or System Cleaning is complete, perform Print Nozzle Check Pattern and check the cleaning results.

### **Related Topic**

Printing a Nozzle Check Pattern

# Printing a Nozzle Check Pattern

The nozzle check function allows you to check whether the print head is working properly by printing a nozzle check pattern. Print the pattern if printing becomes faint, or if a specific color fails to print.

The procedure for printing a nozzle check pattern is as follows:



### Nozzle Check

- 1. Open the printer driver setup window
- 2. Click Nozzle Check on the Maintenance tab

The Nozzle Check dialog box opens.

3. Load paper in the printer

Select the paper feed position when the dialog box appears.

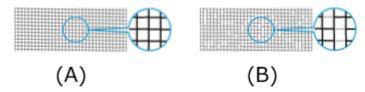
4. Print a nozzle check pattern

Make sure that the printer is on and click **OK**. Printing of the nozzle check pattern begins.

Click **OK** when the confirmation message appears. The **Pattern Check** dialog box opens.

5. Check the print result

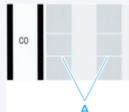
Check the print results.



(A) As long as the horizontal lines are in line, and not missing, the nozzle is working normally.(B) Where the horizontal lines are not in line or are missing, the color nozzle is blocked.

### >>>> Note

• Because CO is colorless, it is printed over a black ink pattern. Check whether the CO pattern contains horizontal streaks (A) in the dark gray area.



• From the nozzle check pattern printing results, if it becomes patchy or there are areas that cannot be printed, use **Print Head Cleaning** to clean the print heads. Once cleaning is complete, print the nozzle check pattern again and check the results.

## **Related Topic**

Cleaning the Print Heads

# **Cleaning the Printer**

- Cleaning the Printer Exterior
- Cleaning Inside the Top Cover
- Cleaning the Roll Unit
- Cleaning the Print Head

# **Cleaning the Printer Exterior**

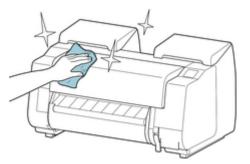
Clean the printer regularly to maintain better printing quality and help prevent problems.

To ensure a comfortable working environment, clean the printer exterior about once a month.

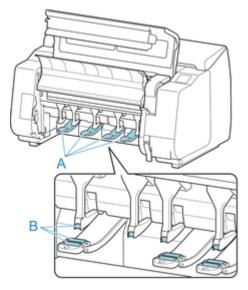
- 1. Turn printer off.
  - ➡ Turning the Printer On and Off
- 2. Unplug the power cord from the outlet.



- Always turn off the printer and unplug the power cord before cleaning or maintenance. Accidentally leaving the printer on poses a risk of injury if you touch moving parts inside the printer.
- 3. Wipe away any residue and paper dust with damp cloth that you have wrung out completely and wipe dry with dry cloth.
  - Clean the printer exterior and the power cord plug.



• Open top cover and output guide and clean parts that come in contact with paper (A, B).





• Never use flammable solvents such as alcohol, benzene, or thinner. If these substances come into contact with electrical components inside the printer, there is a risk of fire or electrical shock.

### >>>>Important

• If the output guide is dirty, it may soil the edge of the paper when the paper is cut. We recommend cleaning the output guide even if it does not appear dirty, because it may actually be covered with paper dust.

Cleaning Inside the Top Cover

4. Plug the power cord into the outlet.

# **Cleaning Inside the Top Cover**

Clean inside the top cover about once a month to maintain better printing quality and help prevent problems.

Also clean inside the top cover in the following situations to ensure optimal operation.

- · If the printed surface or the underside of paper is dirty after printing
- After you have used up a roll
- · After borderless printing
- · After printing on small paper
- · After printing on paper that generates a lot of cutting debris
- · If you have replaced the roll
- · After printing on paper that generates a lot of paper dust

#### >>>>Important

- If the platen inside the top cover becomes dirty, it may soil the underside of paper. We recommend cleaning the platen after borderless printing or printing on small paper.
- If the output guide is dirty, it may soil the edge of the paper when the paper is cut. We recommend cleaning the output guide even if it does not appear dirty, because it may actually be covered with paper dust.
- 1. Flick Home screen and tap Maintenance.

#### Touch Screen

The Maintenance screen appears.

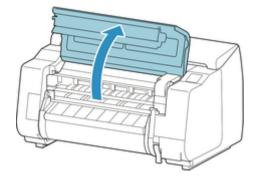
#### 2. Tap Platen cleaning.

A confirmation message appears.

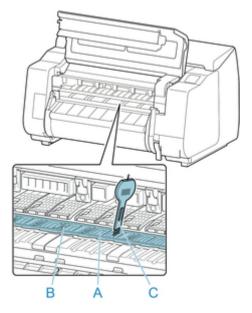
#### 3. Tap Yes.

The Carriage moves and after it stops moving, instructions appear on the touch screen.

#### 4. Open top cover.

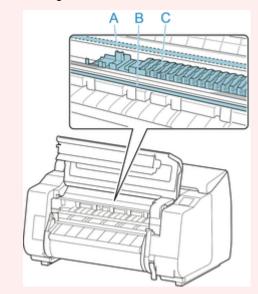


5. If paper dust has accumulated in vacuum holes (A) on platen or in borderless printing ink grooves (B), use cleaning brush (C), provided with printer, to wipe it away.



### >>>>Important

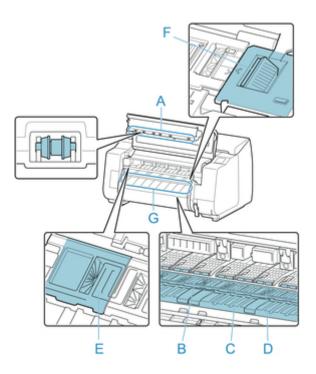
• Never touch the linear scale (A), carriage shaft (B), or ink tube stabilizer (C). Touching may damage them.



### >>>Note

• If the cleaning brush is dirty, rinse it in water.

6. Using a damp cloth that you have wrung out completely, wipe inside the top cover to clean it. Wipe away any ink residue and paper dust (debris from cutting) on top cover roller (A), paper retainer (B), entire platen (C), borderless printing ink grooves (D), periphery of left and right ink suction holes (E, F), and output guide (G), and so on.

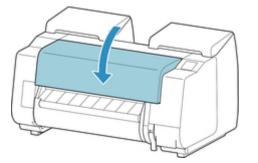




• Never use flammable solvents such as alcohol, benzene, or thinner. If these substances come into contact with electrical components inside the printer, there is a risk of fire or electrical shock.

#### >>>Important

- Do not use a dry cloth to wipe inside the top cover. This may create a static charge, which may attract dust and affect the printing quality.
- 7. Close top cover.



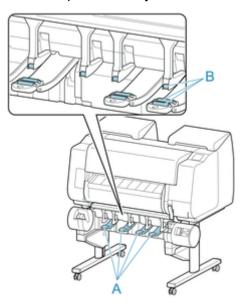
# **Cleaning the Roll Unit**

About once a month, clean the roll unit to ensure optimal operation.

- 1. Remove any roll paper loaded in roll unit.
  - Removing the Lower Roll from the Roll Unit (Option)
- 2. Turn printer off.
  - Turning the Printer On and Off
- 3. Unplug power cord from outlet.



- Always turn off the printer and unplug the power cord before cleaning or maintenance. Accidentally leaving the printer on poses a risk of injury if you touch moving parts inside the printer.
- 4. Wipe away any residue and paper dust from areas (A, B) that come in contact with paper with damp cloth that you have wrung out completely, and wipe dry with dry cloth.



# Warning

- Never use flammable solvents such as alcohol, benzene, or thinner. If these substances come into contact with electrical components inside the roll unit, there is a risk of fire or electrical shock.
- 5. Plug power cord into outlet.

# **Other Maintenance**

- > Preparing to Transfer the Printer
- Reinstalling the Printer
- Updating Firmware

# **Preparing to Transfer the Printer**

To protect the internal parts in transit, always follow these steps before transferring the printer to a new location.

For details on packing the printer and installing it after transfer, see "Reinstalling the Printer."

#### >>>Important

• Be sure to contact your Canon dealer before transferring the printer to a new location. Ink may leak and damage the printer if you do not prepare the printer correctly and it is tipped or stood on end in transit.

#### >>>Note

- The maintenance cartridges needs to be replaced when you execute the **Prepare to transportation** menu. Prepare the maintenance cartridge in advance while referring to the table below. The number of maintenance cartridge required varies depending on the amount remaining in the maintenance cartridge being used.
- If you can move the printer in a level state using casters or something similar, you do not need to execute **Prepare to transportation**.

Prepare to transportation Menu	Usage Examples	Transport and Storage In Low Tem- perature En- vironments	Permitted Angle of Inclination	Required Mainte- nance Car- tridges
Move indoors on the same floor	Move indoors by carry- ing	No	All directions: with- in 30°	1-3
Move indoors to a different floor	Moving the printer while temporarily tilting it such as when using the stairs	No	All directions: with- in 90°	1-3
Transport out- doors	Transport By Vehicle	Yes	All directions: with- in 90°	3

• Always follow the instructions of the service representative when preparing to transfer the printer.

#### **Remove paper**

- 1. Remove the paper.
  - Rolls
    - Removing the Upper Roll from the Printer
    - Removing the Lower Roll from the Roll Unit (Option)
  - Sheet
    - Removing Sheets

#### Selecting Menu for Prepare to transportation

- 1. If touch screen indicates to replace maintenance cartridge, replace maintenance cartridge.
  - Replacing the Maintenance Cartridge
- 2. Flick Home screen and tap Maintenance.
  - ➡ <u>Touch Screen</u>

The Maintenance screen appears.

- 3. Tap Prepare to transportation.
- 4. Select and tap transfer level.

Displays the confirmation screen.

5. Tap Yes.

The printer is now prepared for transfer.

When the preparation is finished, instructions appear on the touch screen.

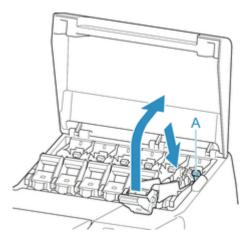
Remove the ink tanks before packing the printer.

#### >>>Important

• If consumables must be replaced, a message appears on the touch screen, and preparation is disabled. If the message appears, tap **OK** and contact your Canon dealer for assistance.

#### **Removing Ink Tanks**

- 1. Open left and right ink tank covers to remove all ink tanks.
  - Replacing Ink Tanks
- 2. Push down release lever (A) as shown as you gently return all ink tank lock levers to their original positions.



3. Close ink tank covers.

At this point, ink is drawn out from inside the tubes.

A confirmation message will appear when the process is finished.

• Do not remove the maintenance cartridge except when the message indicating replacement is displayed.

If you remove the maintenance cartridge while ink is being removed, the ink may leak out.

4. Replace maintenance cartridge currently being used with new maintenance cartridge.

Replacing the Maintenance Cartridge

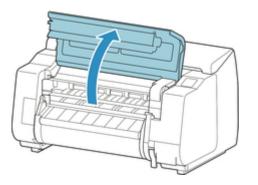
5. Press **ON** button and turn off printer.

#### Pack the printer

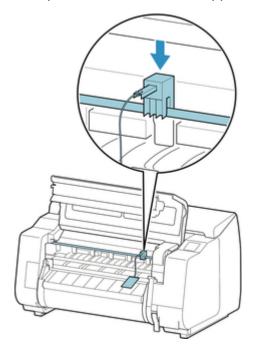
1. Disconnect power cord and interface cable.

#### >>>Important

- Turn off the printer before you unplug it. Unplugging the printer before it is off and moving it may damage the printer. If you accidentally unplug the printer, plug it in again, reinstall the ink tanks, and follow this procedure again.
- 2. Open top cover.

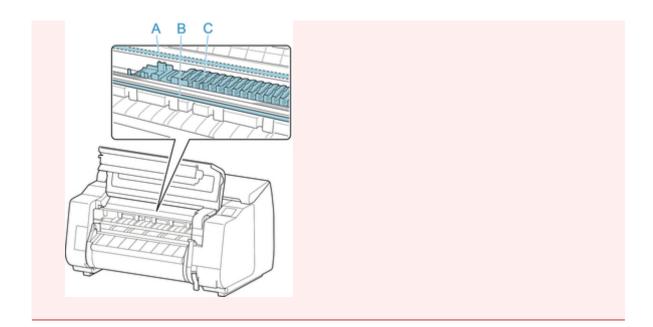


3. Grasp Belt and insert Belt Stopper into position shown.

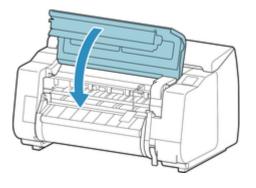


#### >>>>Important

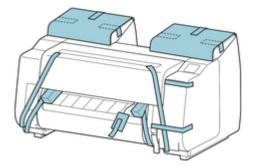
- Attach the Belt Stopper that was removed and stored after initial installation. Neglecting to attach the Belt Stopper may damage the printer.
- Never touch the linear scale (A), carriage shaft (B), or ink tube stabilizer (C). Touching may damage them.



4. Close top cover.



5. Tape down printer covers to secure them, in the reverse order of tape removal during installation.



- 6. Remove basket by reversing installation procedure.
- 7. Remove the Stand by reversing the installation procedure, when it was attached to the printer.
- 8. Disassemble and repackage the Stand by following the installation procedure in reverse.

9. Repack Roll Holder, holder stopper, and printer in shipping materials, and then package them in shipping box.

# **Reinstalling the Printer**

The basic workflow for reinstalling the printer is as follows.

For detailed instructions, see the Setup Guide.

#### Assemble the stand (optional)

1. If you are using the optional Stand, assemble the Stand by referring to the Printer Stand Setup Guide included with the Stand.

### Caution

- The Stand must be assembled by at least two people on a flat surface. Attempting assembly by yourself poses a risk of injury or bending the Stand.
- When assembling the Stand, lock the casters. In addition, always unlock the casters before moving the assembled Stand. Attempting to move the stand when the casters are locked poses a risk of injury or damage to the location site.

#### Install the printer

1. Install the printer on a table or other flat surface.

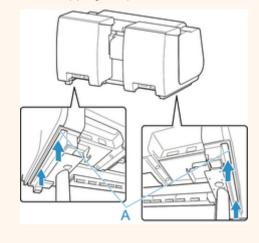
If you will use the printer on an optional Stand, assemble the Stand before mounting the printer on it, and then secure it with the Main Unit Securing Bolts.



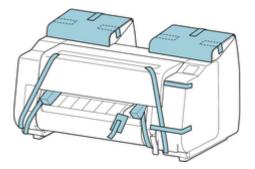


• Moving the printer requires at least six people, holding it on both sides. Be careful to avoid back strain and other injuries.

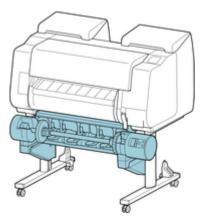
• When carrying the printer, hold it securely by the carrying grips on the bottom left, right, and rear. The printer may be unsteady if you hold it at other positions, which poses a risk of injury from dropping the printer.



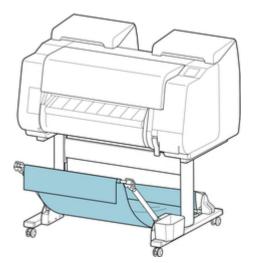
2. Remove tape and packaging material attached to the printer. Also open the top cover and remove stoppers and spacers inside the printer.



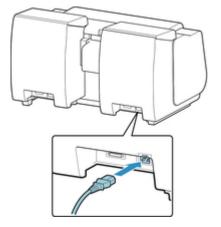
3. If using optional roll unit, refer to Setup Guide provided with roll unit and attach roll unit to Stand.



4. Refer to Printer Stand Setup Guide and attach basket to Stand.



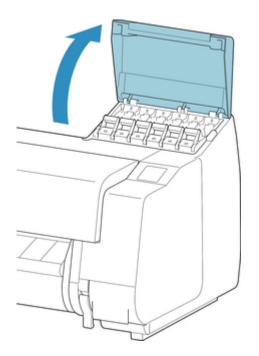
5. Connect the power cord to the power cord connector on the back of the printer.



- 6. Plug the power cord into the outlet.
- 7. Press the power button to turn the printer on.

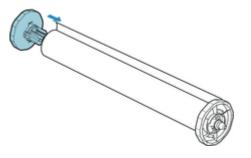
When **"Do you want to install the transported printer? Do not install the ink tanks yet."** appears, tap **Yes**.

8. When instructions for loading ink tank appear on touch screen, open ink tank cover and load ink tank.



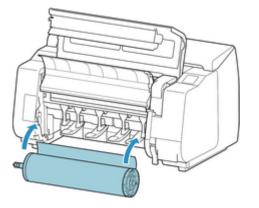
9. Attach the Roll Holder to the Roll Media.

(See "Loading Rolls on the Roll Holder.")



10. Load the Roll Media in the printer.

(See "Loading the Upper Roll on the Printer.")



11. Install the software.

Note that the driver installation procedure varies depending on the type of connection. (See "<u>Installing the Printer Driver</u>" (Windows).) (See "Installing the Printer Driver" (Mac OS).)

# Specifications

- Printer Specifications
  - Specifications
  - Print Area

# **Printer Specifications**



Print Area

# **Specifications**

#### >>>Important

• The following values may vary depending on the operating environment.

#### Printer

Power supply		100–240 V AC (50/60 Hz)
Power consumption	When printing	88 W max.
	In Sleep mode	3.6 W max. ( <u>*1</u> )
	When power is off	0.3 W max. ( <u>*2</u> )
Operating environment	Temperature	59 to 86°F (15 to 30°C)
	Humidity	10 to 80% RH (with no conden- sation)
Dimensions (W × D × H)	Main unit only	Approx. 43.8 × 28.9 × 24.8 in (1110 × 734 × 628 mm)
	Main unit and Stand (when basket is not used)	Approx. 43.8 × 30.2 × 46 in (1110 × 766 × 1168 mm)
	Main unit and Stand (when using bas- ket: basket Position 1) ( <u>*3</u> )	Approx. 43.8 × 38.8 × 46 in (1110 × 984 × 1168 mm)
	Main unit and Stand (when using bas- ket: basket Position 2/4/5) ( <u>*3</u> )	Approx. 43.8 × 48.2 × 46 in (1110 × 1222 × 1168 mm)
	Main unit and Stand (when using bas- ket: basket Position 3) ( <u>*3</u> )	Approx. 43.8 × 56.5 × 46 in (1110 × 1434 × 1168 mm)
Weight	Main unit only (does not include print head and ink tanks)	Approx. 185 lb (84 kg)
	Stand	Approx. 37 lb (17 kg)
	Roll unit	Approx. 35 lb (16 kg)
Space for installation (W × D × H)	When not using Stand	Approx. 59.5 × 56.5 × 40.2 in (1510 × 1434 × 1020 mm)
	When using Stand	Approx. 59.5 × 66.3 × 61.5 in (1510 × 1684 × 1560 mm)
Related standards	International ENERGY STAR Program	

\*1:Wired LAN connection

\*2:The printer uses a trace amount of power even when turned off. To stop all power consumption, turn off the printer and unplug the power cord.

\*3:For details on the basket position, see "Example Basket Configurations."

#### **Printing performance**

Print method	Bubblejet
Maximum resolution	2400 dpi (horizontally) ( <u>*1</u> ) × 1200 dpi (vertically)
Print head	PF-10
Number of nozzles	18432 nozzles (1536 nozzles per color)

\*1:Prints with a minimum 1/2400 inch dot pitch between ink droplets.

#### Memory and hard disk

Memory	3 GB	
Hard disk capacity	320 GB	
	Personal mail boxes (Permanent storage area)	140 GB
Print job storage capacity	Common Box	100 jobs
	Personal Boxes	100 jobs

#### Interface

You can use both USB and LAN at the same time.

You cannot use wireless LAN and wired LAN at the same time.

USB	Hi-Speed USB ( <u>*1</u> )	
USB memory	USB flash drive	
LAN	Wired LAN	IEEE802.3ab (1000BASE-T) / IEEE802.3u (100BASE- TX) / IEEE802.3 (10BASE-T)
	Wireless LAN	IEEE802.11n / IEEE802.11g / IEEE802.11b ( <u>*2</u> )

\*1:To use Hi-Speed USB, your computer must support Hi-Speed USB.

Additionally, the Hi-Speed USB interface is completely backward compatible with USB 1.1, so the printer can be connected even if the computer interface is USB 1.1.

\*2:A connection can be established by configuring Standard setup, WPS (Wi-Fi Protected Setup), WCN (Windows Connect Now), Cableless setup.

#### **Network Specifications**

Communication protocols	SNMP (Canon-MIB compatible), HTTP, TCP/IP (IPv4/IPv6)
-------------------------	---

·	i	1
Wired LAN specifications	Compliance standards	IEEE802.3ab (1000BASE-T) / IEEE802.3u (100BASE- TX) / IEEE802.3 (10BASE-T)
	Transmission speed	10 Mbps / 100 Mbps / 1000 Mbps (automatically selec- ted)
Wireless LAN specifica- tions	Compliance standards	IEEE802.11n / IEEE802.11g / IEEE802.11b
	Frequency range	2.4 GHz
	Channels	1 to 11 or 1 to 13
		Varies by country and region.
	Effective range	Indoor 164 feet (50 m)
		Varies according to environmental conditions.
	Security	WEP (64/128 bit)
		WPA-PSK (TKIP/AES)
		WPA2-PSK (TKIP/AES)
	Setup	Standard setup
		WPS (push button method/PIN code method)
		WCN (WCN-NET)
		Cableless setup
	Other	Admin password

## **Operating Conditions**

If operating conditions of the operating system are high, follow those.

Windows	Vindows Compatible Operating Sys- tem (Standard supplied printer driver)	32-bit version	Windows 10 Windows 8.1, Windows 8 Windows 7 Windows Vista Windows Server 2008 Use the latest Service Pack avail- able.
		64-bit version	Windows 10 Windows 8.1, Windows 8 Windows 7 Windows Vista Windows Server 2008, Windows Server 2008 R2 Windows Server 2012, Windows Server 2012 R2

			Use the latest Service Pack avail- able. Windows RT (Windows 8 ARM architecture) not supported.
	Recommended operating environment ( <u>*1</u> )	CPU	Pentium 4 or later, or Athlon 64 or later processor
		Memory	1 GB or more
		Free hard disk space	20 GB or more
Mac OS	Compatible Operating Sys- tem (Standard supplied printer driver)	OS X v10.7.5 to OS X	v10.11
	Recommended operating	CPU	Intel multi-core processor or later
	environment ( <u>*1</u> )	Memory	2 GB or more
		Free hard disk space	20 GB or more

\*1: Depending on the application software and data being used, the printer may not output correctly even with the above environmental conditions.

- An Internet connection is required to use the Online Manual.
- To install the software while using Windows, you must have a CD-ROM drive or a network connection.
- To install the software while using Mac OS, you must have a network connection.

#### Ink

For information on the ink the printer supports, see "Ink Tanks."

#### Paper

For details on the compatible media types, see "Paper Information List."

Paper width	For details on the paper widths supported by the printer, see " <u>Paper</u> <u>Sizes</u> ."	
Minimum paper length		8.00 in (203.2 mm)
faximum printable length Rolls ( <u>*1</u> )		59 feet (18 m)
	Sheets	5.2 feet (1.6 m) ( <u>*2</u> )
Thickness	Rolls	3-31 mil (0.07-0.8 mm)
	Sheets	3-31 mil (0.07-0.8 mm)
Roll maximum outer diameter		6.7 in (170 mm) or shorter

Supported paper core inner diameter		2 in/3 in (50.8 mm/76.2 mm)
Print area	For details about Print Area,	see " <u>Print Area</u> ."

\*1:Varies depending on the operating system or application.

\*2: When using stand

### **Print Area**

A margin required by the printer is added with respect to the size of paper loaded in the printer. Except in borderless printing, the actual printing area corresponds to the paper size minus the space for this margin.

#### >>>Note

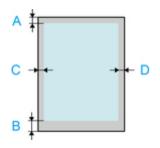
- Printable Area: The area that can be printed.
- For borderless printing with roll paper, the margin is 0 in (0 mm).

However, depending on the paper size, minor margins may be available.

- Prints without Edges Based on the Scenarios(Windows)
- ➡ Prints without Edges Based on the Scenarios(Mac OS)
- Recommended Print Area: We recommend printing within this area.
- To match the document size with the actual printing area, print on oversize paper with the required margin added.
  - Printing to Oversized Paper Sizes(Windows)
  - ➡ Printing to Oversized Paper Sizes(Mac OS)

	Margins of Printable Area			Margins of Recommended Print Area		
	Top Edge	Bottom Edge	Sides	Top Edge	Bottom Edge	Sides
Sheets	0.2 in (3 mm)	0.8 in (20 mm)	0.2 in (3 mm)	0.8 in (20 mm)	0.8 in (20 mm)	0.2 in (3 mm)
Rolls	0.2 in (3 mm)	0.2 in (3 mm)	0.2 in (3 mm)	0.8 in (20 mm)	0.2 in (3 mm)	0.2 in (3 mm)

#### Sheets



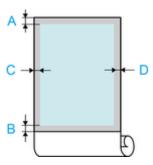
- A. Top Edge
- B. Bottom Edge
- C. Left Edge
- D. Right Edge
- Printable Area:

A margin of 0.2 in (3 mm) on top, 0.8 in (20 mm) on bottom, and 0.2 in (3 mm) on left and right sides is required.

Recommended Print Area:

A margin of 0.8 in (20 mm) on top, 0.8 in (20 mm) on bottom, and 0.2 in (3 mm) on left and right sides is required.





- A. Top Edge
- B. Bottom Edge
- C. Left Edge
- D. Right Edge
- Printable Area:

A margin of 0.2 in (3 mm) on top and bottom and 0.2 in (3 mm) on left and right sides is required. For borderless printing, the margins on top, bottom, left, and right are 0 in (0 mm). For paper that supports borderless printing, see "Paper Information List."

Recommended Print Area:

A margin of 0.8 in (20 mm) on top, 0.2 in (3 mm) on bottom, and 0.2 in (3 mm) on left and right sides is required.

# Safety

- Safety Precautions
- Regulatory Information
- ► WEEE (EU&EEA)

# **Safety Precautions**

#### **Choosing a location**

- Never install the printer on an unstable or vibrating surface.
- Do not install the printer in locations that are very humid or dusty, in direct sunlight, outdoors, or close to a heating source.

To avoid the risk of fire or electric shocks, use the printer under the operating environment specified in the <u>Specifications</u>.

- Do not place the printer on a thick rug or carpet.
- Do not place the printer with its back attached to the wall.
- We recommend ensuring ample space for installation.
- Do not install the printer near sources of strong electromagnetic fields, whether equipment that generates such fields or places where such fields occur.

#### **Power Supply**

- Ensure that the area around the power outlet is kept clear at all times so you can easily unplug the power cord if necessary.
- Never remove the plug by pulling on the cord. Pulling the cord may damage the power cord, leading to possible fire or electrical shock.
- Do not use an extension lead/cord.

#### Working Around the Printer

- Never put your hands or fingers in the printer while it is printing.
- Moving the printer requires at least six people, holding it on both sides. Be careful to avoid back strain and other injuries.
- When moving the printer, firmly grasp the Carrying Handles under each side. The printer may be unsteady if you hold it at other positions, which poses a risk of injury from dropping the printer.
- Do not place any object on the printer. Especially do not place metal objects (paper clips, staples, etc.) or containers of flammable solvents (alcohol, thinners, etc.) on top of the printer.
- Do not transport or use the printer on a slant, vertically or upside-down, as the ink may leak and damage the printer.

#### Print Heads/Ink Tanks/Maintenance Cartridges

- Keep ink tanks out of the reach of children. In case ink is accidentally licked or swallowed, rinse out mouth or give one or two glasses of water to drink. If irritation or discomfort occurs, obtain medical advice immediately.
- In case ink gets in contact with eyes, rinse with water immediately. In case ink gets in contact with skin, wash with soap and water immediately. If irritation to eyes or skin persists, obtain medical advice immediately.
- Never touch the electrical contacts on a print head after printing. The metal parts may be very hot and could cause burns.
- Do not throw ink tanks and maintenance cartridges into fire.
- Do not attempt to disassemble or modify the print head, ink tanks, and maintenance cartridges.
- Avoid dropping or shaking print head, ink tanks, and maintenance cartridges.

# **Regulatory Information**

#### **Lithium Battery**

- Dispose of used batteries according to the local regulations.
- Risk of explosion if battery is replaced by an incorrect type.

#### Users in the U.S.A.

FCC Notice (U.S.A. Only) For 120V, 60Hz model Model Number: K10438 (Contains FCC Approved WLAN Module K30357) Optional parts: Roll Unit RU-21

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- · Consult the dealer or an experienced radio/TV technician for help.

Use of a shielded cable is required to comply with Class B limits in Subpart B of Part 15 of the FCC Rules.

Do not make any changes or modifications to the equipment unless otherwise specified in the manual. If such changes or modifications should be made, you could be required to stop operation of the equipment.

#### FCC ID:AZDK30357

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate equipment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The equipment complies with FCC radiation exposure limits for at uncontrolled equipment. This equipment should be installed and operated with minimum distance at least 20cm between the radiator and persons body (excluding extremities: hands, wrists, feet and ankles) and must not be colocated or operated with any other antenna or transmitter.

Canon U.S.A., Inc. One Canon Park Melville, New York 11747 1-800-652-2666

#### Users in Canada

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:

(1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment and meets RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment should be installed and operated keeping the radiator at least 20cm or more away from person's body (excluding extremities: hands, wrists, feet and ankles).

#### Pour les usagers résidant au Canada

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

(1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Cet équipement est conforme aux limites d'exposition aux rayonnements énoncées pour un environnement non contrôlé et respecte les règles d'exposition aux fréquences radioélectriques (RF) CNR-102 de l'IC. Cet équipement doit être installé et utilisé en gardant une distance de 20 cm ou plus entre le dispositif rayonnant et le corps (à l'exception des extrémités : mains, poignets, pieds et chevilles).



CE

# WEEE (EU&EEA)

#### Only for European Union and EEA (Norway, Iceland and Liechtenstein)



These symbols indicate that this product is not to be disposed of with your household waste, according to the WEEE Directive (2012/19/EU), the Battery Directive (2006/66/EC) and/or national legislation implementing those Directives. If a chemical symbol is printed beneath the symbol shown above, in accordance with the Battery Directive, this indicates that a heavy metal (Hg = Mercury, Cd = Cadmium, Pb = Lead) is present in this battery or accumulator at a concentration above an applicable threshold specified in the Battery Directive. This product should be handed over to a designated collection point, e.g., on an authorized one-for-one basis when you buy a new similar product or to an authorized collection site for recycling waste electrical and electronic equipment (EEE) and batteries and accumulators. Improper handling of this type of waste could have a possible impact on the environment and human health due to potentially hazardous substances that are generally associated with EEE. Your cooperation in the correct disposal of this product will contribute to the effective usage of natural resources. For more information about the recycling of this product, please contact your local city office, waste authority, approved scheme or your household waste disposal service or visit www.canon-europe.com/battery.

#### Nur für Europäische Union und EWR (Norwegen, Island und Liechtenstein)



Diese Symbole weisen darauf hin, dass dieses Produkt gemäß WEEE-Richtlinie (2012/19/EU; Richtlinie über Elektro- und Elektronik-Altgeräte), Batterien-Richtlinie (2006/66/EG) und nationalen Gesetzen zur Umsetzung dieser Richtlinien nicht über den Hausmüll entsorgt werden darf. Falls sich unter dem oben abgebildeten Symbol ein chemisches Symbol befindet, bedeutet dies gemäß der Batterien-Richtlinie, dass in dieser Batterie oder diesem Akkumulator ein Schwermetall (Hg = Quecksilber, Cd = Cadmium, Pb = Blei) in einer Konzentration vorhanden ist, die über einem in der Batterien-Richtlinie angegebenen Grenzwert liegt. Dieses Produkt muss bei einer dafür vorgesehenen Sammelstelle abgegeben werden. Dies kann z. B. durch Rückgabe beim Kauf eines neuen ähnlichen Produkts oder durch Abgabe bei einer autorisierten Sammelstelle für die Wiederaufbereitung von Elektro- und Elektronik-Altgeräten sowie Batterien und Akkumulatoren geschehen. Der unsachgemäße Umgang mit Altgeräten kann aufgrund potenziell gefährlicher Stoffe, die generell mit Elektro- und Elektronik-Altgeräten in Verbindung stehen, negative Auswirkungen auf die Umwelt und die menschliche Gesundheit haben. Durch Ihre Mitarbeit bei der umweltgerechten Entsorgung dieses Produkts tragen Sie zu einer effektiven Nutzung natürlicher Ressourcen bei. Um weitere Informationen über die Wiederverwertung dieses Produkts zu erhalten, wenden Sie sich an Ihre Stadtverwaltung, den öffentlich-rechtlichen Entsorgungsträger, eine autorisierte Stelle für die Entsorgung von Elektro- und Elektronik-Altgeräten oder Ihr örtliches Entsorgungsunternehmen oder besuchen Sie www.canon-europe.com/weee, oder www.canoneurope.com/battery.

#### Union Européenne, Norvège, Islande et Liechtenstein uniquement.



Ces symboles indiguent que ce produit ne doit pas être mis au rebut avec les ordures ménagères, comme le spécifient la Directive européenne DEEE (2012/19/UE), la Directive européenne relative à l'élimination des piles et des accumulateurs usagés (2006/66/CE) et les lois en vigueur dans votre pays appliquant ces directives. Si un symbole de toxicité chimique est imprimé sous le symbole illustré ci-dessus conformément à la Directive relative aux piles et aux accumulateurs, il indique la présence d'un métal lourd (Hg = mercure, Cd = cadmium, Pb = plomb) dans la pile ou l'accumulateur à une concentration supérieure au seuil applicable spécifié par la Directive. Ce produit doit être confié au distributeur à chaque fois que vous achetez un produit neuf similaire, ou à un point de collecte mis en place par les collectivités locales pour le recyclage des Déchets des Équipements Électriques et Électroniques (DEEE). Le traitement inapproprié de ce type de déchet risque d'avoir des répercussions sur l'environnement et la santé humaine, du fait de la présence de substances potentiellement dangereuses généralement associées aux équipements électriques et électroniques. Votre entière coopération dans le cadre de la mise au rebut correcte de ce produit favorisera une meilleure utilisation des ressources naturelles. Pour plus d'informations sur le recyclage de ce produit, contactez vos services municipaux, votre écoorganisme ou les autorités locales compétentes, ou consultez le site www.canon-europe.com/weee, ou www.canon-europe.com/battery.

# Uitsluitend bestemd voor de Europese Unie en EER (Noorwegen, IJsland en Liechtenstein)



Met deze symbolen wordt aangegeven dat dit product in overeenstemming met de AEEA-richtlijn (2012/19/EU), de richtlijn 2006/66/EG betreffende batterijen en accu's en/of de plaatselijk geldende wetgeving waarin deze richtlijnen zijn geïmplementeerd, niet bij het normale huisvuil mag worden weggegooid. Indien onder het hierboven getoonde symbool een chemisch symbool gedrukt staat, geeft dit in overeenstemming met de richtlijn betreffende batterijen en accu's aan dat deze batterij of accu een zwaar metaal bevat (Hg = kwik, Cd = cadmium, Pb = lood) waarvan de concentratie de toepasselijke drempelwaarde in overeenstemming met de genoemde richtlijn overschrijdt. Dit product dient te worden ingeleverd bij een hiervoor aangewezen inzamelpunt, bijv. door dit in te leveren bij een hiertoe erkend verkooppunt bij aankoop van een gelijksoortig product, of bij een officiële inzameldienst voor de recycling van elektrische en elektronische apparatuur (EEA) en batterijen en accu's. Door de potentieel gevaarlijke stoffen die gewoonlijk gepaard gaan met EEA, kan onjuiste verwerking van dit type afval mogelijk nadelige gevolgen hebben voor het milieu en de menselijke gezondheid. Uw medewerking bij het op juiste wijze weggooien van dit product draagt bij tot effectief gebruik van natuurlijke hulpbronnen. Voor verdere informatie over recycling van dit product kunt u contact opnemen met uw plaatselijke gemeente, afvaldienst, officiële dienst voor klein chemisch afval of afvalstortplaats, of kunt u terecht op www.canoneurope.com/weee, of www.canon-europe.com/battery.

# Sólo para la Unión Europea y el Área Económica Europea (Noruega, Islandia y Liechtenstein)



Estos iconos indican que este producto no debe desecharse con los residuos domésticos de acuerdo con la Directiva sobre RAEE (2012/19/UE) y la Directiva sobre Pilas y Acumuladores (2006/66/CE) y/o la legislación nacional. Si aparece un símbolo químico bajo este icono, de acuerdo con la Directiva sobre Pilas y Acumuladores, significa que la pila o el acumulador contiene metales pesados (Hg = Mercurio, Cd = Cadmio, Pb = Plomo) en una concentración superior al límite especificado en dicha directiva. Este producto deberá entregarse en un punto de recogida designado, por ejemplo, entregándolo en el lugar de venta al adquirir un producto nuevo similar o en un centro autorizado para la recogida de residuos de aparatos eléctricos y electrónicos (RAEE), baterías y acumuladores. La gestión incorrecta de este tipo de residuos puede afectar al medio ambiente y a la salud humana debido a las sustancias potencialmente nocivas que suelen contener estos aparatos. Su cooperación en la correcta eliminación de este producto contribuirá al correcto aprovechamiento de los recursos naturales. Los usuarios tienen derecho a devolver pilas, acumuladores o baterías usados sin coste alguno. El precio de venta de pilas, acumuladores y baterías incluye el coste de la gestión medioambiental de su desecho, y no es necesario mostrar la cuantía de dicho coste en la información y la factura suministradas a los usuarios finales. Si desea más información sobre el reciclado de este producto, póngase en contacto con su municipio, el servicio o el organismo encargado de la gestión de residuos domésticos o visite www.canon-europe.com/ weee, o www.canon-europe.com/battery.

# Només per a la Unió Europea i a l'Espai Econòmic Europeu (Noruega, Islàndia i Liechtenstein)



Aquests símbols indican que aquest producte no s'ha de llençar amb les escombraries de la llar, d'acord amb la RAEE (2012/19/UE), la Directiva relativa a piles i acumuladors (2006/66/CE) i la legislació nacional que implementi aquestes directives. Si al costat d'aquest símbol hi apareix imprès un símbol químic, segons especifica la Directiva relativa a piles i acumuladors, significa que la bateria o l'acumulador conté un metall pesant (Hg = mercuri, Cd = cadmi, Pb = plom) en una concentració superior al límit aplicable especificat en la Directiva. Aquest producte s'hauria de lliurar en un dels punts de recollida designats, com per exemple, intercanviant un per un en comprar un producte similar o lliurant-lo en un lloc de recollida autoritzat per al reciclatge de residus d'aparells elèctrics i electrònics (RAEE) i piles i acumuladors. La manipulació inadequada d'aquest tipus de residus podria tenir un impacte negatiu en l'entorn i en la salut humana, a causa de les substàncies potencialment perilloses que normalment estan associades a l'RAEE. La vostra cooperació a l'hora de rebutjar correctament aquest producte contribuirà a la utilització efectiva dels recursos naturals. Els usuaris tenen dret a retornar les bateries o els acumuladors usats sense cap càrrec. El preu de venda de les bateries i els acumuladors inclou el cost de la gestió ambiental dels residus i no es necessari mostrar l'import d'aquest cost en aquest fullet o en la factura que es lliuri a l'usuari final. Per a més informació sobre el reciclatge d'aquest producte, contacteu amb l'oficina municipal, les autoritats encarregades dels residus, el pla de residus homologat o el servei

de recollida d'escombraries domèstiques de la vostra localitat o visiteu www.canon-europe.com/weee, o www.canon-europe.com/battery.

### Solo per Unione Europea e SEE (Norvegia, Islanda e Liechtenstein)



Questi simboli indicano che il prodotto non può essere smaltito con i rifiuti domestici, ai sensi della Direttiva RAEE (2012/19/UE), della Direttiva sulle Batterie (2006/66/CE) e/o delle leggi nazionali che attuano tali Direttive. Se sotto il simbolo indicato sopra è riportato un simbolo chimico, in osservanza della Direttiva sulle batterie, tale simbolo indica la presenza di un metallo pesante (Hg = Mercurio, Cd = Cadmio, Pb = Piombo) nella batteria o nell'accumulatore con un livello di concentrazione superiore a una soglia applicabile specificata nella Direttiva sulle batterie. Il prodotto deve essere conferito a un punto di raccolta designato, ad esempio il rivenditore in caso di acquisto di un nuovo prodotto simile oppure un centro di raccolta autorizzato per il riciclaggio di rifiuti di apparecchiature elettriche ed elettroniche (RAEE) nonché di batterie e accumulatori. Un trattamento improprio di questo tipo di rifiuti può avere conseguenze negative sull'ambiente e sulla salute umana a causa delle sostanze potenzialmente nocive solitamente contenute in tali rifiuti. La collaborazione dell'utente per il corretto smaltimento di questo prodotto contribuirà a un utilizzo efficace delle risorse naturali ed eviterà di incorrere in sanzioni amministrative ai sensi dell'art. 255 e successivi del Decreto Legislativo n. 152/06. Per ulteriori informazioni sul riciclaggio di questo prodotto, contattare le autorità locali, l'ente responsabile della raccolta dei rifiuti, un rivenditore autorizzato o il servizio di raccolta dei rifiuti domestici, oppure visitare il sito www.canon-europe.com/weee, o www.canon-europe.com/battery.

#### Apenas para a União Europeia e AEE (Noruega, Islândia e Liechtenstein)



Estes símbolos indicam que este produto não deve ser eliminado juntamente com o seu lixo doméstico, segundo a Diretiva REEE de 2012/19/UE, a Diretiva de Baterias (2006/66/CE) e/ou a sua legislação nacional que transponha estas Diretivas. Se houver um símbolo químico impresso como mostrado abaixo, de acordo com a Diretiva de Baterias, isto indica que um metal pesado (Hg = Mercúrio, Cd = Cádmio, Pb = Chumbo) está presente nesta pilha ou acumulador, numa concentração acima de um limite aplicável especificado na Diretiva. Este produto deve ser entregue num ponto de recolha designado, por exemplo num local autorizado de troca quando compra um equipamento novo idêntico, ou num local de recolha autorizado para reciclar equipamento elétrico e eletrónico (EEE) em fim de vida, bem como pilhas e baterias. O tratamento inadequado deste tipo de resíduos pode ter um impacto negativo no ambiente e na saúde humana, devido a substâncias potencialmente perigosas que estão associadas com equipamentos do tipo EEE. A sua cooperação no tratamento correto deste produto irá contribuir para a utilização mais eficaz dos recursos naturais. Para obter mais informações acerca de como reciclar este produto, por favor contacte as suas autoridades locais responsáveis pela matéria, serviço de recolha aprovado para pilhas e baterias ou serviço de recolha de resíduos sólidos domésticos da sua municipalidade, ou visite www.canon-europe.com/weee, ou www.canon-europe.com/battery.

#### Gælder kun i Europæiske Union og EØS (Norge, Island og Liechtenstein)



Disse symboler betyder, at produktet ikke må bortskaffes sammen med dagrenovation i henhold til WEEEdirektivet (2012/19/EU), batteridirektivet (2006/66/EF) og/eller den lokale lovgivning, som disse direktiver er gennemført i. Hvis der i overensstemmelse med batteridirektivet er trykt et kemisk symbol under det symbol, der er vist ovenfor, betyder det, at batteriet eller akkumulatoren indeholder tungmetaller (Hg = kviksølv, Cd = cadmium, Pb = bly) i en koncentration, som ligger over de grænseværdier, der er beskrevet i batteridirektivet. Produktet skal afleveres på et godkendt indsamlingssted, f.eks. i overensstemmelse med en godkendt én-til-én-procedure, når du indkøber et nyt tilsvarende produkt, eller på et godkendt indsamlingssted for elektronikaffald samt for batterier og akkumulatorer. Forkert håndtering af denne type affald kan medføre negative konsekvenser for miljøet og menneskers helbred på grund af de potentielt sundhedsskadelige stoffer, der generelt kan forefindes i elektrisk og elektronisk udstyr. Når du foretager korrekt bortskaffelse af produktet, bidrager du til effektiv brug af naturressourcerne. Kontakt din kommune, den lokale affaldsmyndighed, det lokale affaldsanlæg, eller besøg www.canon-europe.com/weee, eller www.canon-europe.com/battery for at få flere oplysninger om genbrug af dette produkt.

#### Μόνο για την Ευρωπαϊκή Ένωση και τον ΕΟΧ (Νορβηγία, Ισλανδία και Λιχτενστάιν)



Αυτά τα σύμβολα υποδεικνύουν ότι αυτό το προϊόν δεν πρέπει να απορρίπτεται μαζί με τα οικιακά απορρίμματα, σύμφωνα με την Οδηγία για τα Απόβλητα Ηλεκτρικού και Ηλεκτρονικού Εξοπλισμού (AHHE) (2012/19/EE), την Οδηγία για τις Ηλεκτρικές Στήλες (2006/66/EK) ή/και την εθνική νομοθεσία που εφαρμόζει τις Οδηγίες εκείνες. Εάν κάποιο χημικό σύμβολο είναι τυπωμένο κάτω από το σύμβολο που φαίνεται παραπάνω, σύμφωνα με την Οδηγία για τις Ηλεκτρικές Στήλες, υποδηλώνει ότι κάποιο βαρύ μέταλλο (Hg = Υδράργυρος, Cd = Κάδμιο, Pb = Μόλυβδος) υπάρχει στην μπαταρία ή τον συσσωρευτή σε συγκέντρωση μεγαλύτερη από το ισχύον επίπεδο που καθορίζεται στην Οδηγία για τις Ηλεκτρικές Στήλες. Αυτό το προϊόν πρέπει να παραδίδεται σε καθορισμένο σημείο συλλογής, π.χ. σε μια εξουσιοδοτημένη βάση ανταλλαγής όταν αγοράζετε ένα νέο παρόμοιο προϊόν ή σε μια εξουσιοδοτημένη θέση συλλογής για την ανακύκλωση των αποβλήτων ηλεκτρικού και ηλεκτρονικού εξοπλισμού (ΗΗΕ) και των ηλεκτρικών στηλών και συσσωρευτών. Ο ακατάλληλος χειρισμός αυτού του τύπου αποβλήτων μπορεί να έχει αρνητικό αντίκτυπο στο περιβάλλον και την υγεία του ανθρώπου, λόγω δυνητικά επικίνδυνων ουσιών που γενικά συνδέονται με τον ΗΗΕ. Η συνεργασία σας για τη σωστή απόρριψη αυτού του προϊόντος θα συμβάλει στην αποτελεσματική χρήση των φυσικών πόρων. Για περισσότερες πληροφορίες σχετικά με ανακύκλωση αυτού του προϊόντος, επικοινωνήστε με το τοπικό γραφείο της πόλης σας, την υπηρεσία απορριμμάτων, το εγκεκριμένο σχήμα ή την υπηρεσία απόρριψης οικιακών αποβλήτων ή επισκεφθείτε τη διεύθυνση www.canon-europe.com/weee ή www.canon-europe.com/battery.

#### Gjelder kun den europeiske union og EØS (Norge, Island og Liechtenstein)



Disse symbolene indikerer at dette produktet ikke skal kastes sammen med husholdningsavfall, i henhold til WEEE-direktivet (2012/19/EU), batteridirektivet (2006/66/EF) og/eller nasjonal lov som har implementert disse direktivene. Hvis et kjemisk symbol vises under symbolet vist ovenfor, i samsvar med batteridirektivet, indikerer dette at et tungmetall (Hg = kvikksølv, Cd = kadmium, Pb = bly) finnes i batteriet eller akkumulatoren i en konsentrasjon over en gjeldende øvre grense som er spesifisert i batteridirektivet. Produktet må leveres til et dertil egnet innsamlingspunkt, det vil si på en autorisert en-til-en-basis når en kjøper et nytt lignende produkt, eller til et autorisert innsamlingssted for resirkulering av avfall fra elektrisk og elektronisk utstyr (EE-utstyr) og batterier og akkumulatorer. Feil håndtering av denne typen avfall kan være miljø- og helseskadelig på grunn av potensielt skadelige stoffer som ofte brukes i EE-utstyr. Din innsats for korrekt avhending av produktet vil bidra til effektiv bruk av naturressurser. Du kan få mer informasjon om resirkulering av dette produktet ved å kontakte lokale myndigheter,

avfallsadministrasjonen, et godkjent program eller husholdningens renovasjonsselskap, eller gå til www.canon-europe.com/weee, eller www.canon-europe.com/battery.

#### Vain Euroopan unionin sekä ETA:n (Norja, Islanti ja Liechtenstein) alueelle.



Nämä tunnukset osoittavat, että sähkö- ja elektroniikkalaiteromua koskeva direktiivi (SER-direktiivi, 2012/19/EU), paristoista ja akuista annettu direktiivi (2006/66/EY) sekä kansallinen lainsäädäntö kieltävät tuotteen hävittämisen talousjätteen mukana. Jos yllä olevan symbolin alapuolelle on paristodirektiivin mukaisesti painettu kemiallisen aineen tunnus, kyseinen paristo tai akku sisältää raskasmetalleja (Hg = elohopea, Cd = kadmium, Pb = lyijy) enemmän kuin paristodirektiivin salliman määrän. Tuote on vietävä asianmukaiseen keräyspisteeseen, esimerkiksi kodinkoneliikkeeseen uutta vastaavaa tuotetta ostettaessa tai viralliseen sähkö- ja elektroniikkalaiteromun tai paristojen ja akkujen keräyspisteeseen. Sähkö- ja kittämäinen säästää myös luonnonvaroja. Jos haluat lisätietoja tämän tuotteen kierrätyksestä, ota yhteys kunnan jätehuoltoviranomaisiin tai käyttämääsi jätehuoltoyhtiöön tai käy osoitteessa www.canon-europe.com/weee, tai www.canon-europe.com/battery.

#### Endast för Europeiska unionen och EES (Norge, Island och Liechtenstein)



De här symbolerna visar att produkten inte får sorteras och slängas som hushållsavfall enligt WEEEdirektivet (2012/19/EU), batteridirektivet (2006/66/EG) och/eller nationell lagstiftning som implementerar dessa direktiv. Om en kemisk symbol förekommer under ovanstående symbol innebär detta enligt Batteridirektivet att en tungmetall (Hg = Kvicksilver, Cd = Kadmium, Pb = Bly) förekommer i batteriet eller ackumulatorn med en koncentration som överstiger tillämplig gräns som anges i Batteridirektivet. Produkten ska lämnas in på en avsedd insamlingsplats, t.ex. på en återvinningsstation auktoriserad att hantera elektrisk och elektronisk utrustning (EE-utrustning) samt batterier och ackumulatorer eller hos handlare som är auktoriserade att byta in varor då nya, motsvarande köps (en mot en). Olämplig hantering av avfall av den här typen kan ha negativ inverkan på miljön och människors hälsa på grund av de potentiellt farliga ämnen som kan återfinnas i elektrisk och elektronisk utrustning. Din medverkan till en korrekt avfallshantering av produkten bidrar till effektiv användning av naturresurserna. Om du vill ha mer information om var du kan lämna in den här produkten, kontakta ditt lokala kommunkontor, berörd myndighet eller företag för avfallshantering eller se www.canon-europe.com/weee, eller www.canoneurope.com/battery.

#### Pouze Evropská unie a EHP (Norsko, Island a Lichtenštejnsko)



Tento symbol znamená, že podle směrnice OEEZ (2012/19/EU), směrnice o bateriích (2006/66/ES) a/ nebo podle vnitrostátních právních prováděcích předpisů k těmto směrnicím nemá být tento výrobek likvidován s odpadem z domácností. Je-li v souladu s požadavky směrnice o bateriích vytištěna pod výše uvedeným symbolem chemická značka, udává, že tato baterie nebo akumulátor obsahuje těžké kovy (Hg = rtuť, Cd = kadmium, Pb = olovo) v koncentraci vyšší, než je příslušná hodnota předepsaná směrnicí. Tento výrobek má být vrácen do určeného sběrného místa, např. v rámci autorizovaného systému odběru jednoho výrobku za jeden nově prodaný podobný výrobek, nebo do autorizovaného sběrného místa pro recyklaci odpadních elektrických a elektronických zařízení (OEEZ), baterií a akumulátorů. Nevhodné nakládání s tímto druhem odpadu by mohlo mít negativní dopad na životní prostředí a lidské zdraví, protože elektrická a elektronická zařízení zpravidla obsahují potenciálně nebezpečné látky. Vaše spolupráce na správné likvidaci tohoto výrobku napomůže efektivnímu využívání přírodních zdrojů. Chcete-li získat podrobné informace týkající se recyklace tohoto výrobku, obraťte se prosím na místní úřad, orgán pro nakládání s odpady, schválený systém nakládání s odpady či společnost zajišťující likvidaci domovního odpadu, nebo navštivte webové stránky www.canon-europe.com/weee nebo www.canon-europe.com/battery.

# Csak az Európai Unió és az EGT (Norvégia, Izland és Liechtenstein) országaiban



Ezek a szimbólumok azt jelzik, hogy a termék hulladékkezelése a háztartási hulladéktól különválasztva, az elektromos és elektronikus berendezések hulladékairól (WEEE) szóló (2012/19/EU) irányelvnek és az elemekről és akkumulátorokról, valamint a hulladék elemekről és akkumulátorokról szóló (2006/66/EK) irányelvnek megfelelően és/vagy ezen irányelveknek megfelelő helyi előírások szerint történik. Amennyiben a fent feltüntetett szimbólum alatt egy vegyjel is szerepel, az elemekről és akkumulátorokról szóló irányelvben foglaltak értelmében ez azt jelzi, hogy az elem vagy az akkumulátor az irányelvben meghatározott határértéknél nagyobb mennyiségben tartalmaz nehézfémet (Hg = higany, Cd = kadmium, Pb = ólom). E terméket az arra kijelölt gyűjtőhelyre kell juttatni – pl. hasonló termék vásárlásakor a régi

becserélésére vonatkozó hivatalos program keretében, vagy az elektromos és elektronikus berendezések (EEE) hulladékainak gyűjtésére, valamint a hulladék elemek és hulladék akkumulátorok gyűjtésére kijelölt hivatalos gyűjtőhelyre. Az ilyen jellegű hulladékok nem előírásszerű kezelése az elektromos és elektronikus berendezésekhez (EEE) általánosan kapcsolható potenciálisan veszélyes anyagok révén hatással lehet a környezetre és az egészségre. E termék megfelelő leselejtezésével Ön is hozzájárul a természeti források hatékony használatához. A termék újrahasznosítását illetően informálódjon a helyi polgármesteri hivatalnál, a helyi közterület-fenntartó vállalatnál, a hivatalos hulladéklerakó telephelyen vagy a háztartási hulladék begyűjtését végző szolgáltatónál, illetve látogasson el a www.canon-europe.com/battery internetes oldalra.

#### Tylko dla krajów Unii Europejskiej oraz EOG (Norwegia, Islandia i Liechtenstein)



Te symbole oznaczają, że produktu nie należy wyrzucać razem z odpadami gospodarstwa domowego, zgodnie z dyrektywą WEEE w sprawie zużytego sprzętu elektrycznego i elektronicznego (2012/19/UE) lub dyrektywą w sprawie baterii (2006/66/WE) bądź przepisami krajowymi wdrażającymi te dyrektywy. Jeśli pod powyższym symbolem znajduje się symbol chemiczny, zgodnie z dyrektywą w sprawie baterii oznacza to, że bateria lub akumulator zawiera metal ciężki (Hg = rtęć, Cd = kadm, Pb = ołów) w stężeniu przekraczającym odpowiedni poziom określony w dyrektywie w sprawie baterii. Użytkownicy baterii i akumulatorów mają obowiązek korzystać z dostępnego programu zwrotu, recyklingu i utylizacji baterii oraz akumulatorów. Niewłaściwe postępowanie z tego typu odpadami może mieć wpływ na środowisko i zdrowie ludzi ze względu na substancje potencjalnie niebezpieczne, związane ze zużytym sprzętem elektrycznym i elektronicznym. Państwa współpraca w zakresie właściwej utylizacji tego produktu przyczyni się do efektywnego wykorzystania zasobów naturalnych. W celu uzyskania informacji o sposobie recyklingu tego produktu prosimy o kontakt z właściwym urzędem miejskim lub zakładem gospodarki komunalnej bądź zapraszamy na stronę www.canon-europe.com/weee, lub www.canoneurope.com/battery.

#### Platí len pre štáty Európskej únie a EHP (Nórsko, Island a Lichtenštajnsko)



Tieto symboly označujú, že podľa Smernice o odpade z elektrických a elektronických zariadení (OEEZ) 2012/19/EÚ, Smernice o batériách (2006/66/ES) a podľa platnej legislatívy Slovenskej republiky sa tento produkt nesmie likvidovať spolu s komunálnym odpadom. Ak je chemická značka vytlačená pod vyššie uvedeným symbolom, znamená to, že táto batéria alebo akumulátor obsahuje ťažký kov (Hg = ortuť, Cd = kadmium, Pb = olovo) v koncentrácii vyššej, ako je príslušná povolená hodnota stanovená v Smernici o batériách. Produkt je potrebné odovzdať do určenej zberne, napr. prostredníctvom výmeny za kúpu nového podobného produktu, alebo na autorizované zberné miesto, ktoré spracúva odpad z elektrických a elektronických zariadení (EEZ), batérií a akumulátorov. Nesprávna manipulácia s takýmto typom odpadu môže mať negatívny vplyv na životné prostredie a ľudské zdravie, pretože elektrické a

produktu prispejete k účinnému využívaniu prírodných zdrojov. Ďalšie informácie o recyklácii tohto produktu získate od miestneho úradu, úradu životného prostredia, zo schváleného plánu OEEZ alebo od spoločnosti, ktorá zaisťuje likvidáciu komunálneho odpadu. Viac informácií nájdete aj na webovej stránke: www.canon-europe.com/weee, alebo www.canon-europe.com/battery.

## Üksnes Euroopa Liit ja EMP (Norra, Island ja Liechtenstein)



Antud sümbolid viitavad sellele, et vastavalt elektri- ja elektroonikaseadmete jäätmeid käsitlevale direktiivile (2012/19/EL), patareisid ja akusid ning patarei- ja akujäätmeid käsitlevale direktiivile (2006/66/EÜ) ja/või nimetatud direktiive rakendavatele riiklikele õigusaktidele ei või seda toodet koos olmejäätmetega ära visata. Kui keemiline sümbol on trükitud eespool toodud sümboli alla, siis tähendab see, et antud patareis või akus leiduva raskemetalli (Hg = elavhõbe, Cd = kaadmium, Pb = plii) kontsentratsioonitase on kõrgem kui patareisid ja akusid ning patarei- ja akujäätmeid käsitlevas direktiivis sätestatud piirmäär. Antud tootest tekkinud jäätmed tuleb anda vastavasse kogumispunkti, nt müügipunkti, mis on volitatud üks ühe vastu vahetama, kui ostate uue sarnase toote, või vastavasse elektri- ja lektroonikaseadmete jäätmete ning patareide ja akude ümbertöötlemiseks mõeldud kogumispunkti. Antud liiki jäätmete vale käitlemine võib kahjustada keskkonda ja inimeste tervist elektri- ja elektroonikajäätmetes tavaliselt leiduvate potentsiaalselt ohtlike ainete tõttu. Antud tootest tekkinud jäätmete nõuetekohase kõrvaldamisega aitate kasutada loodusvarasid efektiivselt. Täiendava teabe saamiseks elektri- ja elektroonikaseadmetest tekkinud jäätmete ning patarei- ja akujäätmete tagastamise ja ümbertöötlemise kohta võtke ühendust kohaliku omavalitsusega, asjakohase valitsusasutusega, asjakohase tootjavastutusorganisatsiooniga või olmejäätmete käitlejaga. Lisateavet leitate ka Internetileheküljelt www.canon-europe.com/weee või www.canon-europe.com/battery.

### Tikai Eiropas Savienībai un EEZ (Norvēģijai, Islandei un Lihtenšteinai)



Šie simboli norāda, ka atbilstoši ES Direktīvai (2012/19/ES) par elektrisko un elektronisko iekārtu atkritumiem (EEIA), Direktīvai (2006/66/EK) par baterijām un akumulatoriem, un akumulatoru atkritumiem, ar ko atceļ Direktīvu 91/157/EEK, un vietējiem tiesību aktiem šo izstrādājumu nedrīkst izmest kopā ar sadzīves atkritumiem. Ja zem iepriekš norādītā simbola ir uzdrukāts ķīmiskais simbols, saskaņā ar direktīvu par baterijām un akumulatoriem tas nozīmē, ka šīs baterijas vai akumulatori satur smagos metālus (Hg = dzīvsudrabs, Cd = kadmijs, Pb = svins) un to koncentrācijas līmenis pārsniedz direktīvā par baterijām un akumulatoriem minēto piemērojamo slieksni. Šis izstrādājums ir jānodod piemērotā savākšanas vietā, piemēram, apstiprinātā veikalā, kur iegādājaties līdzīgu jaunu produktu un atstājat veco, vai apstiprinātā vietā izlietotu elektrisko un elektronisko iekārtu un bateriju un akumulatoru pārstrādei. Nepareiza šāda veida atkritumu apsaimniekošana var apdraudēt vidi un cilvēka veselību tādu iespējami bīstamu vielu dēļ, kas parasti ir elektriskajās un elektroniskajās iekārtās. Jūsu atbalsts pareizā šāda veida atkritumu apsaimniekošanu otrreizējai pārstrādei, sazinieties ar vietējo pašvaldību, atkritumu savākšanas atbildīgo dienestu, pilnvaroto organizāciju vai iestādi, kas veic sadzīves

atkritumu apsaimniekošanu, vai apmeklējiet tīmekļa vietni www.canon-europe.com/weee, vai www.canoneurope.com/battery.

## Tik Europos Sąjungai ir EEE (Norvegijai, Islandijai ir Lichtenšteinui)



Šie simboliai reiškia, kad šio gaminio negalima išmesti į buitines atliekas, kaip reikalaujama WEEE Direktyvoje (2012/19/ES) ir Baterijų direktyvoje (2006/66/EB) ir (ar) jūsų šalies nacionaliniuose įstatymuose, kuriais šios Direktyvos yra įgyvendinamos. Jeigu cheminio ženklo simbolis yra nurodytas žemiau šio ženklo, tai reiškia, kad vadovaujantis Baterijų direktyvą, baterijų ar akumuliatorių sudėtyje yra sunkiųjų metalų (Hg = gyvsidabrio, Cd = kadmio, Pb = švino), kurių koncentracija viršija Baterijų direktyvoje nurodytas leistinas ribas. Šį gaminį reikia pristatyti į specialųjį surinkimo punktą, pavyzdžiui, mainais, kai jūs perkate naują panašų gaminį, arba į specialiąją surinkimo vietą, kurioje perdirbamos elektrinės ir elektroninės įrangos atliekos bei naudotos baterijos ir akumuliatoriai. Dėl netinkamo šio tipo atliekų tvarkymo gali nukentėti aplinka ir iškilti grėsmė žmogaus sveikatai dėl galimai kenksmingų medžiagų, iš esmės susijusių su elektrine ir elektronine įranga. Bendradarbiaudami ir teisingai utilizuodami šiuos gaminius, jūs padėsite efektyviai naudoti gamtinius išteklius. Daugiau informacijos apie gaminio perdirbimą jums gali suteikti vietinis biuras, atliekų tvarkymo bendrovė, sertifikuoti organai ar buitinių atliekų surinkimo įmonės. Taip pat siūloma apsilankyti interneto svetainėje www.canoneurope.com/weee, arba www.canon-europe.com/battery.

## Samo za Evropsko unijo in EGP (Norveška, Islandija in Lihtenštajn)



Ti simboli pomenijo, da tega izdelka skladno z Direktivo OEEO (2012/19/EU), Direktivo 2006/66/ES in/ali nacionalno zakonodajo, ki uvaja ti direktivi, ne smete odlagati z nesortiranimi gospodinjskimi odpadki. Če je pod zgoraj prikazanim simbolom natisnjen kemijski simbol, to v skladu z Direktivo pomeni, da je v tej bateriji ali akumulatorju prisotna težka kovina (Hg = živo srebro, Cd = kadmij, Pb = svinec), in sicer v koncentraciji, ki je nad relevantno mejno vrednostjo, določeno v Direktivi. Ta izdelek je potrebno odnesti na izbrano zbirno mesto, t. j. pooblaščeno trgovino, kjer ob nakupu novega (podobnega) izdelka vrnete starega, ali na pooblaščeno zbirno mesto za ponovno uporabo odpadne električne in elektronske opreme (EEO) ter baterij in akumulatorjev. Neustrezno ravnanje s to vrsto odpadkov lahko negativno vpliva na okolje in človeško zdravje zaradi potencialno nevarnih snovi, ki so pogosto povezane z EEO. Vaše sodelovanje pri pravilnem odlaganju tega izdelka predstavlja pomemben prispevek k smotrni izrabi naravnih virov. Za več informacij o ponovni uporabi tega izdelka se obrnite na lokalen mestni urad, pristojno službo za odpadke, predstavnika pooblaščenega programa za obdelavo odpadkov ali na lokalno komunalo. Lahko pa tudi obiščete našo spletno stran www.canon-europe.com/weee, ali www.canon-europe.com/battery.

### Само за Европейския съюз и ЕИП (Норвегия, Исландия и Лихтенщайн)



Тези символи показват, че този продукт не трябва да се изхвърля заедно с битовите отпадъци съгласно Директивата за ИУЕЕО (2012/19/ЕС), Директивата за батерии (2006/66/ЕО) и/или Вашето национално законодателство, прилагащо тези Директиви. Ако под показания горе символ е отпечатан символ за химически елемент, съгласно разпоредбите на Директивата за батерии, този втори символ означава наличието на тежък метал (Hg = живак, Cd = кадмий, Pb = олово) в батерията или акумулатора в концентрация над указаната граница за съответния елемент в Директивата. Този продукт трябва да бъде предаден в предназначен за целта пункт за събиране, например на база размяна, когато купувате нов подобен продукт, или в одобрен събирателен пункт за рециклиране на излязло от употреба електрическо и електронно оборудване (ИУЕЕО), батерии и акумулатори. Неправилното третиране на този тип отпадъци може да доведе до евентуални отрицателни последствия за околната среда и човешкото здраве поради потенциално опасните вещества, които обикновено са свързани с ЕЕО. В същото време Вашето съдействие за правилното изхвърляне на този продукт ще допринесе за ефективното използване на природните ресурси. За повече информация относно това къде можете да предадете за рециклиране на този продукт, моля свържете се с Вашите местни власти, с органа, отговорен за отпадъците, с одобрената система за ИУЕЕО или с Вашата местна служба за битови отпадъци, или посетете www.canon-europe.com/weee, или www.canon-europe.com/battery.

### Doar pentru Uniunea Europeană și EEA (Norvegia, Islanda și Liechtenstein)



Aceste simboluri indică faptul că acest produs nu trebuie aruncat împreună cu deşeurile menajere, în conformitate cu Directiva DEEE (2012/19/UE), Directiva referitoare la baterii (2006/66/CE) şi/sau legile dvs. naţionale ce implementează aceste Directive. Dacă un simbol chimic este imprimat sub simbolul de mai sus, în conformitate cu Directiva referitoare la baterii, acest simbol indică prezenţa în baterie sau acumulator a unui metal greu (Hg = Mercur, Cd = Cadmiu, Pb = Plumb) într-o concentraţie mai mare decât pragul admis specificat în Directiva referitoare la baterii. Acest produs trebuie înmânat punctului de colectare adecvat, ex: printr-un schimb autorizat unu la unu atunci când cumpăraţi un produs nou similar sau la un loc de colectare autorizat pentru reciclarea reziduurilor de echipament electric şi electronic (EEE) şi baterii şi acumulatori. Administrarea neadecvată a acestui tip de deşeuri, ar putea avea un impact asupra mediului şi asupra sănătăţii umane datorită substanţelor cu potenţial de risc care sunt în general asociate cu EEE. Cooperarea dvs. în direcţia reciclării corecte a acestui produs va contribui la o utilizare eficientă a resurselor naturale. Pentru mai multe informaţii despre reciclarea acestui produs, vă rugăm să contactaţi biroul dvs. local, autorităţile responsabile cu deşeurile, schema aprobată sau serviciul dvs. responsabil cu deşeurile menajere sau vizitaţi-ne la www.canon-europe.com/weee, sau www.canon-europe.com/battery.

## Samo za Europsku uniju i EEA (Norveška, Island i Lihtenštajn)



Oznaka pokazuje da se ovaj proizvod ne smije odlagati s komunalnim i ostalim vrstama otpada, u skladu s direktivom WEEE (2012/19/EC), Direktivom o baterijama (2006/66/EC) i Pravilnikom o gospodarenju otpadnim baterijama i akumulatorima te Pravilnikom o gospodarenju otpadnim električnim i elektroničkim uređajima i opremom. Ako je ispod prethodno prikazane oznake otisnut kemijski simbol, u skladu s Direktivom o baterijama, to znači da se u ovoj bateriji ili akumulatoru nalazi teški metal (Hg = živa, Cd = kadmij, Pb = olovo) i da je njegova koncentracija iznad razine propisane u Direktivi o baterijama. Ovaj bi proizvod trebalo predati ovlašenom skupljaču EE otpada ili prodavatelju koji je dužan preuzeti otpadni proizvod po sistemu jedan za jedan, ukoliko isti odgovara vrsti te je obavljao primarne funkcije kao i isporučena EE oprema. Otpadne baterije i akumulatori predaju se ovlaštenom skupljaču otpadnih baterija ili akumulatora ili prodavatelju bez naknade i obveze kupnje za krajnjeg korisnika. Neodgovarajuće rukovanje ovom vrstom otpada može utjecati na okoliš i ljudsko zdravlje zbog potencijalno opasnih supstanci koje se najčešće nalaze na takvim mjestima. Vaša suradnja u pravilnom zbrinjavanju ovog proizvoda pridonijet će djelotvornom iskorištavanju prirodnih resursa. Dodatne informacije o recikliranju ovog proizvoda zatražite od svog lokalnog gradskog ureda, službe za zbrinjavanje otpada, odobrenog programa ili komunalne službe za uklanjanje otpada ili pak na stranicama www.canon-europe.com/weee ili www.canon-europe.com/battery.

### Korisnici u Srbiji



Ovaj simbol označava da ovaj proizvod ne sme da se odlaže sa ostalim kućnim otpadom, u skladu sa WEEE Direktivom (2012/19/EU), Direktivom o baterijama (2006/66/EC) i nacionalnim zakonima. Ukoliko je ispod gore navedenog simbola odštampan hemijski simbol, u skladu sa Direktivom o baterijama, ovaj simbol označava da su u ovoj bateriji ili akumulatoru prisutni teški metali (Hg – živa, Cd – kadmijum, Pb - olovo) u koncentracijama koje premašuju prihvatljivi prag naveden u Direktivi o baterijama. Ovaj proizvod treba predati određenom centru za prikupljanje, npr. po principu "jedan-za-jedan" kada kupujete sličan novi proizvod, ili ovlašćenom centru za prikupljanje za reciklažu istrošene električne i elektronske opreme (EEE), baterija i akumulatora. Nepravilno rukovanje ovom vrstom otpada može imati negativne posledice po životnu sredinu i ljudsko zdravlje usled potencijalno opasnih materijala koji se uglavnom vezuju za EEE. Vaša saradnja na ispravnom odlaganju ovog proizvoda će doprineti efikasnom korišćenju prirodnih resursa. Više informacija o tome kako možete da reciklirate ovaj proizvod potražite od lokalnih gradskih vlasti, komunalne službe, odobrenog plana reciklaže ili servisa za odlaganje kućnog otpada, ili posetite stranicu www.canon-europe.com/weee, ili www.canon-europe.com/battery.

# **Basic Printing Workflow**

- ➡ Printing procedure
- Canceling print jobs
- ➡ Pausing Printing

# **Printing procedure**

- Printing Options Using Rolls and Sheets
- ➡ Turning the Printer On and Off
- ➡ Loading and Printing on Rolls
- ➡ Loading and Printing on Sheets
- ➡ Printing in Windows
- ➡ Printing from Mac OS

## **Printing Options Using Rolls and Sheets**

The printer supports both rolls and sheets.

This section introduces the main features of each, as well as the main printing methods available. Select rolls or sheets to suit your particular printing application.

#### >>>Note

- For information on the types of paper the printer supports, see "Types of Paper."
- A variety of other ways to print are available besides those introduced here. For details, see "<u>Enhanced</u> <u>Printing Options</u>."

### **Roll printing**

Media in spooled rolls is generally called Roll Media. Rolls are loaded on the Roll Holder, which are in turn loaded in the printer.

Rolls can be used to print large photos or create posters or banners that cannot be printed on regular sheets.

• Large-format printing

Easily print vertical or horizontal banners from familiar applications such as Microsoft Office applications.

(See "Printing Hanging and Horizontal Banners (Large-Format Printing)" (Windows).)

(See "Printing Hanging and Horizontal Banners (Large-Format Printing)" (Mac OS).)

· Borderless printing

Print without a margin (border) around posters or photos.

(See "Prints without Edges Based on the Scenarios" (Windows).)

(See "Prints without Edges Based on the Scenarios" (Mac OS).)

Banner printing

You can print multiple pages as a single continuous image, without margins between pages.

(See "Printing by Connecting Multiple Pages" (Windows).)

(See "Printing by Connecting Multiple Pages" (Mac OS).)

· 90-degree rotation before printing

Originals in portrait orientation are rotated 90 degrees when possible to use paper more efficiently.

(See "Saving Roll Paper by Rotating Document 90 Degrees" (Windows).)

(See "Saving Roll Paper by Rotating Document 90 Degrees" (Mac OS).)

· Enlarged/reduced printing

You can freely adjust the size of originals by enlarging or reducing originals before printing.

(See "Scaled Printing" (Windows).)

(See "Scaled Printing" (Mac OS).)

• Free Layout (Windows) and imagePROGRAF Free Layout (Mac OS)

Print multiple documents from multiple applications (such as word-processing programs, spreadsheet programs, and so on) next to each other.

(See "Lining Up and Printing Multiple Documents" (Windows).)

(See "Lining Up and Printing Multiple Documents" (Mac OS).)

### >>>Note

- Setting the optional roll unit to feed mode and loading roll paper in both the Roll 1 (Upper) and Roll 2 (Lower) holders offers the following advantages.
  - Save the time and effort of switching paper

By loading roll paper of different media types or paper sizes on the upper and lower rolls, you can select the roll paper in **Paper Source** in the printer driver when printing, eliminating the effort it takes to replace the roll.

(See "Page Setup Tab Description" (Windows).)

(See "Quality & Media" (Mac OS).)

• Automatic selection of the right paper for the print job

Selecting **Roll Paper (Auto)** in **Paper Source** in the printer driver enables automatic selection and printing on the roll that suits the print job from the loaded rolls.

(See "Printing by Automatically Switching Upper-level and Lower-level Roll Papers" (Windows).)

(See "Printing by Automatically Switching Upper-level and Lower-level Roll Papers" (Mac OS).)

### Sheet printing

Sheets refer to individual sheets of paper.

Insert the sheet between the platen and the paper retainer.

· Enlarged/reduced printing

You can freely adjust the size of originals by enlarging or reducing originals before printing.

(See "Scaled Printing" (Windows).)

(See "Scaled Printing" (Mac OS).)

• Free Layout (Windows) and imagePROGRAF Free Layout (Mac OS)

Print multiple documents from multiple applications (such as word-processing programs, spreadsheet programs, and so on) next to each other.

(See "Lining Up and Printing Multiple Documents" (Windows).)

(See "Lining Up and Printing Multiple Documents" (Mac OS).)

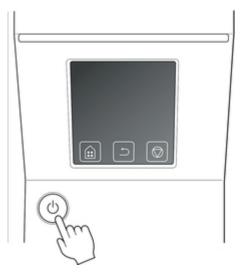
## Turning the Printer On and Off

## Turning the printer on

1. Press **ON** button to turn on printer.

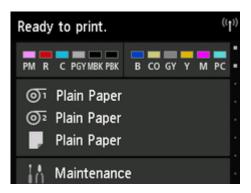
The printer will now start up.

The Canon logo appears on the touch screen, and then "Starting the system Please wait." appears.



2. When startup is finished, **ON** button lights up, and printer enters standby mode.





The printer will not enter standby mode in the following situations. Take action as necessary.

- The top cover is open Close the top cover.
- The ink tank cover is open Close the ink tank cover.
- The print head is not installed
   Replacing the Print Head
- The ink tank is not installed
  - Replacing Ink Tanks
- **Error** appears on touch screen Check the message on the touch screen and take action as necessary.
- The **ON** button and **Status** lamp never light up, and nothing appears on the touch screen Make sure the printer is plugged in correctly. Check the connection at the plug and electrical outlet.
- No paper is loaded
   Load paper. (See "Loading and Printing on Rolls.") (See "Loading and Printing on Sheets.")

## Turning the printer off

### >>>>Important

- Never disconnect the printer's power supply or unplug it during a print job. This may damage the printer.
- 1. Make sure no print jobs are in progress.

While the **Status** lamp is flashing, the printer is running. The color of the lamp indicates the following states.



If the **Status** lamp is flashing orange, check the message on the touch screen and take action as necessary.

If the **Status** lamp is flashing white, the printer is receiving a print job. Turn off the printer after printing is finished.

2. Hold down the **ON** button for more than a second.



"Ending Please wait a while." appears on the touch screen, and the printer turns off.

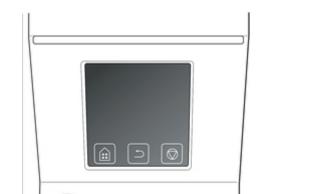
## Loading and Printing on Rolls

These are the basic steps for loading and printing on rolls.

Follow these steps to load and print on rolls.

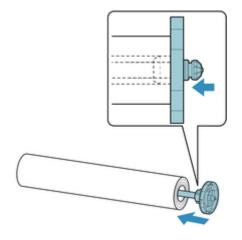
#### Note

- For details on roll paper sizes and types that can be used, see "<u>Paper Sizes</u>" or "Paper Information List".
- To wait until the ink dries after printing before cutting the roll, set Drying Time in the printer driver. (See "Specifying the Ink Drying Time for Rolls.")
- Once you have used all the paper on a roll, clean the platen. If the platen inside the top cover becomes dirty, it may soil the underside of paper. (See "<u>Cleaning Inside the Top Cover</u>.")

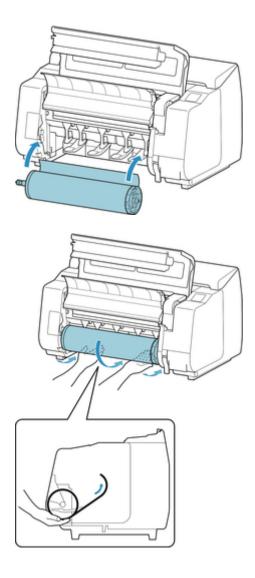


1. Turn the printer on. (See "Turning the Printer On and Off.")

2. Load a roll on the Roll Holder. (See "Loading Rolls on the Roll Holder.")



Load roll paper in printer or roll unit. (See "Loading the Upper Roll on the Printer.") (See "Loading the Lower Roll on the Roll Unit (Option).")



4. Select the type of paper. (See "Changing the Type of Paper.")

### >>>Note

- If no barcode has been printed on the roll paper and you have set Manage remaining roll amount to Enable, specify the roll length after selecting the media type. (See "Specifying the Paper Length.")
- 5. Complete settings in the printer driver for the type of paper and other details.
  - How to Open the Printer Driver Setup Window (Windows)
  - How to Open the Printer Driver Setup Window (Mac OS)

Media Type :	Plain Paper		
	Get Information	Specify	
Easy Setting	• ~		
Print Target :			
9/9/06/	Default Settings Photo Colori		
20 M	Phote (Monochrome)		
158 Ch.	Poser		
			_
Print Quality :	Standard		Y
		contain a moture of	^
			v
	[	Vew Settings	
Preview bef	ore printing		
			-
	Easy Setting Print Target : Print Quality : Suitable for g best, photogr	Get Infigmation Easy Settings Pipt Target : Default Settings Photo (Color) Proto (Monochrome) Poster Print Quality : Standard	Get Infgrmation     Specify       Easy Settings        Pipt Target :     Photo (Color)       Photo (Color)     Photo (Color)       Poster     Poster   Print Quality : Standard Suitable for printing nomal documents that contain a moture of best, photographs and graphics.       Mew Settings

- 6. Send the print job.
  - Printing in Windows
  - Printing from Mac OS

The printer now starts printing the print job.

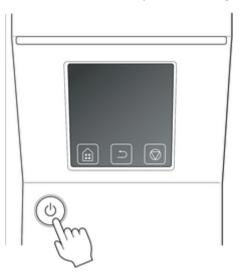
## Loading and Printing on Sheets

These are the basic steps for loading sheets and then printing.

Follow the steps below to load and print on sheets.

#### Note

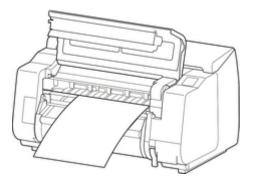
- For details on paper sizes and types that can be loaded, see "Paper Sizes" or "Paper Information List".
- Borderless printing is not supported on sheets. For the features and the main printing methods available for sheet printing, see "Printing Options Using Rolls and Sheets."
- 1. Turn the printer on. (See "Turning the Printer On and Off.")



- 2. Complete settings in the printer driver for the type of paper and other details.
  - How to Open the Printer Driver Setup Window (Windows)
  - How to Open the Printer Driver Setup Window (Mac OS)

	Media Type :	Plain Paper	
	mean (fre :	Get Information	Specity
	Easy Setting		
	Print Target :		
	95500	Default Settings Photo (Color)	
Letter (8.5"x11") :		Photo (Monochrome)	
8 50 in x 11 00 in Actual Size	Store Store	Poster	
Letter (8.5"x11") :			
8 50 in x 11.00 in	Print Quality :	Standard	~
8	Sutable for p text, photogr	vinting normal documents that o aphs and graphics.	contain a midure of
- ACTO			
			~
N S		[	Vew Settings
	Preview bet	an edition	
	C Hever be	ore printing	

- 3. Send the print job.
  - Printing in Windows
  - Printing from Mac OS
- 4. Load the sheet. (See "Loading Sheets in the Printer.")



Start printing.

## **Printing in Windows**

Print from the application menu.

#### >>>Important

- We recommend exiting unnecessary applications before printing. Running several applications while printing may interrupt the transfer of print data and affect printing quality.
- 1. In the source application, select **Print** from the **File** menu to display the dialog box for printing conditions.
- 2. After confirming that the printer is selected in the dialog box, click **Print** or **OK** to start printing.

#### >>>Note

• The appearance of the dialog box varies depending on the software application. In most cases, the dialog box includes basic printing options and enables you to choose the printer, specify the range of pages, number of copies, and so on.

Example: Print dialog box displayed by the application

General Options	
Select Printer	
Add Printer	
Fax	
anon 🔚	
Status: Readv	
Status: Ready Location:	Print to file Preferences
Comment:	Fin <u>d</u> Printer
Page Range	
	Number of cosies: 1
Selection Ourrent Page	Number of <u>c</u> opies: 1
	Collate
· -	11 22 33
Enter either a single page number or a single page range. For example, 5–12	
	int Cancel Apply

• If another printer is selected, select the printer you want to use under **Select Printer** or in the dialog box displayed after clicking **Printer**.

You can use the printer driver dialog box to configure various printing settings such as for enlarged or reduced printing and borderless printing. You can open the printer driver dialog box from the application

software or from the operating system menu. For details, see "<u>How to Open the Printer Driver Setup</u> <u>Window</u>" (Windows) or "How to Open the Printer Driver Setup Window" (Mac OS).

## **Printing from Mac OS**

Print from the application menu after registering the printer.

#### >>>>Important

• We recommend exiting unnecessary applications before printing. Running several applications while printing may interrupt the transfer of print data and affect printing quality.

### **Registering the printer**

The printer needs to be registered in **Print & Scan** (identified as **Printers & Scanners** or **Print & Fax** in other versions of Mac OS X) in **System Preferences** before printing.

For instructions on registering printers, see "Sharing the Printer on a Network (Mac OS)."

#### >>>>Important

• During this setup process, the printer will not be listed among available printers if it is off or disconnected.

### Printing from the application software

1. In the application software, select **Print** from the **File** menu to display the dialog box for printing conditions.

#### Note

- This dialog box includes basic printing options and enables you to choose the printer, specify the range of pages, number of copies, and so on.
- 2. Select the printer in the Printer list.

	Printer: Ca	non 📀
· · · · · · · · · · · · · · · · · · ·	Presets: De	fault Settings
	Copies: 1	
	Pages: OA	ll irom: 1 to: 1
	Paper Size: A4	210 by 297 mm
	Orientation:	Scale: 100 %
	No	ites 📀
		Print header and footer
		Rewrap contents to fit page
? PDF V Hide Details		Cancel Print

3. Click **Print** to start printing.

As shown in the following illustration, you can switch to other panes in this dialog box to complete settings for various methods of printing, including enlarged and reduced printing, borderless printing, and so on.

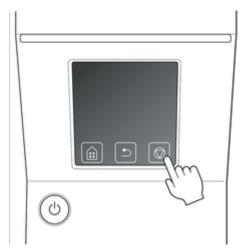
	Printer: Canon	
· · · · · · · · · · · · · · · · · · ·	Presets: Default Settings	
	Copies: 1	
	Pages: O All From: 1 to: 1	
	Paper Size: A4 210 by 297 mm	
	Orientation:	
	✓ Notes	
	Layout Color Matching Paper Handling Cover Page	
	Quality & Media	
PDF V Hide Details	Color Options Paper Detailed Settings ncel Processing Additional Settings	rint

# **Canceling print jobs**

- Canceling Print Jobs from the Control Panel
- ➡ Canceling Print Jobs from Windows
- Canceling Print Jobs from Mac OS

## **Canceling Print Jobs from the Control Panel**

To cancel printing or reception of print jobs, press the **Stop** button on the operation panel.



When you press the **Stop** button during printing, the printer operation varies depending on the current status.

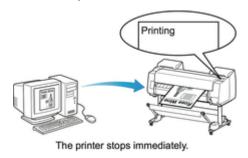
• You press the **Stop** button before printing starts Pressing the **Stop** button before printing starts displays a confirmation message. To cancel the print job, select **Yes**.



The Printer does not print.

• You press the **Stop** button during printing

Pressing the **Stop** button during printing displays a confirmation message. To cancel the print job immediately, select **Yes**.



## **Canceling Print Jobs from Windows**

In the printer window, you can cancel jobs that are being sent to the printer.

Using Canon IJ Status Monitor, you can cancel print jobs that have already been received by the printer or that are currently being printed.

1. Click the printer icon in the taskbar to display the printer window.



• You can proceed from the folder for configuring the printer settings in the OS you are using.

For example, in Windows 7, open the **Devices and Printers** window from the **start** menu and double-click the printer icon.

2. Right-click the job to cancel and select **Cancel**.

Printer Document V	iew			
Document Name	Status	Owner	Pages	Size
sample.txt - Note	Pause Restart	XXXXXXXXXX	xx	xx.x MB/xx.x MB
	Cancel			
ancels the selected o	Properties			

- 3. If job to be canceled is not shown in printer window (that is, if print data has already been received by printer), click taskbar icon to display Canon IJ Status Monitor.
- 4. Click Cancel Printing.

Canon Option Remote UI	Help	-		×
Ē	Printing.			<ul> <li></li> </ul>
Document Name: Owner: Printing Page: Remaining Printing Tim	test - Notepad 2 / 2 re of Current Page: Printing will finish soon.			
	Display Send Que	ue	Cancel <u>Prir</u>	nting
Estimated ink	levels			
Estimated Ma	intenance Catridge Usage			
Paper Feed				

### >>>Note

• The screen may differ slightly depending on the model you are using.

## **Canceling Print Jobs from Mac OS**

In the printer window, you can cancel jobs that are being sent to the printer.

### >>>Note

- Print jobs are shown in the printer window while they are being sent from the computer. After transmission, jobs are not displayed even during printing.
- 1. Click the printer icon in the **Dock** to display the printer window.
- Either click × for the job to cancel printing or select the job to cancel printing and then click Delete to delete the job.

00	📆 – 1 Job
Pause Setti	ngs
	inting

## >>>Note

 If the job to be canceled is not shown in the printer window (that is, if the print data has already been received by the printer), you can cancel printing from the operation panel on the printer or from RemoteUI. For details, "<u>Canceling Print Jobs from the Control Panel</u>" or see "<u>Changing</u> <u>Settings Using Web Browser</u>."

# **Pausing Printing**

➡ Pausing Printing

## **Pausing Printing**

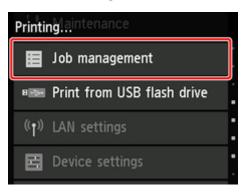
During printing, if you set **Pause printing** to **Enable**, the printer enters a state in which printing is paused, after the completion of the printing process when this setting was made.

Printing from the job queue is not possible in this state.

To restore normal operation after pausing printing, set Pause printing to Disable.

#### >>>Note

- In the following cases, the status is cleared even if you do not set **Pause printing** to **Disable**, and printing from the job queue resumes.
  - When paper is advanced
  - · If you changed the media type from the paper settings display area
- 1. Tap Job management on Home screen during printing.



#### Note

• If the Home screen does not appear, press the **Home** button.

- 2. Tap Pause printing.
- 3. Tap Enable or Disable.

## **Enhanced Printing Options**

- Printing from Your Computer (Windows)
  - Printing with Easy Setup VBasics
    - Changing the Type of Paper
  - Setting the Number of Copies and Printing Order
  - Using Roll Unit to Use 2-Level Rolls
    - About 2-Level Roll Switching
    - Setting the Paper Rolls in the Printer According to the Intended Use
    - Printing by Automatically Switching Upper-level and Lower-level Roll Papers
    - How to Switch Paper Rolls
    - Reflect Roll Unit Settings in the Printer Driver
  - Printing Photos and Business Documents
    - Printing By Setting Print Purpose
    - Edit in PosterArtist and Print
  - Changing the Print Quality and Correcting Image Data
    - Adjusting Color Balance
    - Setting the Print Quality Level (Custom)
    - Printing a Color Document in Monochrome
    - Adjusting Tone
    - Specifying Color Correction
      - Optimal Photo Printing of Image Data
      - Adjusting Colors with the Printer Driver
      - Printing with ICC Profiles
      - Interpreting the ICC Profile
    - Adjusting Brightness
    - Adjusting Contrast
    - Printing Using Detailed Setting Mode
  - Scaled Printing
  - Printing to Oversized Paper Sizes

- Setting Paper Dimensions (Custom Size)
- Prints without Edges Based on the Scenarios
  - Printing without Margins to Match Paper Size
  - Printing without Margins to Match Roll Paper Width
  - Printing Full-Size without Margins
- Changing the Clear Coating Settings
- Printing Hanging and Horizontal Banners (Large-Format Printing)
- Printing by Dividing/Joining Documents
  - Lining Up and Printing Multiple Documents
  - Printing by Connecting Multiple Pages
  - Printing Multiple Pages All on One Page
  - Dividing and Printing Posters
- Printing Document in Center of Paper
- Printing by Saving Roll Paper
  - Saving Roll Paper by Rotating Document 90 Degrees
  - Saving Roll Paper by Eliminating Upper and Lower Margins on Document
- Switching the Paper Source to Match the Purpose
- Displaying the Print Results before Printing
- Other Convenient Settings
  - Stamp Printing
    - Registering a Stamp
  - Setting a Page Size and Orientation
  - Registering a Frequently Used Printing Profile
  - Cutting Roll Paper after Printing

#### Printing from Computer (Mac OS)

- Printing with Easy Setup VBasics
  - Changing the Type of Paper
- Setting the Number of Copies and Printing Order

- Using Roll Unit to Use 2-Level Rolls
  - About 2-Level Roll Switching
  - Setting the Paper Rolls in the Printer According to the Intended Use
  - Printing by Automatically Switching Upper-level and Lower-level Roll Papers
  - How to Switch Paper Rolls
  - Reflect Roll Unit Settings in the Printer Driver
- Changing the Print Quality and Correcting Image Data
  - Adjusting Color Balance
  - Setting the Print Quality Level (Custom)
  - Printing a Color Document in Monochrome
  - Adjusting Tone
  - Specifying Color Correction
    - Optimal Photo Printing of Image Data
    - Adjusting Colors with the Printer Driver
    - Printing with ICC Profiles (Specifying an ICC Profile from the Application Software)
    - Printing with ICC Profiles (Specifying an ICC Profile from the Printer Driver)
    - Interpreting the ICC Profile
  - Adjusting Brightness
  - Adjusting Contrast
- Scaled Printing
- Printing to Oversized Paper Sizes
- Setting Paper Dimensions (Custom Size)
- Print Area
- Prints without Edges Based on the Scenarios
  - Printing without Margins to Match Roll Paper Width
  - Printing Full-Size without Margins
- Changing the Clear Coating Settings
- Printing Hanging and Horizontal Banners (Large-Format Printing)
- Printing by Dividing/Joining Documents

- Lining Up and Printing Multiple Documents
- Printing by Connecting Multiple Pages
- Printing Multiple Pages All on One Page
- Printing Document in Center of Paper
- Printing by Saving Roll Paper
  - Saving Roll Paper by Rotating Document 90 Degrees
  - Saving Roll Paper by Eliminating Upper and Lower Margins on Document
- Switching the Paper Source to Match the Purpose
- Cutting Roll Paper after Printing
- Printing Using AirPrint

### Printing from Printer

- Printing from USB Flash Drive
  - Printing Data Saved on USB Flash Drive
  - Setting Items for Printing Using Operation Panel

### Printing from Smartphone/Tablet

- Connecting Smartphone/Tablet to Printer Directly via Wireless LAN (Direct Connection)
- Printing from iOS Device (AirPrint)

## **Printing from Your Computer (Windows)**

- Printing with Easy Setup VBasic
- > Setting the Number of Copies and Printing Order
- Using Roll Unit to Use 2-Level Rolls
- Printing Photos and Business Documents
- > Changing the Print Quality and Correcting Image Data
- Scaled Printing
- Printing to Oversized Paper Sizes
- Setting Paper Dimensions (Custom Size)
- Prints without Edges Based on the Scenarios
- Changing the Clear Coating Settings
- > Printing Hanging and Horizontal Banners (Large-Format Printing)
- Printing by Dividing/Joining Documents
- Printing Document in Center of Paper
- Printing by Saving Roll Paper
- Switching the Paper Source to Match the Purpose
- > Displaying the Print Results before Printing
- Other Convenient Settings

## Printing with Easy Setup

This section describes the simple setting procedure so that you can carry out appropriate printing on this printer.

### **Printing with Easy Setup**

- 1. Check that the printer is turned on
- 2. Load paper on the printer Set <u>roll paper</u> or <u>cut paper</u> to a printer.
- 3. Open the printer driver setup window
- 4. Select the media type

Select the type of paper loaded in the printer from the Media Type list on the Main tab.

Canon Printing Preference Main Page Setup Layout Favortes	
	Media Type : Plain Paper 🗸
	Get Information Specify
Letter (8.5'x11'): 8.50 n x 11 00 in Actual Size Letter (8.5'x11'): 8.50 n x 11.00 in	Easy Settings          Print Target :          Print Quality :       Prints (Color) Proter         Print Quality :       Standard         Print Quality :       Standard         Suitable for printing normal documents that contain a midure of text, photographs and graphics.
IN	View Settings
	Status Monitor, Algout Defaults
	OK Cancel Apply Help

### >>>> Important

• See "Paper Information List" for Canon authentic paper or Canon output check paper.

#### Note

- Click Get Information... to display the Paper Information on Printer dialog box. The Paper Information on Printer dialog box allows you to get the paper information from the printer and to set the paper source and the media type on the printer driver.
- For instructions on changing the media type from the printer's operation panel, see "<u>Changing</u> the Type of Paper."
- 5. Select print target

From the pull-down menu, select **Easy Settings**, and then select the setting that matches your purpose from the **Print Target** list.

Canon Printing Preferent Main Page Setup Layout Favorter		
Letter (8.5'x11'); 8.50 in x 11.00 in	Media Type : Plain Paper Get Infgrmation Specify Easy Settings V Print Target : Print Target : Print (Color) Photo (Color) Photo (Monochrome) Poster	-
Actual Size Letter (8.5'x11'):     8.50 in x 11.00 in	Print Quality : Standard Suitable for printing normal documents that contain a mixture of text, photographs and graphics.	> <
IN	Vew Settings	~
	Status Monitor About Defaults	1
	OK Cancel Apply He	elp

6. Select the print quality

For Print Quality, select Highest, High or Standard according to your purpose.

	Media Type : Plain Paper	
	Get Information Specify	
	Easy Settings ~	
	Print Target :	
	Telefault Settings Efficient Photo (Color)	
Letter (8.5"x11") :	Photo (Monochrome)	
8.50 in x 11.00 in Actual Size		
Letter (8.5"x11") : 8.50 in x 11.00 in	Print Quality : Standard	
	Sutable for printing normal documents that contain a mixture of	
	test, photographs and graphics.	
	Vew Settings	
N		
T	Dew Setting:	

#### Important

• The print quality settings that can be selected may differ depending on a printing profile.

7. Select the paper size

From the **Page Size** list on the **Page Setup** tab, select the same size as that of the document that was created with the application software.

Canon Printing Preferer		)
	Page Size :	Letter (8.5"x11") ~
	Bordgriess Print Enlarged/Reduced P ® Rt Paper Size	
	<ul> <li>Rt Roll Paper W</li> <li>Scaling</li> </ul>	Ndth Auto 😂 % (5 - 600)
Letter (8.5"x11") : 8.50 in x 11.00 in Actual Size	Printer Paper Size :	Same as Page Size $\qquad \lor$
Letter (8.5'x11') : 8.50 in x 11.00 in	Oriegtation	otrat
	Rotate Page 9	0 degrees
	Paper Soyrce :	Roll Paper (Auto) V
N N N	Roll Paper Width :	44 in Roll (1117.6mm) 🗸 🗸
		Roll Paper Options
	Output Methog	Sige Options Defaults
	ОК	Cancel Apply Help

8. Select the paper source

For **Paper Source**, select the setting that matches your purpose.

Canon Printing Preferen	es	×	
Main Page Setup Layout Favortes	Ublity		
	Page Size :	Letter (8.5"x11") ~	
	Bordgriess Printin Enlarged/Reduced Pri		
	In Fit Paper Size		
	O Fit Roll Paper W		
Letter (8.5"x11") :	⊖ Scaling	Auto 🗘 % (5 - 600)	
8.50 in x 11.00 in	Printer Paper Size :	Same as Page Size 🛛 🗸	
Actual Size Letter (8.5"x11"):	Oriegtation		
8.50 in x 11.00 in	▲ @ Por	trat 🚺 🔿 Landscape	
	Rotate Page 90 degrees		
	Paper Soyrce :	Roll Paper (Auto) V	
N N N N N N N N N N N N N N N N N N N	Roll Paper Width :	44 in Roll (1117.6mm) 🗸 🗸	
بر `		Roll Paper Options	
	Output Methog	Size Options De(auts	
	ОК	Cancel Apply Help	

#### >>>> Important

- The paper feed method will differ according to the paper or lower level (roll paper 2) settings, or roll unit option settings.
- 9. Select roll paper width

If you selected a roll paper for **Paper Source**, set **Roll Paper Width** to the width of the roll paper loaded in the printer.

Canon Printing Preferen	ces	>	
Main Page Setup Layout Favorites	Ubley		
	Page Size :	Letter (8.5"x11") ~	
<b>1</b>	Borderless Printin		
	Enlarged/Reduced Prin	ting	
	Fit Paper Size     Fit Roll Paper Wo	aL.	
	<ul> <li>Scaling</li> </ul>	Auto 🖨 🛠 (5 - 600)	
Letter (8.5"x11") :			
8.50 in x 11.00 in Actual Size	Printer Paper Size :	Same as Page Size 🗸 🗸	
Letter (8.5"x11") : 8.50 in x 11.00 in	Oriegtation		
0.50 M X 11.00 M	📥 🖲 Ports	rat 🔬 🔿 Landscape	
	Rotate Page 90 degrees		
	Paper Soyrce :	Roll Paper (Auto) V	
K K	Roll Paper Width :	44 in Roll (1117.6mm) 🗸	
<b>بر</b>		Roll Paper Options	
	Output Methog	Sige Options De(auts	
	ОК	Cancel Apply Help	

10. Complete the setup

#### Click OK.

When you execute print, the document is printed with settings that match your purpose.

E Canon Printing Printige Printige Printige Printige Printige Printige Printige Prin		:
Main Page Setup Layout Fa	vortes Utity	
	Page Size :	Letter (8.5"x11") ~
	Borderless Pr	
	Enlarged/Reduced	
	Rt Paper Size	
	<ul> <li>Fit Roll Paper</li> <li>Scaling</li> </ul>	Auto 🗣 % (5 - 600)
Letter (8.5"x11") :		
8.50 in x 11.00 i	Printer Paper Siz	Same as Page Size V
Actual Size     Letter (8.5"x11") :	Oriegtation	
8.50 in x 11.00 i		Portrat 🚺 🔿 Landscape
	🔚 🗆 Roțate Page	
	Paper Source :	Roll Paper (Auto)
M M	Roll Paper Width :	44 in Roll (1117.6mm) ~
<u>ار</u> آ		Roll Paper Options
	Output Methog	Size Options De(aults
	ок	Cancel Apply Help

#### >>>> Note

• If the paper settings in the printer driver differ from the paper information registered on the printer, an error message may appear on the printer's operation panel. You can execute Print, but you may not obtain the correct printing result.

### **Checking Printer Settings and Applying Settings to Printer Driver**

1. Open printer driver setup window

# 2. Click Get Information... on Main tab

The Paper Information on Printer dialog box appears.

3. Select the paper source

From **Paper Source**, check the setting or select a new paper source. The current printer settings appear in **Media Type** and **Roll Width**.

#### 4. Apply settings

To apply the printer settings to the printer driver, click **OK**.

#### >>>> Note

- If the media type and the output paper size are not set on the printer, **OK** will be grayed out and cannot be clicked.
- If communication with the printer is disabled, the **Get Information...** does not appear or printer media information from the printer cannot be obtained.
- If the paper information in the printer driver is not the latest information, a message appears, and the **Paper Information on Printer** dialog box cannot be displayed. Update the paper information in the printer driver.

### Setting the Number of Copies and Printing Order

The procedure for specifying the number of copies and printing order is as follows:

- 1. Open the printer driver setup window
- 2. Specify the number of copies to be printed

For **Copies** on the **Layout** tab, specify the number of copies to be printed.

🖶 Canon Printing Preferen	ices	×
Main Page Setup Layout Favorites	Utilty	
	Page Layout :	Poster (2 x 2)
	Stamp :	CONFIDENTIAL V
		Define Stamp
Letter (8.5°x11°) : 8.50 in x 11.00 in Actual Size Letter (8.5°x11°) : 8.50 in x 11.00 in	Pring Cente	
	No Spaces	at Top or Bottom
	<u>C</u> opies :	1 0 (1 - 999) Print from Last Page
	Page Options	Special Settings Defaults
	ОК	Cancel Apply Help

3. Specify the print order

Check the **Print from Last Page** check box when you want to print from the last page in order, and uncheck the check box when you want to print from the first page.

4. Complete the setup

Click OK.

When you execute print, the specified number of copies will be printed with the specified printing order.

### >>>> Important

• When the application software that you used to create the document has the same function, specify the settings on the printer driver. However, if the print results are not acceptable, specify the function settings on the application software. When you specify the number of copies and the printing order with both the application software and this printer driver, the number of copies may be multiplied numbers of the two settings or the specified printing order may not be enabled.

### **Using Roll Unit to Use 2-Level Rolls**

- About 2-Level Roll Switching
- > Setting the Paper Rolls in the Printer According to the Intended Use
- > Printing by Automatically Switching Upper-level and Lower-level Roll Papers
- **>** How to Switch Paper Rolls
- **>** Reflect Roll Unit Settings in the Printer Driver

# **About 2-Level Roll Switching**

This printer allows you to load roll paper in two levels, the upper level (Roll 1) and the lower level (Roll 2) and to automatically switch between Roll 1 and Roll 2 depending on the print job.

Printing by automatically switching Roll 1 and Roll 2 in this way is called "2-level roll switching."

- For instructions on setting the paper, see "Setting the Paper Rolls in the Printer According to the Intended Use."
- For the 2-level roll switching procedure, see "Printing by Automatically Switching Upper-level and Lowerlevel Roll Papers."
- Guidelines on how to switch Roll 1 and Roll 2 for certain cases are summarized in "<u>How to Switch Paper</u> <u>Rolls</u>."

Refer to this section if a document cannot be printed as intended or as necessary.

# Setting the Paper Rolls in the Printer According to the Intended Use

If you want to switch the 2-level rolls, set the paper rolls on the upper and lower level of the printer in one of the ways described below depending on the intended use.

• When automatically switching from paper roll 1 to paper roll 2 to match the paper size specified for the print job

Set two paper rolls of the same type of paper but of different width on the upper and on the lower trays.

### Example of how to set the paper

Paper-feeding tray	Roll Width	Media Type
Upper-level	36 in Roll (914.4mm)	Plain Paper
Lower-level	A1/A2 Roll (594.0mm)	Plain Paper

• When automatically switching from paper roll 1 to paper roll 2 role to match the paper type specified for the print job

Set two paper rolls of the same width but of different types of paper on the upper and on the lower trays. Alternatively, set two paper rolls of different width and different types of paper on the upper and on the lower trays.

### Setting the paper (Example 1)

Paper-feeding tray	Roll Width	Media Type
Upper-level	A1/A2 Roll (594.0mm)	Plain Paper
Lower-level	A1/A2 Roll (594.0mm)	Canon Coated Paper

### Setting the paper (Example 2)

Paper-feeding tray	Roll Width	Media Type
Upper-level	36 in Roll (914.4mm)	Plain Paper
Lower-level	A1/A2 Roll (594.0mm)	Canon Coated Paper

### >>>> Important

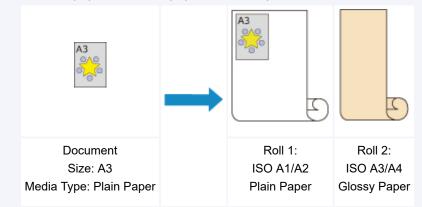
• 2-level roll switching is not possible when the paper rolls being fed on the platen are not compatible with automatic cut-off. For checking which types of paper are compatible with automatic cut-off, look up the paper you want to use on the "Paper Information List."

### Note

• For information on how to set the paper rolls in the printer, see "Handling rolls"

• When rolls of different types of paper and of different width are set in the upper and lower trays, the paper roll matching the type of paper specified for the print job will be used.

Depending on the settings, an error may occur causing the wrong paper roll to be used; in such cases, it is recommended that, instead of using 2-level roll switching, you specify which one is best between paper roll 1 and paper roll 2 and print.



• To learn how to switch paper- feeding trays, see "How to switch paper rolls."

# Printing by Automatically Switching Upper-level and Lower-level Roll Papers

You can print by automatically switching Roll 1 and Roll 2 depending on the media type or your purpose.

The procedure for printing by switching the roll papers is as follows:

- 1. Load roll papers in upper and lower levels of printer
- 2. Open the printer driver setup window
- 3. Select the media type

Select the type of paper loaded in the printer from the **Media Type** list on the **Main** tab.

	Media Type : Plain Pa	aper		Ŷ
-		t Information	Specify	
	Easy Settings	~		
	Print Target :			
		efault Settings hoto (Color)		٩
Letter (8.5"x11") :	22 0 P	hoto (Monochrome) oster		
8 50 in x 11.00 in Actual Size	in ne	usker		
Letter (8.5"x11") :	Dist O states	andard		
8.50 in x 11.00 in			dele e estatue al	~
	text, photographs and	omal documents that co d graphics.	ntain a moture of	^
-4576				
	L			~
N N N			⊻ew Settings	
	Preview before printi	ing		
1		-		
	Status Monitor	About	Defaults	

4. Select the paper size

From the **Page Size** list on the **Page Setup** tab, select the same size as that of the document that was created with the application software.

5. For Paper Source, select Roll Paper (Auto)

Canon Printing Preference	es	×
Main Page Setup Layout Favorites	Ubley	
	Page Size :	Letter (8.5"x11") ~
	Bordgriess Printing	
	Enlarged/Reduced Print	ing
	Fit Roll Paper Widt	h
	Scaling	Auto 🗘 🎗 (5 - 600)
Letter (8.5"x11") : 8 50 in x 11.00 in	Printer Paper Size :	Same as Page Size 🗸 🗸
Actual Size		
Letter (8.5"x11") : 8.50 in x 11.00 in	Oriegtation	
	Portra	at 🛆 🔿 Landscape
	📶 🗌 Rotate Page 90 d	egrees
	Paper Soyrce :	Roll Paper (Auto)
N N N	Roji Paper Width :	44 in Roll (1117.6mm) ~
		Roll Paper Options
-	Output Method	Sige Options Defaults
	ОК	Cancel Apply Help

6. Select roll paper width

For Roll Paper Width, select the width of the roll paper loaded in the printer.

7. Selecting the printing method for the roll paper

When performing enlarged/reduced printing in accordance with the roll width, place a checkmark next to **Enlarged/Reduced Printing** and select the **Fit Roll Paper Width**.

8. Set the other items

To rotate the document 90 degrees and print it, select the **Rotate Page 90 degrees** check box. The current settings are displayed in the settings preview on the left side of the **Page Setup** tab.

### Note Note

• If you rotate a portrait document 90 degrees and print it at that horizontally, you may be able to save paper depending on the paper size.

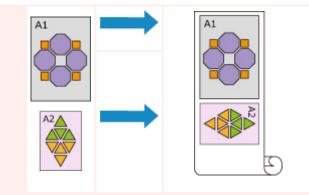
### >>>> Important

• When you select the **Rotate Page 90 degrees** check box and print the document, the document will be rotated 90 degrees only if the vertical length of the document fits in the width set in **Roll Width**.

Therefore to use this function, correctly set **Roll Width** to the width of one of the roll papers loaded in the printer.

Document

Roll Width: ISO A1/A2 Roll (594.0 mm)



- If the roll papers loaded in the upper and lower levels are different media types, the document is
  printed on the roll paper that matches the media type specified in the print job.
  If the document is being rotated 90 degrees for printing and the roll papers loaded in the upper
  and lower levels have different widths and different media types, set the correct combination of
  width and media type so that they match one of the roll papers loaded in the printer.
- 9. Complete the setup

### Click OK.

When you print, the paper source is switched automatically to roll paper.

### >>>> Important

- On the operation panel, if Device settings -> Paper-related settings -> Roll paper auto switching is set to Do not identify size, the document may be printed on the unintended roll paper. Canon recommends that you set this setting to Identify size before you print.
- 2-level roll switching is not possible when the paper rolls being fed on the platen are not compatible with automatic cut-off. For checking which types of paper are compatible with automatic cut-off, look up the paper you want to use on the "Paper Information List."

### >>>> Note

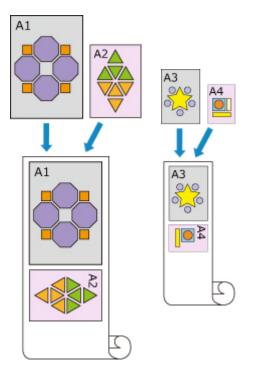
 For details about how to switch the source levels depending on the print job, see "<u>How to Switch</u> <u>Paper Rolls</u>."

### Printing by Saving Paper

Depending on the paper size that was specified in the print job, the printer automatically identifies the roll paper that will produce the smaller margins.

Whether or not the page is rotated 90 degrees, the printer prints using conditions that produce the smallest paper margins from among the Roll1 and Roll2 combinations.

Document



Roll 1: ISO A1/A2 Roll

Roll 2: ISO A3/A4

- 1. Select as described below:
  - If you are using Windows 10, right-click the Start menu, and select Control Panel -> Hardware and Sound -> Devices and Printers. The Devices and Printers window is displayed.
  - If you are using Windows 8.1, Windows 8, Windows Server 2012 R2, or Windows Server 2012, from the Desktop charms, select Settings -> Control Panel -> Hardware and Sound (Hardware) -> Devices and Printers.

The Devices and Printers window is displayed.

- If you are using Windows 7 or Windows Server 2008 R2, select the Start menu -> Control Panel -> Hardware and Sound (Hardware) -> Devices and Printers. The Devices and Printers window is displayed.
- If you are using Windows Vista or Windows Server 2008, select the Start menu -> Control Panel -> Hardware and Sound -> Printers. The Printers window is displayed.
- 2. Display setup window

Right-click the "Your model name" icon, and select **Printer properties** (in Windows 10, Windows 8.1, Windows 8, or Windows 7) or **Properties** (in Windows Vista). The printer's **Properties** window appears.

3. Set automatic paper source switching

On the **Device Settings** tab, select the **Automatically switch paper sources (paper size priority)** check box.

Options :         Image: Ball Unit         Image: Ball Unit      Image: Ball Unit      B	General	Sharing	Ports	Advanced	Color Management	Security	Device Settings	
The roll paper that gives the smallest margin area on paper printed paper size is automatically selected. Even more paper can be saved by turning on Rotate Page degrees in the printer driver. Roll Paper Width 1 : 44 in Roll (1117.6mm)								
printed paper size is automatically selected. Even more paper can be saved by turning on Rotate Page degrees in the printer driver. Roll Paper Width 1: 44 in Roll (1117.6mm)					Automatics	ally gwtch (	paper sources (paper size priorit)	ίv
degrees in the privater driver. Roll Paper Width 1: 44 in Roll (1117.6mm)	Ę			Ĩ				paperforthe
T I I I I I I I I I I I I I I I I I I I	-							Page 90
Roll Paper Width 2 : 44 in Roll (1117.6mm)	•				Roll Paper	<u>Widh 1 :</u>	44 in Roll (1117.6m	m) ~
					Roll Paper	Width 2 :	44 in Roll (1117.6m	m) ~
Update Media Information Accounting Acquire Status About		indate Me	da Infor	netico	Accounting		Acquire Seture	About
						к	Cancel Apply	Help

### 4. Click Acquire Status

When the confirmation message appears, click Yes.

Your computer gets the paper size information from the printer and displays the width of the roll paper that is actually loaded in the printer.

### >>>> Important

- When you replace the roll paper loaded in the printer, always click **Acquire Status** to obtain the roll paper width information. If the roll paper width is not set correctly, you may not be able to print the document as intended.
- 5. Open the printer driver setup window

### 6. Select the media type

Select the type of paper loaded in the printer from the **Media Type** list on the **Main** tab.

7. Select the paper size

From the **Page Size** list on the **Page Setup** tab, select the same size as that of the document that was created with the application software.

### 8. For Paper Source, select Roll Paper (Auto)

9. Select roll paper width

For **Roll Paper Width**, select the width of the roll paper loaded in the printer.

10. Set the other items

To rotate the document 90 degrees and print it, select the Rotate Page 90 degrees check box.

### 11. Complete the setup

Click OK.

When you print, the paper source is switched automatically to roll paper.

### >>>> Important

• This method switches the upper and lower levels depending on the paper size specified in the print job. Always load the same media type for the roll papers in the upper and lower levels of the printer.

If different types of paper are loaded, an error could occur and you may not be able to print the document as intended.

If roll papers of the same width and type are loaded in the upper and lower levels and the
 Automatically switch paper sources (paper size priority) check box is selected on the Device
 Settings tab, Roll 1 (upper level roll paper) will always be used for printing. If roll papers of the
 same width and type are loaded in the upper and lower levels and you want to automatically switch
 the roll papers, clear the Automatically switch paper sources (paper size priority) check box.

### >>>> Note

• If **Roll 1** and **Roll 2** produce the same margins, **Roll 1** is used for printing.

## How to Switch Paper Rolls

Here we will explain how, in certain situations, paper roll 1 and paper roll 2 are switched. Refer to this information when necessary, for example, when documents will not print as expected, etc.

If you select **Roll Paper (Auto)** under **Paper Source** in the **Page Setup** tab, of the two paper rolls loaded in the lower and upper trays of the printer, the one best suited for the print job will be automatically selected.

Whether paper roll 1 or paper roll 2 will be used, is determined through a sequence of judgment based on the 7 conditions in the table below.

At such times, the **Device settings -> Paper-related settings -> Detect paper setting mismatch** in the Printer unit's Control panel will switch to the result of the judgment based on the process described below.

- If the Detect paper setting mismatch setting is set on Pause or Hold job
- If the Detect paper setting mismatch setting is Display warning or Do not detect

### >>>> Important

• If the lower roll paper unit is not loaded or if the roll unit that was set as the take-up unit is loaded, the roll paper cannot be switched automatically.

### Note Note

- If Error or On hold are displayed, replace the paper to match the requirements of the print job.
- In order to minimize paper waste, it is recommended that you configure the control panel on the Printer unit as indicated below.
  - In Device settings -> Paper-related settings, set Roll paper auto switching to Identify size
  - In Paper settings display area -> (Each paper type) -> Paper settings -> Advanced, set
     Detect paper width to Enable
- If, on the **Device Settings** tab, a checkmark appears next to **Automatically switch paper sources** (paper size priority), do not follow the table below.

### If the Detect paper setting mismatch setting is set on Pause or Hold job

	Condition	Situation	Judgment result
Condi- tion 1	Whether the paper roll loaded on the printer is long enough to print the paper size specified for the print job.	Only one of either paper roll 1 or paper roll 2 is long enough	Select the paper roll of sufficient length
		Neither paper roll 1 nor paper roll 2 are long enough	Error
		Both paper roll 1 and paper roll 2 are long enough	
		On the Printer's menu, <b>Manage</b> remaining roll amount is set on <b>Disable</b> (length of the paper roll cannot be determined)	To Condition 2

Condi- tion 2	Whether the paper roll loaded on the printer	Only one of either paper roll 1 or paper roll 2 matches the paper type	Select the paper roll matching the paper type
	matches the paper type specified for the print job.	Neither roll 1 nor roll 2 match the paper type	Error / On hold
		Both paper roll 1 and paper roll 2 match the paper type	To Condition 3
Condi- tion 3	In the Printer menu, how has the <b>Roll paper</b> auto switching setting changed?	It has changed to <b>Do not identify</b> size	Select the paper roll currently being fed into the platen *1
		It has changed to <b>Identify size</b>	To Condition 4
	If borderless printing has been indicated for the print job (if it has not, on to condition 5)	Only one of either paper roll 1 or paper roll 2 is compatible with borderless printing	Select the paper roll compatible with borderless printing
Condi- tion 4		Neither paper roll 1 nor paper roll 2 are compatible with borderless printing	Error
		Both paper roll 1 and paper roll 2 are compatible with borderless printing	To Condition 5
Condi- tion 5	Whether the width of the paper roll loaded on the printer matches the paper width specified for the print job (only when printing borderless or enlarging/reducing)	Only one of either paper roll 1 or paper roll 2 has the width speci- fied for the print job	Select the paper roll of the match- ing width
		Neither paper roll 1 nor paper roll 2 have a width matching the one specified for the print job	Error / On hold
		Both paper roll 1 and paper roll 2 have a width matching the one specified for the print job	To Condition 6
		Paper roll width has not been specified for the print job	
Condi- tion 6	Whether the width of the paper size specified for the print job fits within the width of the paper roll loaded on the printer.	The width of the paper size speci- fied for the print job only fits within the width of paper roll 1 or paper roll 2	Select the paper roll in which the width of the paper size fits comforta- bly
		The width of the paper size speci- fied for the print job does not fit	Error

		within the width of either paper roll 1 or paper roll 2	
		The width of the paper size speci- fied for the print job fits within the width of both paper roll 1 and pa- per roll 2	To Condition 7
Condi- tion 7	Is the width of paper roll 1 different from the width of paper roll 2?	Roll width is different	Select the paper roll whose width is closer to the width specified for the print job
		Roll width is the same	Select the paper roll currently being fed into the platen *1

\*1 In the following cases, neither roll 1 nor roll 2 are being fed onto the platen. In such cases, paper roll 1 is selected.

- When the printer has switched to sleep mode and has returned to the initial position
- When the printer has been turned on
- · When cut paper has been fed into the printer and has exited it

### If the Detect paper setting mismatch setting is set on Display warning or Do not detect

	Condition	Situation	Judgment result
	Whether the paper roll loaded on the printer is long enough to print the paper size specified for the print job.	Only one of either paper roll 1 or paper roll 2 is long enough	Select the paper roll of sufficient length
Condi- tion 1		Neither paper roll 1 nor paper roll 2 are long enough	Error
		Both paper roll 1 and paper roll 2 are long enough	
		On the Printer's menu, <b>Manage</b> <b>remaining roll amount</b> is set on <b>Disable</b> (length of the paper roll cannot be determined)	To Condition 2
Condi-	matches the paper type specified for the print	Only one of either paper roll 1 or paper roll 2 matches the paper type	Select the paper roll matching the paper type
tion 2		Neither roll 1 nor roll 2 match the paper type	To Condition 3

		Both paper roll 1 and paper roll 2 match the paper type	
Condi- tion 3	In the Printer menu, how has the <b>Roll paper</b> auto switching setting changed?	It has changed to <b>Do not identify</b> size	Select the paper roll currently being fed into the platen *1
		It has changed to <b>Identify size</b>	To Condition 4
		Only one of either paper roll 1 or paper roll 2 is compatible with borderless printing	Select the paper roll compatible with borderless printing
Condi- tion 4	If borderless printing has been indicated for the print job (if it has not, on to condition 5)	Neither paper roll 1 nor paper roll 2 are compatible with borderless printing	Error
		Both paper roll 1 and paper roll 2 are compatible with borderless printing	To Condition 5
		Only one of either paper roll 1 or paper roll 2 has the width speci- fied for the print job	Select the paper roll of the match- ing width
Condi- tion 5	Whether the width of the paper roll loaded on the printer matches the paper width specified for the print job (only when printing borderless or enlarging/reducing)	Neither paper roll 1 nor paper roll 2 have a width matching the one specified for the print job	To Condition 6
		Both paper roll 1 and paper roll 2 have a width matching the one specified for the print job	
		Paper roll width has not been specified for the print job	
		The width of the paper size speci- fied for the print job only fits within the width of paper roll 1 or paper roll 2	Select the paper roll in which the width of the paper size fits comforta- bly
Condi- tion 6	Whether the width of the paper size specified for the print job fits within the width of the paper roll loaded on the printer.	The width of the paper size speci- fied for the print job does not fit within the width of either paper roll 1 or paper roll 2	To Condition 7
		The width of the paper size speci- fied for the print job fits within the width of both paper roll 1 and pa- per roll 2	

Condi- tion 7	Is the width of paper roll 1 different from the width of paper roll 2?	Roll width is different	Select the paper roll whose width is closer to the width specified for the print job
		Roll width is the same	Select the paper roll currently being fed into the platen *1

\*1 In the following cases, neither roll 1 nor roll 2 are being fed onto the platen. In such cases, paper roll 1 is selected.

- When the printer has switched to sleep mode and has returned to the initial position
- When the printer has been turned on
- When cut paper has been fed into the printer and has exited it

### **Reflect Roll Unit Settings in the Printer Driver**

Reflect printer unit's Roll Unit settings in the printer driver.

If the printer unit settings are reflected in the printer driver, the paper that can be set in the printer driver settings will change to a status suitable to the printer unit status.

The following explains the procedure to reflect Roll Unit settings in the printer driver.

- 1. Select as described below:
  - If you are using Windows 10, right-click the Start menu, and select Control Panel -> Hardware and Sound -> Devices and Printers.

The **Devices and Printers** window is displayed.

- If you are using Windows 8.1, Windows 8, Windows Server 2012 R2, or Windows Server 2012, from the Desktop charms, select Settings -> Control Panel -> Hardware and Sound (Hardware) -> Devices and Printers.
  - The **Devices and Printers** window is displayed.
- If you are using Windows 7 or Windows Server 2008 R2, select the Start menu -> Control Panel -> Hardware and Sound (Hardware) -> Devices and Printers. The Devices and Printers window is displayed.
- If you are using Windows Vista or Windows Server 2008, select the Start menu -> Control Panel -> Hardware and Sound -> Printers. The Printers window is displayed.
- 2. Display setup window

Right-click the "Your model name" icon, and select **Printer properties** (in Windows 10, Windows 8.1, Windows 8, or Windows 7) or **Properties** (in Windows Vista). The printer's **Properties** window appears.

### 3. Click the Device Settings tab's Acquire Status

Once the dialog box is displayed, click **Yes**. Printer unit settings will be reflected in the printer driver.

### >>>> Important

In the event the lower roll unit is not set or the roll unit is being used as a wrapping device, Roll Unit will be unchecked. If the Roll Unit is unchecked, Automatically switch paper sources (paper size priority) will be greyed out and cannot be selected. Also, the Paper Source items that can be selected in the Page Setup tab will change.

# **Printing Photos and Business Documents**

- Printing By Setting Print Purpose
- **Edit in PosterArtist and Print**

# **Printing By Setting Print Purpose**

The print settings that are generally used frequently are pre-registered as print purposes. By using a print purpose to print, you can print with settings that match the document.

The procedure for printing by using a print purpose is as follows:

1. Open the printer driver setup window

### 2. Select the media type

Select the type of paper loaded in the printer from the **Media Type** list on the **Main** tab.

	Media Type : Pla	ain Paper		Ý
		Get Information	Specify	
	Easy Settings	~		
	Print Target :			
	10100000	Default Settings Photo (Color)		
Letter (8.5"x11") :		Photo (Monochrome)		
8.50 in x 11.00 in	Ka 25Fana	Poster		
Actual Size     Letter (8.5"x11") :				_
8.50 in x 11.00 in	Print Quality :	Standard		$\sim$
	Suitable for printi text, photograph	ing normal documents that o	contain a midure of	^
Contact of the second	the property of	a a la graphica.		
				~
N N		[	¥ew Settings	
		printing		
	Preview before			

3. Select print setting mode

From the pull-down menu, select Easy Settings.

Main Page Setup Layout Favorites	Usity	
	Media Type : Plain Paper	Ý
<b>1</b>	Get Infgmation Specify	
	Easy Settings V	
Letter (8.5'x11') : 850 in x 11 00 in Actual Size	Print Target : Default Settings Photo (Color) Photo (Menochrome) Poster	
Letter (8.5"x11") : 8.50 in x 11.00 in	Print Quality : Standard	~
	Suitable for printing normal documents that contain a midure of text, photographs and graphics.	< >
N S	∐ew Settings	
- J	Preview before printing	
	Status Monitor About Defaults	

### 4. Select print purpose

For **Print Target**, select the setting that matches the document.

Default Settings

Select this setting to print a general document such as an business documents.

Photo (Color)

Select this setting to print a color illustration or a photo.

Photo (Monochrome)

Select this setting to print an illustration or a photo in monochrome.

Poster

Select this setting to print a poster.



• To check the settings of the items that are set by Print Target, click View Settings.

5. Select the paper size

From the **Page Size** list on the **Page Setup** tab, select the same size as that of the document that was created with the application software.

The current settings are displayed in the settings preview on the left side of the window.

Bordgress Printing Enlarged/Reduced Printin © Rt Paper Size	Borderless Setting
	ng
On rendper page	
O Rt Roll Paper Width	1
	Auto 🗘 % (5 - 600)
	Same as Page Size
Finiser Paper Size :	Same as rage size
Oriegtation	
🔥 🖲 Portrat	t 🔥 🔿 Landscape
🦛 🗆 Ratata Rasa 90 da	
	y
Paper Source :	Roll Paper (Auto)
Roll Paper Width :	44 in Roll (1117.6mm)
	Roll Paper Options
Output Method	Size Options Defaults
	Scaling  Printer Paper Size :  Oriegtation  Regate Page 90 de  Paper Source :

6. Select the paper source

For **Paper Source**, select the setting that matches your purpose.

### >>>> Important

- The paper feed method will differ according to the paper or lower level (roll paper 2) settings, or roll unit option settings.
- 7. Set the other items

Set the other items as necessary.

8. Complete the setup

### Click OK.

When you print, the document is printed to match the specified print purpose.

### Edit in PosterArtist and print

Word processing and spreadsheet software documents and web browser screens, etc. can be edited a print from PosterArtist Lite.

The following explains the procedure for editing original documents made in multiple application software in PosterArtist Lite and printing in a poster layout.

- 1. Open Printer Driver Settings Screen
- 2. Select edit in PosterArtist

Check Page Layout in the Layout tab and select Edit Using PosterArtist from the pull-down menu.

Canon Printing Preference	8	×
Main Page Setup Layout Favorites	Utity	
	Page Layo <u>u</u> t :	Edit Using PosterArtart
	Stamp :	CONFIDENTIAL V
		Define Stamp
Letter (8.5"x11") : 8.50 in x 11.00 in Actual Size	Prigt Centered	đ
Letter (8.5"x11") : 8.50 in x 11.00 in	9 5 ⊡ Botate 180 d	egrees
	No Spaces at	t Top or Bottom
	©opies:	1 🗘 (1 - 999)
N N N		Print from Last Page
•	Page Options	Special Settings Defaults
	ОК	Cancel Apply Help

### >>>> Note

• Edit Using PosterArtist may not be available for use depending on the usage environment.

3. Start up PosterArtist Lite

```
Click OK.
```

- When printing is executed, PosterArtist Lite starts up and PageCapture window opens.
- 4. Select page to get in PosterArtist Lite
- 5. Edit page in PosterArtist Lite

Image editing and sorting is implemented in PosterArtist Lite. By repeating steps 1 through 4 without closing the PosterArtist Lite window, documents made in multiple application software can be arranged on one page. After editing is complete, please print from PosterArtist Lite menu.



• For instructions on how to edit and rearrange images, refer to the PosterArtist Lite manual.

### **Changing the Print Quality and Correcting Image Data**

- Adjusting Color Balance
- Setting the Print Quality Level (Custom)
- > Printing a Color Document in Monochrome
- Adjusting Tone
- Specifying Color Correction
- Adjusting Brightness
- Adjusting Contrast
- Printing Using Detailed Setting Mode

## **Adjusting Color Balance**

You can adjust the color tints when printing.

Since this function adjusts color balance of the output by changing the ink ratios of each color, it changes the total color balance of the document. Use the application software when you want to change the color balance significantly. Use the printer driver only when you want to adjust the color balance slightly. The following sample shows the case when color balance is used to intensify cyan and to diminish yellow so that the overall colors are more uniform.



No adjustment Adjust color balance

The procedure for adjusting color balance is as follows:

- 1. Open the printer driver setup window
- 2. Select the Advanced Settings

Select Advanced Settings from the pull-down menu on the Main tab.

🖶 Canon Printing Preference	es	>
Main Page Setup Layout Favortes	Ublity	
	Media Type : Plain P	'aper 🗸
<b>1</b>	G	t Information Specify
	Advanced Settings	~
	Print Quality :	Standard ~
		Resolution :300dpi
Letter (8.5"x11") : 8.50 in x 11.00 in	Golor Mode :	Color ~
Actual Size     Letter (8.5"x11") :		Color Settings
8.50 in x 11.00 in		
	Thicken Fine Line	s
<u>ل</u>	Preview before print	ing
	Status Monitor	Agout De(aubs
	ОК	Cancel Apply Help

3. Select color mode

For **Color Mode**, select **Color**, and then click **Color Settings**. The **Color Settings** dialog box appears. 4. Adjust color balance

The **Color Adjustment** tab has individual sliders for **Cyan**, **Magenta**, and **Yellow**. Each color becomes stronger when the corresponding slider is moved to the right, and becomes weaker when the corresponding slider is moved to the left. For example, when cyan becomes weaker, the color red becomes stronger.

You can also directly enter a value linked to the slider. Enter a value in the range from -50 to 50. The current settings are displayed in the settings preview on the left side of the printer driver.

slor Adjustment Matching O						
2	<u>O</u> yan :	0	Low		Hgh	
2	Magenta :	0 -				
	Medeure :		Low	- C	Hgh	
	Yellow :	0	A A A A A A A A A A A A A A A A A			
4BCDEF 1234567			Low		Hgh	
1234507						
Mew Color Pattern	Brightness :	0 💠	*		*	
			Dark	· ·	Light	
	Contrast :	0	low		) Hgh	
			COW.		nyi	
						faults

After adjusting each color, click **OK**.

5. Complete the setup

Click OK on the Main tab.

When you execute print, the document is printed with the adjusted color balance.

### **Related Topics**

- Setting the Print Quality Level (Custom)
- Specifying Color Correction
- Adjusting Brightness
- Adjusting Contrast

### Setting the Print Quality Level (Custom)

Custom on the Print Quality tab allows you to set detailed print quality levels.

The procedure for setting the print quality level is as follows:

1. Open the printer driver setup window

### 2. Select Advanced Settings

From the Main tab pull-down menu, select Advanced Settings.

Main Page Setup Layout Favortes			×
	Media Type : Plain	Paper	~
	G	iet Information	Specify
	Advanced Settings	~	
	Print Quality :	Standard	~
			Resolution :300dpi
Letter (8.5"x11") ;	<u>Color Mode</u> :	Color	~
8.50 in x 11.00 in			Color Settings
Letter (8.5"x11") : 8.50 in x 11.00 in			
	Thickeg Fine Lin	es	
7	Preview before prin	ting	
	Status Monitor	About	Defaults
	ОК	Cancel	Apply Help

3. Select the print quality

For **Print Quality**, select **Custom**. The **Custom** dialog box opens.



4. Setting the print quality level

Drag the slider bar to select the print quality level and click **OK**.

5. Complete the setup

Click **OK** on the **Main** tab.

When you execute print, the image data is printed with the selected print quality level.

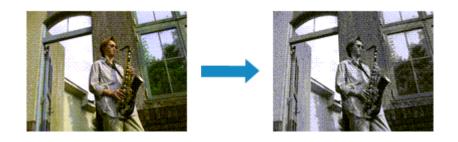
### >>>> Important

• Certain print quality levels cannot be selected depending on the settings of **Media Type**.

### **Related Topics**

- Specifying Color Correction
- Adjusting Color Balance
- Adjusting Brightness
- Adjusting Contrast

### Printing a Color Document in Monochrome



The procedure for printing a color document in monochrome is as follows:

1. Open the printer driver setup window

### 2. Select Advanced Settings

From the Main tab pull-down menu, select Advanced Settings.

Canon Printing Preferent Main Page Setup Layout Favortes			×
		Paper et Information	∽ Specity
	Print Quality :	Standard	V Resolution :300dpi
Letter (8.5'x11'): 8.50 in x 11.00 in Actual Size Letter (8.5'x11'): 8.50 in x 11.00 in 8.50 in x 11.00 in	<u>C</u> olor Mode : ☐ Thickeg Fine Lin	Color	∨ Color Sgtings
7	Preview before prin	ting About	Defaults
	OK	Cancel	Apply Help

3. Select color mode

For Color Mode, select Monochrome or Monochrome (Photo).



- Depending on the media type selected for **Media Type** on the **Main** tab, either **Monochrome** or **Monochrome (Photo)** appears.
- 4. Complete the setup

Click OK.

When you execute print, the document is converted to grayscale data. It allows you to print the color document in monochrome.

### >>>> Important

 When Monochrome or Black and White Photo Print are selected, the printer driver processes image data as sRGB data. In this case, actual colors printed may differ from those in the original image data. When using the grayscale printing function to print Adobe RGB data, convert the data to sRGB data using an application software.

### >>>> Note

• With Monochrome or Black and White Photo Print inks other than black ink may be used as well.

### **Related Topic**

Adjusting Tone

# **Adjusting Tone**

When printing black and white photos, you can produce the cooling effects of cool colors and the warming effects of warm colors.



Cool Tone is selected Black and White is selected Warm Tone is selected

The procedure for adjusting tone is as follows:

- 1. Open the printer driver setup window
- 2. Selecting Media Type from the Main tab.

For paper for which the black and white tone can be adjusted, select the paper you want to use from "Paper Information List" and check the information.

### 3. Select Advanced Settings

From the Main tab pull-down menu, select Advanced Settings.

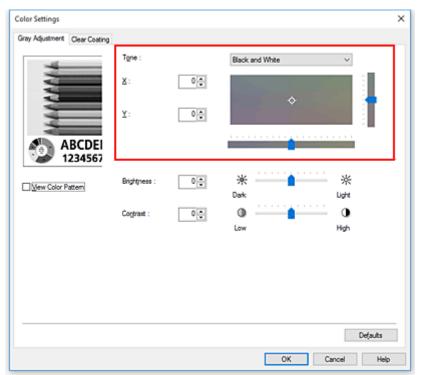
🖶 Canon Printing Preference	es		×
Main Page Setup Layout Favorites	Utility		
	Media Type : Plain	Paper	~
	-	et Information	Specify
	Advanced Settings		
	Print Quality :	Standard	~
			Resolution :300dpi
Letter (8.5"x11") : 8.50 in x 11.00 in	Golor Mode :	Color	~
Actual Size Letter (8.5"x11") ;		l	Color Settings
8.50 in x 11.00 in			
	Thicken Ane Un	65	
<u>ل</u>	Preview before prin	ting	
	Status Monitor,	About	Defaults
	ОК	Cancel	Apply Help

4. Select color mode

For **Color Mode**, select **Color**, and then click **Color Settings**. The **Color Settings** dialog box appears.

5. Adjusting monochrome tones

From the **Tone** pull-down menu on the **Gray Adjustment** tab, specify any of the following items.



#### Cool Tone

This item adjusts color tones to cool shades of gray (cool black). When you select this item, a value of -30 is entered for **X**, and a value of 0 for **Y**.

#### **Black and White**

This item adjusts color tones to neutral shades of gray. When you select this item, a value of 0 is entered for X, and a value of 0 for Y.

#### Warm Tone

This item adjusts color tones to warm shades of gray (warm black). When you select this item, a value of 30 is entered for X, and a value of 0 for Y.

#### Custom

You can adjust the color tones by using the horizontal and vertical sliders while checking the colors in the center adjustment area.

Adjust the horizontal and vertical sliders by dragging them to the left/right or up/down, respectively. You can also adjust color tones by clicking or dragging the center adjustment area with the mouse. You can also directly enter values that are linked to the sliders. When you enter values, set values in the range of -100 to 100 for **X**, and -50 to 50 for **Y**.

### Note Note

 Custom cannot be selected since it is displayed automatically when the adjustment value is directly entered.

#### X, Y (Monochromatic adjustment value)

If necessary, you can adjust monochromatic colors manually.

To adjust the color tones, either enter values directly or click the up/down arrows.

You can also adjust the color tones by clicking or dragging the adjustment area with the mouse.

The value is also linked to the horizontal and vertical sliders.

When you enter values, set values in the range of -100 to 100 for X, and -50 to 50 for Y. The selected value will be shown in the preview on the left side.

After adjusting the tones, click **OK**.

6. Complete the setup

Click OK on the Main tab.

When you execute print, the color document is converted to grayscale data with adjusted tones. It allows you to print the color document in monochrome.

### **Related Topics**

- Printing a Color Document in Monochrome
- Adjusting Brightness
- Adjusting Contrast

# **Specifying Color Correction**

You can specify the color correction method suited to the type of document to be printed. Normally, when data is printed, the printer driver automatically adjusts the colors.

When you want to print by using the color space of the image data effectively, select **ICM** or, **ICC Profile Matching**. When you want to use an application software to specify a printing ICC profile, select **None**.

The procedure for specifying color correction is as follows:

1. Open the printer driver setup window

### 2. Select Advanced Settings

From the Main tab pull-down menu, select Advanced Settings.

🖶 Canon Printing Preference	5		×
Main Page Setup Layout Favorites	Ublity		
	Media Type : Plain P	aper	~
	-	et Information	Specify
	Advanced Settings	~	
	Print Quality :	Standard	~
			Resolution :300dpi
Letter (8.5"x11") : 8.50 in x 11.00 in	<u>Color Mode</u> :	Color	~
Actual Size     Letter (8.5"x11");			Color Settings
8.50 in x 11.00 in			
	Thicken Fine Une	5	
<b>بر</b>	Preview before print	ing	
	Status Monitor	Agout	Defaults
	ОК	Cancel &	pply Help

3. Select color mode

For **Color Mode**, select **Color**, and then click **Color Settings**. The **Color Settings** dialog box appears.

4. Select color correction

Click **Matching** tab, select **Color Correction** setting that matches your purpose from the following, and click **OK**.

Color Settings	د
Color Adjustment Matching	Clear Coating
Golor Correction : Driver Matching	
ICC Profile Matching ICM Off	
Rendering Intent :	Perceptual (Photo)
	Defaults
	OK Cancel Help

### **Driver Matching**

Print with the optimal color using the driver's original color profile. Normally, you should choose this mode.

#### **ICC Profile Matching**

Carry out color matching using the ICC profile. Specify the input profile, printer profile and matching method in detail, and select when printing. You can use the digital camera or scanner ICC profile, or the ICC profile created using the profile creation tool.

#### ICM

Perform color matching on the host computer using the Windows ICM function. Select when printing from an ICM function-compatible application.

### >>>> Note

• You cannot use **ICM** when using an XPS printer driver.

None

Print without performing color matching on the printer driver. Select this when performing color matching using applications such as Adobe Photoshop, or printing a color chart using a profile creation tool.

#### 5. Complete the setup

Click **OK** on the **Main** tab. When you execute print, the document data is printed with the specified color correction.

#### >>>> Important

• When ICM is disabled in the application software, **ICM** is unavailable for **Color Correction** and the printer may not be able to print the image data properly.

### **Related Topics**

- Optimal Photo Printing of Image Data
- Adjusting Colors with the Printer Driver
- Printing with ICC Profiles
- Interpreting the ICC Profile

# **Optimal Photo Printing of Image Data**

When people print images taken with digital cameras, they sometimes feel that the printed color tones differ from those of actual image or those displayed on the monitor.

To get the print results as close as possible to the desired color tones, you must select a printing method that is best suited to the application software used or to your purpose.

# **Color Management**

Devices such as digital cameras, scanners, monitors, and printers handle color differently. Color management (color matching) is a method that manages device-dependent "colors" as a common color space.

For Windows, a color management system called "ICM" is built into the operating system. sRGB is one of the common color spaces that is frequently used.

ICC profiles convert device-dependent "colors" into a common color space. By using an ICC profile and carrying out color management, you can draw out the color space of the image data within the color reproduction area that the printer can express.

## >>>> Note

 Normally, image files are saved in JPEG format. Some digital cameras allow you to save images in a format called RAW. RAW data refers to an image saving format that requires a computer to develop the image. You can embed an input ICC profile tag into a RAW file by using special application software.

# Selecting a Printing Method Suited to the Image Data

The recommended printing method depends on the color space of the image data or the application software to be used.

There are two typical printing methods.

Check the color space of the image data and the application software to be used, and then select the printing method suited to your purpose.

### Adjusting Colors with the Printer Driver

This section describes the procedure for printing data by using the color correction function of the printer driver.

Select this function when you want to print impressions that are close to those displayed on the monitor, for example, if you corrected the colors while checking the print image on the monitor.

### Printing with ICC Profiles

Describes the procedure for printing by using the color space of the image data effectively. You can print with a common color space by setting up the application software and the printer driver so that the color management matches the input ICC profile of the image data.

The method for setting up the printer driver differs depending on the application software to be used.

# **Related Topic**

Interpreting the ICC Profile

# Adjusting Colors with the Printer Driver

To use driver matching when printing, turn on the printer driver's color correction function. Driver matching accurately applies the characteristics of data displayed on the monitor and allows you to obtain print results of impressions that are close to those displayed on the monitor.

>>>> Important
• When printing using driver matching, Canon recommends that you set the monitor and the environment
light as follows:
Monitor
Color temperature: D50 (5000K)
Brightness: 100 to 120cd/m2
Gamma: 2.2
Environment light
Fluorescent light for D50 color evaluation (color temperature 5000K, high color rendering
properties)
Brightness when looking at printed materials: 500 lx $\pm$ 125 lx
Note

• When printing from an application software that can identify ICC profiles and allows you to specify them, use a printing ICC profile in the application software, and select settings for color management.

The procedure for adjusting colors with the printer driver is as follows:

1. Open the printer driver setup window

### 2. Select Advanced Settings

From the Main tab pull-down menu, select Advanced Settings.

Canon Printing Preference			×
Main Page Setup Layout Favorites	Media Type : Plain 1	Paper	¥
	G Advanced Settings	et Information	Specify
	Print Quality :	Standard	~
Letter (8.5'x11'):	Color Mode :	Color	Resolution :300dpi
8 50 in x 11 00 in Actual Size Letter (8.5"x11") :	-	[	Color Settings
850 h x 11.00 h	Thickeg Fine Line	55	
	Preview before prin	ting	
	Status Monitor	Agout	Defaults
	ОК	Cancel	Apply Help

3. Select color mode

For **Color Mode**, select **Color**, and then click **Color Settings**. The **Color Settings** dialog box appears.

4. Select color correction

Click Matching tab, and select Driver Matching for Color Correction.

olor Settings		>
Color Adjustment Mat	hing Clear Coating	
Color Correction :		
Driver Matching ICC Profile Matching ICM Off		
Rendering Intent :	Perceptual (Photo)	v
		Defaults
		OK Cancel Help

#### 5. Select the rendering intent

Select the coloring adjustment method in Rendering Intent.

#### **Perceptual (Photo)**

Reproduces a tint close to the display of the monitor. Select this when you wish to print a photo.

#### Saturation (Poster)

Reproduces a tint that people feel to be pleasing. Select this when you wish to print a poster or business document.

6. Set the other items

If necessary, click **Color Adjustment** tab, and adjust the color balance (**Cyan**, **Magenta**, **Yellow**) and adjust **Brightness**, and **Contrast** settings, and then click OK.

7. Complete the setup

Click OK on the Main tab.

When you execute print, the printer driver adjusts the colors when printing the data.

### **Related Topics**

Setting the Print Quality Level (Custom)

Specifying Color Correction

- Adjusting Color Balance
- Adjusting Brightness
- Adjusting Contrast

# **Printing with ICC Profiles**

When the image data has a specified input ICC profile, you can print by using the color space of the data effectively.

The printer driver setting procedure varies depending on the application software used to print.

# Specify an ICC Profile from the Application Software and Print the Data

When you print the editing and touch-up results of Adobe Photoshop, Canon Digital Photo Professional, or any application software that allows you to specify input and printing ICC profiles, you print by effectively using the color space of the input ICC profile specified in the image data.

To use this printing method, use your application software to select color management items and specify an input ICC profile and a printing ICC profile in the image data.

Even if you print using a printing ICC profile that you created yourself or one for special Canon paper, be sure to select color management items from your application software.

For instructions, refer to the manual of the application software you are using.

## 1. Open the printer driver setup window

### 2. Select Advanced Settings

From the Main tab pull-down menu, select Advanced Settings.

Main Page Setup Layout Favortes		Paper	
<b>S</b>	0	iet Information	Specify
	Advanced Settings	· · · · ·	
	Print Quality :	Standard	~
			Resolution :300dp
Letter (8.5"x11") :	Golor Mode :	Color	~
8.50 in x 11.00 in			Color Settings
Letter (8.5"x11") : 8.50 in x 11.00 in			
	🗌 Thicke <u>n</u> Ane Un	es	
~】 】	Preview before priv	nting About	Defaults

3. Select color mode

For **Color Mode**, select **Color**, and then click **Color Settings**. The **Color Settings** dialog box appears.

4. Select color correction

Click Matching tab, and select None for Color Correction.

olor Settings				>
Color Adjustment	Matching	Clear Coating		
Color Correction	:			٦
Driver Matching ICC Profile Matc	hing			1
Driver Matching ICC Profile Matc ICM				
				2
			Defaults	j
			OK Cancel Help	

5. Set the other items

If necessary, click **Color Adjustment** tab, and adjust the color balance (**Cyan**, **Magenta**, **Yellow**) and adjust **Brightness**, and **Contrast** settings, and then click **OK**.

6. Complete the setup

Click **OK** on the **Main** tab. When you execute print, the printer uses the color space of the image data.

# Specify an ICC Profile with the Printer Driver, and then Print

When you print from application software that cannot identity input ICC profiles or does not allow you to specify one, the data color space is printed as sRGB.

- 1. Open the printer driver setup window
- 2. Select Advanced Settings

From the Main tab pull-down menu, select Advanced Settings.

Main Page Setup Layout Favorites		Paper	~
	G	iet Information	Specify
	Advanced Settings	~	
	Print Quality :	Standard	~
			Resolution :300dpi
Letter (8.5"x11") :	<u>Color Mode</u> :	Color	~
8 50 in x 11.00 in Actual Size		[	Color Settings
Letter (8.5"x11") : 8.50 in x 11.00 in			
<b>Rep</b>	Thickeg Fine Lin	es	
7	Preview before prin	ting	
	Status Monitor	About	Defaults

3. Select color mode

For **Color Mode**, select **Color**, and then click **Color Settings**. The **Color Settings** dialog box appears.

4. Select color correction

Click Matching tab, and select ICC Profile Matching for Color Correction.

Input Profile : sRGB IEC61966-2.1 Parter Profile : Auto Settings	olor Settings				
Driver Matching CE Profile Matching Off Off Input Profile : sRGB IEC61966-2.1 Briter Profile : Auto Settings	olor Adjustment	Matching	Clear Coating		
ICM Off Input Profile : sRG8 IEC61966-2.1 Parter Profile : Auto Settings					
Off	Driver Matching CC Profile Matching	hing			
Parter Profile : Auto Settings	Off				
Parter Profile : Auto Settings					
	input Profile :		sRGB IEC61966-2.1		`
Rendering Intent : Perceptual	Printer Profile :		Auto Settings		
	Rendering Intent	t :	Perceptual		
Defaults					 Defaults
Defaults				 _	Defaults

### 5. Select For Input Profile

Select the input profile you want to use.

## Important

- When the application software specifies an input profile, the input profile setting of the printer driver becomes invalid.
- 6. Select the printer profile

Select Printer Profile as follows:

• To set the printer profile automatically:

Select Auto Settings.

• To set the printer profile manually:

Select a printer profile that matches the media type to be used.

#### 7. Select the rendering intent

Select the coloring adjustment method in Rendering Intent.

Perceptual

Reproduces a tint close to the display of the monitor. Select this when you wish to print a photo.

### Important

- When you select **Perceptual** to print images, Canon recommends that you set the monitor and the environment light as follows:
  - Monitor Color temperature: D50 (5000K) Brightness: 100 to 120cd/m2 Gamma: 2.2
  - Environment light
     Fluorescent light for D50 color evaluation (color temperature 5000K, high color rendering properties)
     Brightness when looking at printed materials: 500 lx ± 125 lx

#### Saturation

Reproduces a tint that people feel to be pleasing. Select this when you wish to print a poster or business document.

Relative Colorimetric

When image data is converted to the color space of the printer, this method converts the image data so the color reproduction approximates the shared color regions. Select this method to print image data with colors that are close to the original colors.

#### Absolute Colorimetric

When **Relative Colorimetric** is selected, white spots are reproduced as white spots of the paper (background color). However, when **Absolute Colorimetric** is selected, how the white spots are reproduced depends on the image data.

### >>>> Important

• Depending on the media type, you may obtain the same print results even when you change the **Rendering Intent** setting.

8. Set the other items

If necessary, click Color Adjustment tab, and adjust Cyan, Magenta, Yellow, Brightness, and Contrast settings, and then click OK.

9. Complete the setup

Click **OK** on the **Main** tab. When you execute print, the printer uses the color space of the image data.

# **Related Topics**

- Setting the Print Quality Level (Custom)
- Specifying Color Correction
- Adjusting Color Balance
- Adjusting Brightness
- Adjusting Contrast

# Interpreting the ICC Profile

When specifying an ICC profile for this printer, specify an ICC profile according to the print output media.

The ICC profiles installed for this printer appear as follows.

- (1) : Printer model
- (2) : Media type

For the names of compatible paper, check the information for the paper you want to use from "Paper Information List."

## >>>> Note

• For ICC profiles that display "-P" at the end of the media type, the print results are the same when you set **Rendering Intent** to **Perceptual** or **Relative Colorimetric**.

# **Adjusting Brightness**

You can brighten or darken the colors of the overall image data during printing.

The following sample shows the case when light colors are darkened when the image data is printed.



No adjustment

Darken light colors

The procedure for adjusting brightness is as follows:

1. Open the printer driver setup window

### 2. Select Advanced Settings

From the Main tab pull-down menu, select Advanced Settings.

🖶 Canon Printing Preference	tes	×
Main Page Setup Layout Favorites	Utilty	
	Media Type : Plain Paper	~
<b>S</b>	Get Information Speci	ly
	Advanced Settings	
	Print Quality : Standard	~
	Resolu	tion :300dpi
Letter (8.5"x11") : 8.50 in x 11.00 in	Color Mode : Color	~
Actual Size	Color Sgt	ings
Letter (8.5'x11') : 8.50 in x 11.00 in		
	Thicken Fine Lines	
N N		
	Preview before printing	
	Status Monitor Algout	Defaults
	OK Cancel Apply	Help

3. Select color mode

For **Color Mode**, select **Color**, and then click **Color Settings**. The **Color Settings** dialog box appears.

4. Adjust brightness

On the **Color Adjustment** tab, moving the **Brightness** slider to the right brightens (dilutes) the colors, and moving the slider to the left darkens (intensifies) the colors.

You can also directly enter a value linked to the slider. Enter a value in the range from -50 to 50. The current settings are displayed in the settings preview on the left side of the printer driver.

olor Settings					×
Color Adjustment Matching C	lear Coating				
	Qvan :	0.			
	<u>M</u> agenta :	0 🜩	Low Low	Hgh	
ABCDEF	$\underline{Y}ellow:$	0.	Low	Hgh	
1234567      Wew Color Pattern	Brightmess :	0.	*		
	Contrast :	•	Dark	Light	
	Contrast :		Low	High	
				Defaults	_
			ОК		elp

5. Complete the setup

Click **OK** on the **Main** tab.

When you execute print, the data is printed at the adjusted brightness.

# **Related Topics**

- Setting the Print Quality Level (Custom)
- Specifying Color Correction
- Adjusting Color Balance
- Adjusting Contrast

# **Adjusting Contrast**

You can adjust the image contrast during printing.

To make the differences between the light and dark portions of images greater and more distinct, increase the contrast. On the other hand, to make the differences between the light and dark portions of images smaller and less distinct, reduce the contrast.



No adjustment Adjust the contrast

The procedure for adjusting contrast is as follows:

1. Open the printer driver setup window

### 2. Select Advanced Settings

From the Main tab pull-down menu, select Advanced Settings.

	Media Type : Plain	Paper	
<b>1</b>		Set Information	Specify
	Advanced Settings	• •	
	Print Quality :	Standard	~
			Resolution :300d;
Letter (8.5"x11") :	<u>C</u> olor Mode :	Color	~
8.50 in x 11.00 in Actual Size			Color Settings
Letter (8.5"x11") : 8.50 in x 11.00 in			
	Thickeg Fine Lin	es	
1	Preview before pri	nting	
	Status Monitor	About	De(auts

3. Select color mode

For **Color Mode**, select **Color**, and then click **Color Settings**. The **Color Settings...** dialog box appears.

4. Adjust the contrast

On the **Color Adjustment** tab, moving the **Contrast** slider to the right increases the contrast, and moving the slider to the left decreases the contrast.

You can also directly enter a value linked to the slider. Enter a value in the range from -50 to 50. The current settings are displayed in the settings preview on the left side of the printer driver.

After adjusting each color, click **OK**.

Color Settings					>
Color Adjustment Matching Cle	sar Coating				
4	Qvan :	0 -			
	Sau.		Low	High	
	Magenta :	0	· · · · ·	· · · · · · ·	
	Medeure :		Low	Hgh	
	Yelow :	0		· · · · · · · · ·	
ABCDEF	T		Low	Hgh	
1234567					_
Wew Color Pattern	Brightness :	0	*	×	
- Mew Color Pateni			Dark	Light	
	Contrast :	0	•	• •	
			Low	High	
				Defaults	
				OK Cancel He	elp

5. Complete the setup

Click OK on the Main tab.

When you execute print, the image is printed with the adjusted contrast.

## **Related Topics**

- Setting the Print Quality Level (Custom)
- Specifying Color Correction
- Adjusting Color Balance
- Adjusting Brightness

# **Printing Using Detailed Setting Mode**

You can print by using your own settings instead of the pre-registered **Print Target** settings.

The procedure for using the detailed setting mode and printing is as follows:

- 1. Open the printer driver setup window
- 2. Select the media type

Select the type of paper loaded in the printer from the Media Type list on the Main tab.

🖶 Canon Printing Preference	ies X
Main Page Setup Layout Favorites	Utility
	Media Type : Plain Paper 🗸
<b>1</b>	Get Information Specify
	Easy Settings ~
Letter (8.5'x11') :	Print Target : Default Settings Photo (Color) Photo (Monochrome) Poster
8 50 in x 11 00 in Actual Size Letter (8 5'x11') : 8 50 in x 11.00 in	Print Quality : Standard ~
	Suitable for printing normal documents that contain a midure of text, photographs and graphics.
K I	∐ew Settings
7	Preview before printing
	Status Monitor Algout Defaults
	OK Cancel Apply Help

3. Select Advanced Settings

From the Main tab pull-down menu, select Advanced Settings.

🖶 Canon Printing Preference	ces D
Main Page Setup Layout Favorites	Usity
	Media Type : Plain Paper 🗸 🗸
	Get Information Specify
	Advanced Settings ~
	Print Quality : Standard ~
	Resolution :300dpi
Letter (8.5'x11') : 8.50 in x 11.00 in	Color Mode : Color ~
Actual Size Letter (8.5"x11") :	Color Settings
8.50 in x 11.00 in	Thicken Fine Lines
<u>ل</u>	Preview before printing
	Status Monitor About Defaults
	OK Cancel Apply Help

#### 4. Set print conditions

Set the following items as necessary.

#### **Print Quality**

Selects your desired printing quality.

Select one of the following to set the print quality level that is appropriate for the purpose.

#### **Color Mode**

Selects color adjustment method.

### **Thicken Fine Lines**

Prints thin lines thicker for easy viewing.

#### 5. Select the paper size

From the **Page Size** list on the **Page Setup** tab, select the same size as that of the document that was created with the application software.

The current settings are displayed in the settings preview on the left side of the window.

🖶 Canon Printing Preference	es	×
Main Page Setup Layout Favorites	Utilty	
	Page Size :	Letter (8.5"x11") ~
	Borderless Printing	
	Enlarged/Reduced Prin	ting
	In Paper Size	
	Rt Roll Paper Wid	th
	Scaling	Auto 🗘 🎗 (5 - 600)
Letter (8.5'x11') : 8.50 in x 11.00 in Actual Size	Printer Paper Size :	Same as Page Size $\qquad \lor$
Letter (8.5°x11°) :	Oriegtation	
8.50 in x 11.00 in	- N Potts	at 🔥 🔿 Landscape
	Rotate Page 90 c	Segrees
	Paper Soyrce :	Roll Paper (Auto) 🗸
N N N	Roll Paper Width :	44 in Rol (1117.6mm) ~
4		Roll Paper Options
	Output Methog	Size Options De(auts
	ОК	Cancel Apply Help

6. Select the paper source

For **Paper Source**, select the setting that matches your purpose.

#### Important

- The paper feed method will differ according to the paper or lower level (roll paper 2) settings, or roll unit option settings.
- 7. Set the other items

Set the other items as necessary.

8. Complete the setup

Click OK.

When you print, the document is printed with the print conditions you set.

# **Related Topics**

- M Adjusting Color Balance
- Setting the Print Quality Level (Custom)
- Specifying Color Correction
- Adjusting Brightness
- Adjusting Contrast

# **Scaled Printing**

The procedure for printing a document with pages enlarged or reduced is as follows:

- 1. Open the printer driver setup window
- 2. Select the paper size of the document

Using Page Size, select the page size that is set with your application software.

3. Select the paper source

For **Paper Source**, select the setting that matches your purpose.

Im	bo	rta	nt

- The paper feed method will differ according to the paper or lower level (roll paper 2) settings, or roll unit option settings.
- 4. Select roll paper width

If you selected a roll paper for **Paper Source**, set **Roll Paper Width** to the width of the roll paper loaded in the printer.

#### 5. Select scaled printing

Check the Enlarged/Reduced Printing check box.

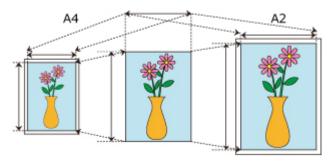
Canon Printing Preferen Main Page Setup Layout Favortes		×
Letter (8.5'x11'): 8.50 in x1100 in Auto Scate: 100% Letter (8.5'x11'): 8.50 in x11.00 in	Page Size : Borderless Printin Fill Enlarged/Reduced Pri Fit Roll Paper Size Fit Roll Paper Wi Scaling Printer Paper Size : Oriegtation	ntng dth Auto 🗘 % (5 - 600) Same as Page Size 🗸
	Paper Soyrce : Roll Paper Width :	Roll Paper (Auto) ~ 44 in Roll (1117.6mm) ~ Roll Paper Options
	Output Methog	Sige Options Defaults Cancel Apply Help

6. Set one of scaling methods described below

From the items listed below, select the setting that matches your purpose and select the corresponding check box.

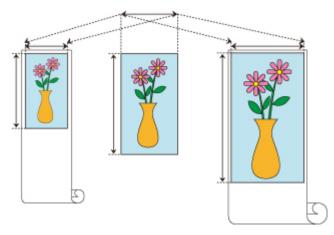
The current settings are displayed in the settings preview on the left side of the window.

• Fit Paper Size



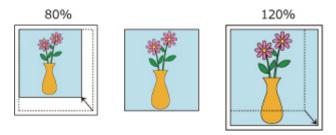
Scales the document to match the paper size.

Fit Roll Paper Width



Scales the document to match the roll paper width.

#### Scaling



Allows you to specify the scaling by entering a number directly or by selecting the paper size you want from the **Printer Paper Size** list.

The document is reduced when a size smaller than the **Page Size** setting is selected from the **Printer Paper Size** list, and enlarged when a size larger is selected.

7. Complete the setup

#### Click OK.

When you execute print, the document will be printed with the specified scale.

## >>>> Important

- When the application software which you used to create the original has the scaled printing function, configure the settings on your application software. You do not need to configure the same setting in the printer driver.
- If you are performing enlarged/reduced printing when Automatically switch paper sources (paper size priority) is enabled, Fit Roll Paper Width is selected for Enlarged/Reduced Printing on the

**Page Setup** tab, and **Roll Paper (Auto)** is selected for **Paper Source**, Roll 1 (upper level roll paper) is always used for printing.

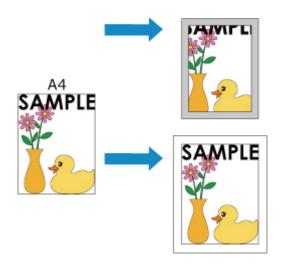
## >>>> Note

• Selecting Enlarged/Reduced Printing changes the printable area of the document.

# **Printing to Oversized Paper Sizes**

When printing a created document so that it fills the entire paper width, select a paper size from the **Oversize** list (sizes resulting from adding margins necessary for printer operation to the document sizes) so that all areas of the document are printed at their actual size.

A printout that has the same area as the document can be obtained by trimming the outer margins after printing.



The procedure for printing with oversize is as follows:

- 1. Open the printer driver setup window
- 2. Select the paper size

From the **Page Size** list on the **Page Setup** tab, select the same size as that of the document that was created with the application software.

3. Click Size Options...

tain Page Setup Layout Favortes			
	Page Size :	Letter (8.5"x11")	~
<b>*</b>	Bordgriess Printing	Borderless Settin	g .
	Enlarged/Reduced Print	ting	
	In Paper Size		
	Rt Roll Paper Wd	th	
	<ul> <li>Scaling</li> </ul>	Auto 🤤 🛠 (5 - 600)	
Letter (8.5"x11") : 8 50 in x 11.00 in	Printer Paper Size :	Same as Page Size	Ŷ
Actual Size			
Letter (8.5'x11") : 8.50 in x 11.00 in	Oriegtation		
	🔥 🖲 Ports	at 🚺 🔿 Landscape	
	Rotate Page 90 d	legrees	
	Paper Soyrce :	Roll Paper (Auto)	~
I B	Roll Paper Width :	44 in Roll (1117.6mm)	~
		Roll Paper Option	ns
	_		

The Paper Size Options dialog box opens.

4. Select oversize

Select the **Oversize** check box, and click **OK**.

aper Size List :			Dustom Paper Siz	e Name :	
Name 61 62 63 84 44 44 44 44 (ANSI E) 22 34 44 (ANSI E) 17 32 (ANSI F) 17 32 (ANSI C) 17 32 (ANSI C) 17 (ANSI C) (ANSI C) (ANSI C) (ANSI C) (A	Size 28.66 × 40.55 20.28 × 28.66 14.33 × 20.28 10.12 × 14.33 24.00 × 44.00 22.00 × 34.00 17.00 × 22.00 13.00 × 19.00 11.00 × 17.00 8.50 × 11.00	~	Units () Paper Size Borderless F	Ogm ∎jnch	94 - 44.02)
Dglete			Register with t	he OS	Agd
Display Series					
1 ISO A(A)	3, A4,)	Ø≰DI	I (C3, C4,)	2 Photo	
2 ISO B(B	3, B4,)	⊠ 5AR	CH (A, B,)	⊡ <u>0</u> ther	
🛛 🤉 JIS (B3,	84)	⊠§AN	SI (A, B,)		
Oversize					

The current settings are displayed in the settings preview on the left side of the Page Setup tab.

#### 5. Select the paper source

For **Paper Source**, select the setting that matches your purpose.

### >>>> Important

• The paper feed method will differ according to the paper or lower level (roll paper 2) settings, or roll unit option settings.

6. Select roll paper width

If you selected a roll paper for **Paper Source**, set **Roll Paper Width** to the width of the roll paper loaded in the printer.

7. Set the other items

Set the other items as necessary.

8. Complete the setup

Click OK.

When you print, the document is printed using oversize.

### >>>> Important

- When printing to oversized paper sizes, use paper that has the following necessary margins added to the document size.
  - Cut sheet: 6 mm or more added to width and 23 mm or more added to height of document size
  - Roll paper: 6 mm or more added to width and 6 mm or more added to height of document size

### >>>> Note

- An oversized paper size cannot be used for the largest paper size that can be loaded in the printer.
- To set an oversized paper size for a non-standard paper size, register the paper size in the **Paper Size Options** dialog box. An oversized paper size cannot be set for paper sizes that were set in the **Custom Size Settings** dialog box.

# Setting Paper Dimensions (Custom Size)

You can specify the height and width of paper when its size cannot be selected from the **Page Size**. Such a paper size is called "custom size."

There are two ways of setting a user-defined paper, setting the paper from **Size Options...** on the **Page Setup** tab and setting the paper from **Custom Size** of **Page Size**.

If you will be using a user-defined paper repeatedly, setting it from **Size Options...** is convenient because it becomes registered to **Page Size** and can be selected any time after that.

If you want to use a user-defined paper temporarily, setting it from **Custom Size** is suitable.

The procedure for specifying a custom size is as follows:

# **Setting from Paper Size Options**

- 1. Open the printer driver setup window
- 2. Click Size Options... on the Page Setup tab

Canon Printing Preferences	;	×
Main Page Setup Layout Favortes	hity	
	Page Size :	Letter (8.5"x11") ~
<b>1</b>	Bordgriess Printing	
	Enlarged/Reduced Print     International Print     Internatinternational Print     International	ting
	O Fit Roll Paper Wo	th
	Scaling	Auto 🗘 % (5 - 600)
Letter (8.5"x11") : 8.50 in x 11.00 in	Printer Paper Size :	Same as Page Size 🗸 🗸
Actual Size     Letter (8.5"x11") :	Oriegtation	
8.50 in x 11.00 in	A @ Portz	rst 🛆 🔿 Landscape
	Rotate Page 90 o	degrees
	Paper Source :	Roll Paper (Auto) V
N N N N N N N N N N N N N N N N N N N	Roll Paper Width :	44 in Roll (1117,6mm) 🗸 🗸
<b>بر</b> ۲		Roll Paper Options
	Output Method	Size Options De(auts
	ок	Cancel Apply Help

The Paper Size Options dialog box opens.

3. Set user-defined paper

Set Custom Paper Size Name, Units, and Size, and then click Add.

For Size, specify an size or select the paper size to be used from Paper Size List.

To narrow down the paper sizes displayed in Paper Size List, select the Display Series check box.

sper Size List :			Dustom Paper Si	ize Name :	
Name 61 82 83 84 28'x44" (ANSI E) 28'x40" (ANSI E) 28'x40" (ANSI F) 22'x34" (ANSI D) 17'x22" (ANSI C) 13'x13" (Ledgel) 11'x17" (Ledgel) Letter (8.5'x11")	Size 2866 × 40.55 2028 × 28.66 14.33 × 20.29 10.12 × 14.33 34.00 × 44.00 28.00 × 40.00 22.00 × 34.00 17.00 × 22.00 13.00 × 19.00 11.00 × 17.00 8.50 × 11.00	~	Units Paper Size Bordefess Fix the Bail Width : Height :	tio of the Width to Heig 8.50  inch(3	
Dglete			Regigter with	the OS	Agd
Display Series					
1 ISO A(A)	3, A4,)	Ø₫01	N (C3, C4,)	2 Photo	
2 ISO B(B)	3. B4,)	⊠5AF	(CH (A, B,)	⊡ <u>O</u> ther	
🗹 J JIS (B3,	84)	≤§AN	ISI (A. B)		

## >>>> Note

- By selecting the **Borderless Printing Size** check box for **Size**, you can select a size from the paper sizes that support **Borderless Printing**. By selecting the **Fix the Ratio of the Width to Height** check box, you can change the size while keeping the **Width** and **Height** ratio.
- 4. Set user-defined paper

Click **OK**, then it returns to **Page Setup** tab.

The paper size registered by using **Custom Paper Size Name** is registered to **Custom Paper Size** of **Page Size** and can be selected at any time.

## **Setting from Custom Size**

- 1. Open the printer driver setup window
- 2. Select the paper size

For Page Size on the Page Setup tab, select Custom Size from the Custom Paper Size list.

Canon Printing Preference Main Page Setup Layout Favortes		×
	Page Size :	Custom Size V
	Bordgriess Printin Enlarged/Reduced Printin ® Rt Paper Size	
	Rt Roll Paper Wo  Scaling	Auto 🗘 % (5 - 600)
Custom Size : 8 27 in x 11.69 in	Printer Paper Size :	- Jacob - Jaco
Actual Size Custom Size :     827 in x 11.69 in	Oriegtation	rat 🛆 🔿 Landscape
	Rotate Page 90	degrees
	Paper Soyrce :	Roll Paper (Auto) V
N N N N N N N N N N N N N N N N N N N	Roll Paper Width :	44 in Roll (1117.6mm) 🗸 🗸
<b>بر</b>		Roll Paper Options
	Output Method	Size Options Defaults
	ОК	Cancel Apply Help

The Custom Size Settings dialog box opens.

Custom Size Settings	×	:
Paper Size		
<u>W</u> idh:	100 inch(3.94 - 44.02)	
Height :	11.69 🗼 inch(8.00 · 125.98)	
Units		
Om	<li>inch</li>	
	<b>A</b>	
OK	Cancel <u>H</u> elp	

3. Set the custom paper size

Enter the Width and Height values of the paper to be used, specify the Units, and then click OK.

4. Complete the setup

Click OK on the Page Setup tab.

When you execute print, the data is printed with the specified paper size.

### >>>> Important

- If the application software that created the document has a function for specifying height and width values, use the application software to set the values. If the application software does not have such a function or if the document does not print correctly, perform the above procedure from the printer driver to set the values.
- Printing may be disabled depending on the size of the specified user-defined media. For information about printable sizes for user-defined media, see "<u>Paper Sizes</u>."
- Any paper size that was set by using **Custom Size** can no longer be used after the application software is closed.

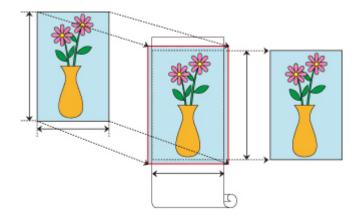
## >>>> Note

- If the paper settings in the printer driver differ from the paper information registered on the printer, an error message may appear on the printer's operation panel. You can still print but you may not be able to obtain correct print results.
- The maximum configurable size with **Custom Size** is 3.2m.

# Prints without Edges Based on the Scenarios

- > Printing without Margins to Match Paper Size
- > Printing without Margins to Match Roll Paper Width
- > Printing Full-Size without Margins

# Printing without Margins to Match Paper Size



Procedure for printing borderless (without white margins around the edges) by enlarging/reducing documents to match paper size.

- 1. In the printer driver, open the settings screen
- 2. Select a feeding method

In **Paper Source**, choose the best option for your purposes between **Roll Paper (Auto)**, **Roll 1** and **Roll 2**.

### Important

• The feeding methods you can choose from vary depending on paper and lower tray (paper roll 2) settings, or on roll unit option settings.

#### 3. Select paper roll width

For paper roll width, enter the same value set in the printer under Roll Width.

4. Select borderless printing

In the Page Setup tab, place a checkmark next to the Borderless Printing option.

	Page Size :	Letter (8.5"x11")
<u>*</u>	Bordgriess Print	ing Borderless Setting
	Borderlegs Printing Meth	bo
	O Rt Paper Size	
	Scale to ft Roll	Paper Width
	O Print Image with	Actual Size
Letter (8.5"x11") : 8 50 in x 11.00 in	Printer Paper Size :	Auto
<ul> <li>Borderless(Rol Width)</li> <li>44 in Roll (1117.6mm) :</li> </ul>	Oriegtation	
44.00 in x 56.98 in	▲ @ Po	ntrat 🔬 🔿 Landscape
	Rojate Page 9	0 degrees
	Paper Soyrce :	Roll Paper (Auto)
<u>* X - </u>	Roll Paper Width :	44 in Roll (1117.6mm)
		Roll Paper Options

After the **Information** dialog is displayed, under **Roll Width**, select the same paper width as that of the paper roll loaded in the printer and click **OK**.

5. Determine by how much you want the image to exceed the size of the paper

#### Adjust Amount of Extension as needed.

When clicking on **Borderless Setting**, the **Borderless Setting** dialog box will appear. Dragging the slide bar to the right will increase overflow, while dragging it to the left will reduce it. The second position from the right is recommended for most cases.

### Important

• If the **Amount of Extension** slide bar is set to the far right position, the back of the paper may come out stained.

#### 6. Select a method for printing borderless

In the **Borderless Printing Method** tab, place a checkmark next to the **Fit Paper Size** option. If the size of the document is different from the size of the paper you want to print on, select the paper size you want to print on from **Printer Paper Size**.

7. Complete the setting process

#### Click OK.

If you print now, the document will be printed without margins to fit the paper size.

### >>>> Important

- If you choose a paper size not compatible with borderless printing, it will be replaced with a size compatible with whole-surface borderless printing.
- If you place a checkmark next to the **Borderless Printing** option, the **Page Layout** and **Print Centered** options in the **Layout** tab will be displayed in gray out and you will not be able to configure them.

- Depending on paper size, the length/width ratio of the paper may be different from that of the image, making it impossible for the whole image to fit on the paper. When this happens, crop the image with the application software to match paper size.
- When printing borderless, printing may stop abruptly and the paper will be cut causing a slight color unevenness on the edges of the paper. If you require exceptionally high quality, in the Roll Paper Options dialog box select No from the Auto Cut... list. When you do so, the document will be printed without the left and right margins. After the printed material has exited the printer and has been cut, cut the upper and lower edges with a pair of scissors.
- When printing borderless on paper with low ink-fixing properties, depending on frequency of use, the cutter unit may come into contact with the paper surface scratching it and causing the paper to be unevenly cut.

You may be able to improve the situation by clicking **Specify...** on the **Main** tab and, in the **Paper Detailed Settings** dialog box, under **Drying Time**, set **Between Pages** to a higher value.

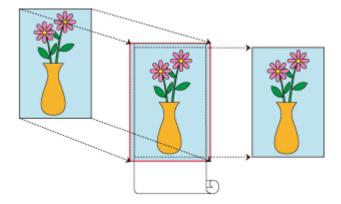
- If you print borderless while Automatically switch paper sources (paper size priority) is on, in the Page Setup tab, under Borderless Printing Method, you will only be able to select Scale to fit Roll Paper Width. In such cases, paper roll 1 (the paper roll in the upper tray) will be normally used for printing. If the size, or the type, of the paper set in roll 1 is not compatible with borderless printing, you will not be able to print borderless.
- If the following paper is selected for **Roll Width**, margins may be formed on the left and right of the document even when borderless printing is set.
  - A2/A3 Roll (420.0mm)
  - 16 in Roll (406.4mm)
  - A3+ Roll (329.0mm)
  - 300mm Roll (300.0mm)
  - A3/A4 Roll (297.0mm)
  - B4 Roll (257.0mm)
  - 8 in Roll (203.2mm)

Also, stains may appear on the back of the paper.

## >>>> Note

• When using applications like Microsoft Word which allow you to set margins, set margins to 0 mm.

# Printing without Margins to Match Roll Paper Width



Procedure for printing borderless (without white margins around the edges) by enlarging/reducing documents to match roll paper width.

- 1. In the printer driver, open the settings screen
- 2. Select a feeding method

In **Paper Source**, choose the best option for your purposes between **Roll Paper (Auto)**, **Roll 1** and **Roll 2**.

### Important

- The feeding methods you can choose from vary depending on paper and lower tray (paper roll 2) settings, or on roll unit option settings.
- 3. Select paper roll width

For paper roll width, enter the same value set in the printer under Roll Width.

4. Select borderless printing

In the Page Setup tab, place a checkmark next to the Borderless Printing option.

	Page Size :	Letter (8.5"x11")
<b>*</b>	Bordgriess Print	ting Borderless Setting
	Borderlegs Printing Meth	od
	O Fit Paper Size	
	Scale to ft Roll	Paper Width
	O Print Image with	h Actual Size
Letter (8.5"x11") : 8.50 in x 11.00 in	Printer Paper Size	Auto
Borderless(Rol Width) 44 in Rol (1117.6mm) ;	Orientation	
44.00 in x 56.98 in	M ⊕ Po	otrat 🔬 🔿 Landscape
		war 🛄 () Lanoscape
	Rotate Page 9	0 degrees
	Paper Soyrce :	Roll Paper (Auto)
<u>*8</u>	Roll Paper Width :	44 in Roll (1117.6mm)
		Roll Paper Options

After the **Information** dialog is displayed, under **Roll Width**, select the same paper width as that of the paper roll loaded in the printer and click **OK**.

5. Determine by how much you want the image to exceed the size of the paper

#### Adjust Amount of Extension as needed.

When clicking on **Borderless Setting**, the **Borderless Setting** dialog box will appear. Dragging the slide bar to the right will increase overflow, while dragging it to the left will reduce it. The second position from the right is recommended for most cases.

### >>>> Important

• If the **Amount of Extension** slide bar is set to the far right position, the back of the paper may come out stained.

6. Select a method for printing borderless

Place a checkmark next to Scale to fit Roll Paper Width in Borderless Printing Method.

7. Complete the setting process

Click OK.

Job will print to the entire roll width without a white border.

### >>>> Important

- If you choose a paper size not compatible with borderless printing, it will be replaced with a size compatible with whole-surface borderless printing.
- If you place a checkmark next to the **Borderless Printing** option, the **Page Layout** and **Print Centered** options in the **Layout** tab will be displayed in gray out and you will not be able to configure them.
- Depending on paper size, the length/width ratio of the paper may be different from that of the image, making it impossible for the whole image to fit on the paper.
   When this happens, crop the image with the application software to match paper size.

- When printing borderless, printing may stop abruptly and the paper will be cut causing a slight color unevenness on the edges of the paper. If you require exceptionally high quality, in the Roll Paper Options dialog box select No from the Auto Cut... list. When you do so, the document will be printed without the left and right margins. After the printed material has exited the printer and has been cut, cut the upper and lower edges with a pair of scissors.
- When printing borderless on paper with low ink-fixing properties, depending on frequency of use, the cutter unit may come into contact with the paper surface scratching it and causing the paper to be unevenly cut.

You may be able to improve the situation by clicking **Specify...** on the **Main** tab and, in the **Paper Detailed Settings** dialog box, under **Drying Time**, set **Between Pages** to a higher value.

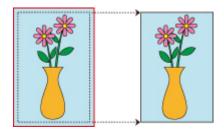
- If you print borderless while Automatically switch paper sources (paper size priority) is on, in the Page Setup tab, under Borderless Printing Method, you will only be able to select Scale to fit Roll Paper Width. In such cases, paper roll 1 (the paper roll in the upper tray) will be normally used for printing. If the size, or the type, of the paper set in roll 1 is not compatible with borderless printing, you will not be able to print borderless.
- If the following paper is selected for **Roll Width**, margins may be formed on the left and right of the document even when borderless printing is set.
  - A2/A3 Roll (420.0mm)
  - 16 in Roll (406.4mm)
  - A3+ Roll (329.0mm)
  - 300mm Roll (300.0mm)
  - A3/A4 Roll (297.0mm)
  - B4 Roll (257.0mm)
  - 8 in Roll (203.2mm)

Also, stains may appear on the back of the paper.

## Note

• When using applications like Microsoft Word which allow you to set margins, set margins to 0 mm.

# **Printing Full-Size without Margins**



Procedure for printing borderless (without white margins around the edges) images in the same size as the original document without enlarging/reducing themRecommended if you prize quality.

- 1. In the printer driver, open the settings screen
- 2. Select a feeding method

In **Paper Source**, choose the best option for your purposes between **Roll Paper (Auto)**, **Roll 1** and **Roll 2**.



- The feeding methods you can choose from vary depending on paper and lower tray (paper roll 2) settings, or on roll unit option settings.
- 3. Select paper roll width

For paper roll width, enter the same value set in the printer under **Roll Width**.

4. Select borderless printing

In the Page Setup tab, place a checkmark next to the Borderless Printing option.

Canon Printing Preference Main Page Setup Layout Favortes			×
Main Page Setup Layout Pavortee	Utity Page Sze: Letter (8.5'x11') Borderless Printing Borderless Printing Borderless Printing Borderless Printing Method Print Image with Actual Size Printer Paper Size: Auto Oriegtation Oriegtation Print Actual Size Printer Paper Size: Auto Prin		
	Paper Soyrce : Roll Paper Width : Output Methog	Roll Paper (Auto) 44 in Roll (1117.6mm) Roll Paper Options Sige Options Defaults	~
	ОК	Cancel Apply Help	

After the **Information** dialog is displayed, under **Roll Width**, select the same paper width as that of the paper roll loaded in the printer and click **OK**.

5. Determine by how much you want the image to exceed the size of the paper

### Adjust Amount of Extension as needed.

When clicking on **Borderless Setting**, the **Borderless Setting** dialog box will appear. Dragging the slide bar to the right will increase overflow, while dragging it to the left will reduce it. The second position from the right is recommended for most cases.

## Important

- If the **Amount of Extension** slide bar is set to the far right position, the back of the paper may come out stained.
- 6. Select a method for printing borderless

Place a checkmark next to Print Image with Actual Size in Borderless Printing Method.

7. Complete the setting process

### Click OK.

Job will print to original size without white border.

### Important

• Create the source document with a size 3mm larger on each of the top, bottom, left and right sides from the size of the paper you wish to print.

## >>>> Important

- If you choose a paper size not compatible with borderless printing, it will be replaced with a size compatible with whole-surface borderless printing.
- If you place a checkmark next to the **Borderless Printing** option, the **Page Layout** and **Print Centered** options in the **Layout** tab will be displayed in gray out and you will not be able to configure them.
- Depending on paper size, the length/width ratio of the paper may be different from that of the image, making it impossible for the whole image to fit on the paper.

When this happens, crop the image with the application software to match paper size.

- When printing borderless, printing may stop abruptly and the paper will be cut causing a slight color unevenness on the edges of the paper. If you require exceptionally high quality, in the Roll Paper Options dialog box select No from the Auto Cut... list. When you do so, the document will be printed without the left and right margins. After the printed material has exited the printer and has been cut, cut the upper and lower edges with a pair of scissors.
- When printing borderless on paper with low ink-fixing properties, depending on frequency of use, the cutter unit may come into contact with the paper surface scratching it and causing the paper to be unevenly cut.

You may be able to improve the situation by clicking **Specify...** on the **Main** tab and, in the **Paper Detailed Settings** dialog box, under **Drying Time**, set **Between Pages** to a higher value.

• If you print borderless while Automatically switch paper sources (paper size priority) is on, in the Page Setup tab, under Borderless Printing Method, you will only be able to select Scale to fit Roll Paper Width. In such cases, paper roll 1 (the paper roll in the upper tray) will be normally used for

printing. If the size, or the type, of the paper set in roll 1 is not compatible with borderless printing, you will not be able to print borderless.

- If the following paper is selected for **Roll Width**, margins may be formed on the left and right of the document even when borderless printing is set.
  - A2/A3 Roll (420.0mm)
  - 16 in Roll (406.4mm)
  - A3+ Roll (329.0mm)
  - 300mm Roll (300.0mm)
  - A3/A4 Roll (297.0mm)
  - B4 Roll (257.0mm)
  - 8 in Roll (203.2mm)

Also, stains may appear on the back of the paper.

### >>>> Note

• When using applications like Microsoft Word which allow you to set margins, set margins to 0 mm.

# **Changing the Clear Coating Settings**

When you execute clear coating, the printer applies chroma optimizer (CO) ink onto the printing surface and allows you to adjust the glossiness.





document

Clear Coating print result

This section explains procedures for changing the clear coating settings.

1. Open the printer driver setup window

### 2. Select Advanced Settings

From the Main tab pull-down menu, select Advanced Settings.

Canon Printing Preference Main Page Setup Layout Favorites			×
	Media Type : Plain F	aper	~
	G	t information	Specify
	Advanced Settings	~	
	Print Quality :	Standard	~
			Resolution :300dpi
Letter (8.5"x11") :	<u>C</u> olor Mode :	Color	~
8.50 in x 11.00 in Actual Size		[	Color Settings
Letter (8.5"x11") : 8.50 in x 11.00 in			
<b>F</b>	Thickeg Fine Line	5	
<u>ل</u>	Preview before print	ing	
	Status Monitor	Agout	Defaults
	ОК	Cancel	Apply Help

3. Select color mode

For **Color Mode**, select **Color**, and then click **Color Settings**. The **Color Settings** dialog box appears.

4. Set clear coating area

Click the **Clear Coating** tab, select the **Clear Coating Area** item that matches your purpose (see below for the selections), and then click **OK**.

Color Settings	×
Color Adjustment Matching Oear Costing	
Clear Coating Area :	Auto 🗸
	Defaults
	OK Cancel Help

### Auto

The printer automatically sets the areas to be clear-coated and whether clear coating is to be executed.

It may be possible to reduce the ink consumption of the chroma optimizer (CO) or to accelerate the print speed.

### Overall

The printer clear-coats the entire print area.

If selecting **Auto** produced unsatisfactory clear coating effects, selecting **Overall** may improve the results.

### >>>> Important

• Depending on the type of paper selected from **Media Type** on the **Main** tab, you may not be able to select **Overall** tab.

For paper for which **Overall** can be used, select the paper you want to use from "Paper Information List" and check the information.

• If **Overall** is selected and the media type is changed to one that cannot use **Overall**, the clear coating area setting is changed to **Auto**.

### 5. Complete the setup

### Click **OK** on the **Main** tab.

When printing is executed, the clear coating effect that was set is added when the document is printed.

# Printing Hanging and Horizontal Banners (Large-Format Printing)

A drapery or banner up to 18.0m can be made by enlarging or reducing original documents made on application software.

However, there are cases in which an 18.0 meter banner cannot be printed because the application software used has limits on the document size that can be set.

The procedure for printing hanging and horizontal banners is as follows:

## Print for width of roll

- 1. Create document by using application software
- 2. Open the printer driver setup window
- 3. Select the paper size

Select the same original paper size created in the application soft in the **Page Setup** tab's **Page Size**. In the event an optional size is set in the application software, select **Custom Size** from **Custom Paper Size** in **Page Size** and <u>designate size</u> in the dialog box that appears.

4. Select roll width

Select the equivalent to the paper width of the roll set in the printer under Roll Width.

### 5. Set Enlarged/Reduced Printing

### Check Enlarged/Reduced Printing and select Fit Roll Paper Width.

When the **Information** dialog box appears, select the equivalent to the paper width of the roll set in the printer.

Canon Printing Preference		×
Main Page Setup Layout Favortes	Page Size :	Letter (8.5"x11") ~
	Enlarged/Reduced Pri C Enlarged/Reduced Pri C Rt Paper Size	
Letter (8.5"x11") :	Rt Roll Paper W     O Scaling	Auto 🗘 % (5 - 600)
8 50 in x 11 00 in Rol Wido: 529/6 44 in Rol (1117,6mm) : 44 00 in x 57 23 in	Oriegtation	
	Rojake Page 90	
1-8-	Paper Soyrce : Roll Paper Width :	Roll Paper (Auto) ~ 44 in Roll (1117,6mm) ~
	Output Methog	Rgl Paper Options Size Options De(aults
	ок	Cancel Apply Help

6. Complete the setup

### Click OK.

When printing is executed, a drapery or banner can be printed according to the roll.

## **Enlarge and print**

1. Register user-defined paper

Register both the actual desired print size (user-defined paper 1) and original document size created in application (user-defined document size 2) in the <u>Size Options...</u> under the **Page Setup** tab.

### >>>> Note

Please set user-defined paper 2 to the same aspect ration as user-defined paper 1. If the aspect ratio differs, the enlarged image may not turn out to be the expected size.
 After creating user-defined paper 1, if user-defined paper 2 is created after checking Fix the Ratio of the Width to Height, settings can be set to the same aspect ratio.

Also set user-defined paper 2 to a size that doesn't exceed the maximum size supported by the application.

For example, when printing on paper 600mm wide and 3,000mm long, use the following settings.

(when setting length to 1/6 the user-defined paper)

- User-defined paper 1: Width600mm, Height3,000mm
- User-defined paper 2: Width100mm, Height500mm
- 2. Create original document in application software

Use registered user-defined paper 2 to create original document in application software.

- 3. Open printer driver settings screen
- 4. Select Paper Size

Select registered user-defined paper 1 from Custom Paper Size in Page Setup tab's Page Size.

5. Complete the setup

### Click OK.

When you print, the hanging or horizontal banner is printed by using the user-defined size.

### >>>> Note

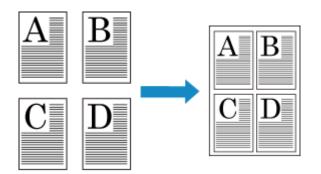
- Maximum printable length is 18.0m. In the event the enlarged length exceeds 18.0m, the part of the image exceeding the length will not be printed.
- If printing cannot be performed correctly, you may be able to improve printing by using **Special Settings** on the **Layout** tab to change **FineZoom Settings** to **Yes**.

# **Printing by Dividing/Joining Documents**

- Lining Up and Printing Multiple Documents
- > Printing by Connecting Multiple Pages
- > Printing Multiple Pages All on One Page
- Dividing and Printing Posters

# Lining Up and Printing Multiple Documents

You can line up multiple documents that were created separately and print them together on one page.



The procedure for lining up and printing multiple documents is as follows:

1. Open the printer driver setup window

### 2. Select Free Layout

On the Layout tab, select the Page Layout check box, and then from the pull-down menu, select Free Layout.

Canon Printing Preference	es	×
Main Page Setup Layout Favorites	Utility	
	Page Layogt :	Free Layout V
	Stamp :	CONFIDENTIAL V
		Define Stamp
Letter (8.5"x11") : 8.50 in x 11.00 in Actual Size	Print Center	ed
Letter (8.5'x11') : 8.50 in x 11.00 in	⊆_5Botate 180.	degrees
	at Top or Bottom	
	Copies :	1 (1 - 999)
N N		Print from Last Page
J		
	Page Options	Special Settings Defaults
	ОК	Cancel Apply Help

### 3. Complete the setup

### Click OK.

When you print, Canon imagePROGRAF Free Layout starts. Canon imagePROGRAF Free Layout allows you to edit and rearrange images.

### >>>> Note

• To lay out multiple application software documents onto one page, repeat steps 1 to 3 without closing the Canon imagePROGRAF Free Layout window.

# **Printing by Connecting Multiple Pages**

You can eliminate the blank spaces between pages in a document that extends over multiple pages and print the document as one continuous document.

The procedure for printing by connecting multiple pages is as follows:

- 1. Open the printer driver setup window
- 2. Select the paper source

For **Paper Source** on the **Page Setup** tab, select the setting that matches your purpose from **Roll Paper** (Auto), Roll 1, and Roll 2.

🖶 Canon Printing Preference	5	×
Main Page Setup Layout Favorites	Ubilty	
	Page Size :	Letter (8.5"x11") ~
	Bordgriess Printing	
	Enlarged/Reduced Print	tng
	It Paper Size It Roll Paper Wd	
	Scaling	Auto 🖨 % (5 - 600)
Letter (8.5"x11") :		
8.50 in x 11.00 in	Printer Paper Size :	Same as Page Size 🗸 🗸
Actual Size Letter (8.5"x11") :	Oriegtation	
8.50 in x 11.00 in	A Ports	at \Lambda 🛆 Landscape
	(=	
- ACTO	🛄 🗌 Rotate Page 90 d	legrees
	Paper Soyrce :	Roll Paper (Auto)
N N N	Roll Paper Width :	44 in Rol (1117.6mm) ~
4		Roll Paper Options
	Output Methog	Sige Options De(aults
	ОК	Cancel Apply Help

### Important

• The paper feed method will differ according to the paper or lower level (roll paper 2) settings, or roll unit option settings.

### 3. Set roll paper options

Click **Roll Paper Options** to display the **Roll Paper Options** dialog box. Select the **Banner Printing** check box, and then click **OK**. The current settings are displayed in the settings preview on the left side of the **Page Setup** tab.

	Page Size :	Letter (8.5"x11")
Letter (8.5'x11') :	Bordgress Printing Enlaged/Reduced Print ® Rt Paper Size Pit Roll Paper Widt Scaling	h Auto 🗘 % (5 - 600)
8.50 in x 11 00 in Actual Size Letter (8.5'x11'): 8.50 in x 11.00 in	Printer Paper Sjos :     Oriegtation     Oriegtation     Oriegtation     Oriegtation     Oriegtation     Oriegtation     Oriegtation	
	Paper Source :	Roll Paper (Auto)
N N N	Roll Paper Width :	44 in Roll (1117.6mm) ~
<b>بر</b>		Roll Paper Options
	Output Method	Size Options Defaults

4. Complete the setup

Click **OK** on the Page Setup tab.

When you print, the document is printed with the print conditions you set.

# **Printing Multiple Pages All on One Page**

The page layout printing function allows you to print more than one page image on a single sheet of paper.



The procedure for printing multiple pages all on one page is as follows:

- 1. Open the printer driver setup window
- 2. Select the print paper size

From the Page Size list on the Page Setup tab, select the size of the paper loaded in the printer.

Canon Printing Preferen		×
Main Page Setup Layout Favorites	Utity Page Size :	Letter (8.5'x11'') ~
	Bordgriess Printin     Enlarged/Reduced Print     In Report Size	
Letter (8.5"×11") :	Rt Roll Paper We     Scaling     Printer Paper Size :	Auto 🔹 🌫 (5 - 600)
8 50 in x 11 00 in Actual Size Letter (8.5'x11'): 8.50 in x 11.00 in	Oriegtation	
	Rotate Page 90	
N	Paper Soyrce : Roll Paper Width :	Roll Paper (Auto) ~ 44 in Roll (1117.6mm) ~
	Output Method	Rgl Paper Options Size Options De(auts
	ОК	Cancel Apply Help

3. Set number of pages to be printed per sheet

On the Layout tab, select the Page Layout check box, and from the pull-down menu, select 2 Pages/ Sheet, 4 Pages/Sheet, 6 Pages/Sheet, 8 Pages/Sheet, 9 Pages/Sheet, or 16 Pages/Sheet. The current settings are displayed in the settings preview on the left side of the window.

🖶 Canon Printing Preference	xes X
Main Page Setup Lityout Favorites	Usity
	Page Layogt :
	Stamp : CONFIDENTIAL ~
	Define Stamp
Letter (8.5'x11') : 8.50 in x 11.00 in 4 Actual Size	Pringt Centered
Letter (8.5'x11') : 8.50 in x 11.00 in	SS Rotate 180 degrees
	No Spaces at Top or Bottom
	Copies : 10 (1 - 595)
	Print from Last Page
	Page Options Special Settings Defaults
	OK Cancel Apply Help

### Note Note

• 8 Pages/Sheet cannot be used when the XPS printer driver is used.

4. Set the number of pages to be printed on one sheet and the page order

If necessary, click **Set...**, specify the following settings in the **Page Layout Printing** dialog box, and click **OK**.

Page Layout Printing				×
	Page Order :	Left to right		~
	Page Border :	None		Ý
	0K	Cancel	De(ault:	Help

### Page Order

To change the page arrangement order, select a placement method from the list.

### Page Border

To print a page border around each document page, check this check box.

### 5. Complete the setup

### Click OK on the Layout tab.

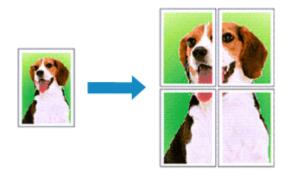
When you execute print, the specified number of pages will be arranged on each sheet of paper in the specified order.



• When there is a checkmark attached to **Banner Printing** on the **Page Setup** tab, **Page Layout** is grayed out and cannot be set.

# **Dividing and Printing Posters**

The tiling/poster printing function allows you to enlarge image data, divide it into several pages, and print these pages on separate sheets of paper. You can also paste the pages together to create a large print like a poster.



The procedure for dividing and printing posters is as follows:

## **Setting for Dividing and Printing Posters**

- 1. Open the printer driver setup window
- 2. Select the print paper size

From the Page Size list on the Page Setup tab, select the size of the paper loaded in the printer.

Canon Printing Preference	es	×
Main Page Setup Layout Favorites	Ubity	
	Page Size :	Letter (8.5"x11") ~
<b>*</b>	Bordgriess Printing	Borderless Setting
	Enlarged/Reduced Print	ting
	In Paper Size	
	Fit Roll Paper Widt	th
	Scaling	Auto 🗘 % (5 - 600)
Letter (8.5"x11") : 8.50 in x 11.00 in	Printer Paper Size :	Same as Page Size 🗸 🗸
Actual Size Letter (8.5"x11") :	Oriegtation	
8.50 in x 11.00 in	🔥 🖲 Portra	at 🔥 🔿 Landscape
	Rotate Page 90 d	legrees
	Paper Source :	Roll Paper (Auto) 🗸
K K	Roj Paper Width :	44 in Roll (1117.6mm) ~
<u>ل</u>		Roll Paper Options
	Output Methog	Sige Options Defaults
	ОК	Cancel Apply Help

3. Set number of divisions

On the Layout tab, select the Page Layout check box, and from the pull-down menu, select Poster (1 x 2) or Poster (2 x 2).

The current settings are displayed in the settings preview on the left side of the window.

Dirinting Preference	5	×
Main Page Setup Layout Favortes	Ubility	
	☑ Page Layo <u>u</u> t :	Poster (2 x 2)
	Stamp :	CONFIDENTIAL V
		Define Stamp
Letter (8.5"x11") : 8.50 in x 11.00 in Actual Size	Print Centere	d
Letter (8.5"x11") : 8.50 in x 11.00 in	Solution 180 d	egrees
	No Spaces a	t Top or Bottom
	<u>Copies</u> :	1 0 (1 - 999)
N N		Print from Last Page
- J		
	Page Options	Special Settings De(aults
	ОК	Cancel Apply Help

4. Complete the setup

### Click **OK** on the **Page Setup** tab.

When you execute print, the document will be divided into several pages during printing.

### Important

• When there is a checkmark attached to **Banner Printing** on the **Page Setup** tab, **Page Layout** is grayed out and cannot be set.

## **Printing Only Specific Pages**

If ink becomes faint or runs out during printing, you can reprint only the specific pages by following the procedure below:

### 1. Display Pages to Print dialog box

For Page Layout, click Set to display the Pages to Print dialog box.

2. Set print range

Clear the check boxes of the pages you do not want to print. In the setting view, the pages that you cleared are deleted and only the pages to be printed are displayed.

Check the pages to be printed, and then click **OK**.

Pages to Print				×
	23 23	₩2 ₩4		Invert
OK	c	ancel	Dejaults	Help

### Note

- In the setting view on the left side of the Pages to Print dialog box, you can also clear the display by clicking the pages you do not want to print.
   To redisplay a cleared page, click that page again.
- To switch the pages to display/hide, click Invert in the Pages to Print dialog box.
- 3. Complete the setup

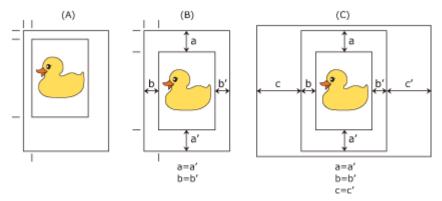
Click **OK** on the **Layout** tab. When you print, only the specified pages are printed.

### >>>> Important

• If you partition and print as a poster, the source document will be printed in enlarged form, so the print results may become rough.

# **Printing Document in Center of Paper**

When you want to position the source document in the middle of the cut paper and print, or print with even margins on the right and left in relation to the width of the roll paper, use the **Print Centered** function. The print results when setting with **Print Centered** are as follows. Normally, if **Print Centered** is set when printed as in (A), it will be printed as in (B) for cut paper and (C) for roll paper.



### >>>> Note

• When setting the magnification using **Scaling** from **Enlarged/Reduced Printing** on the **Page Setup** tab and printing, the start point for enlarge/reduce will always be fixed based on the top left corner of that page. For that reason, for reduced printing, the bottom and right margins of the paper will increase. At this time, if you place a checkmark next to **Print Centered** on the **Layout** tab, the top, bottom, left and right margins can all be printed evenly.

The procedure for printing in the center of the paper is as follows:

- 1. Open the printer driver setup window
- 2. Select the media type

Select the type of paper loaded in the printer from the Media Type list on the Main tab.

	Media Type : Pi	ain Paper	
	_	Get Information	Specify
	Easy Settings	~	
	Print Target :		
	9670930944	Default Settings	
	10 R	Photo (Color) Photo (Monochrome)	
Letter (8.5'x11") : 8 50 in x 11.00 in	200 (200 (200 (200 (200 (200 (200 (200	Poster	
Actual Size			
Letter (8.5"x11") :	Dist O sites	a	
8.50 in x 11.00 in	Print Quality :	Standard	× ×
	Suitable for print text, photograph	ing normal documents that co is and graphics.	ontain a midure of
AC-	in the second second		
			2
	L		March March
K K			yew Settings
	Preview before	nintion	
	C	bear of a	

3. Select the paper size

Select the size of the paper you want to print from Page Size on the Page Setup tab.

	Rage Size :	Letter (8.5"x11")	Ý
<b>*</b>	Borderless	·	ing
	Enlarged/Reduc	-	
	It Paper S Ft Roll Page		
	⊖ He Hol Pag ⊖ Scaling	Auto 🗘 % (5 - 600)	
Letter (8.5"x11") :	_	1	
8.50 in x 11.00 in	Printer Paper	Size : Same as Page Size	Ŷ
Actual Size Letter (8.5"x11") :	Oriegtation		
8.50 in x 11.00 in	A	🖲 Portrat 🚺 🔿 Landscape	
- ACT	C Rotate Pa	ge 90 degrees	
	Paper Soyrce :	Roll Paper (Auto)	Ý
K S	Roll Paper Width :	44 in Rol (1117.6mm)	~
		Roll Paper Opt	
		rige risper ope	ona
<b>بر</b> ·		-	

4. Set magnification as necessary

Where necessary, attach a checkmark next to **Enlarged/Reduced Printing**, and set according to the objective.

5. Select the paper source

For Paper Source, select the setting that matches your purpose.



- The paper feed method will differ according to the paper or lower level (roll paper 2) settings, or roll unit option settings.
- 6. Select roll paper width

If you selected a roll paper for **Paper Source**, set **Roll Paper Width** to the width of the roll paper loaded in the printer.

7. Print document in the center of paper

Select the Print Centered check box on the Layout tab.

🖶 Canon Printing Preference	es	×
Main Page Setup Layout Favorites	Ublity	
	Page Layout :	Poster (2 x 2)
	Stamp :	Set
Letter (8.5°x11°) : 8.50 in x 11.00 in	Pringt Centere	Define Stamp
Actual Size Letter (8.5"x11"):     8.50 in x 11.00 in	Salate 180 d	
No Spaces at Top or Bottom		
N	<u>C</u> opies :	1 0 (1 - 999)
7		
	Page Options	Special Settings De(auts
	ОК	Cancel Apply Help

8. Complete the setup

## Click OK.

When you print, the document is printed in the center of the paper.

# Printing by Saving Roll Paper

- Saving Roll Paper by Rotating Document 90 Degrees
- Saving Roll Paper by Eliminating Upper and Lower Margins on Document

# Saving Roll Paper by Rotating Document 90 Degrees

When printing a portrait document on roll paper, you can save paper by rotating the document 90 degrees and printing the document so that it is oriented horizontally relative to the paper.

The procedure for saving paper by rotating the document 90 degrees is as follows:

1. Open the printer driver setup window

### 2. Select the media type

Select the type of paper loaded in the printer from the Media Type list on the Main tab.

Canon Printing Preferen Main Page Setup Layout Favortes		×
	Media Type : Plain Paper	~
<b>1</b>	Get Information Specify	
Letter (85'x11'): 850 h x 11 00 h Actual Size Letter (85'x11'): 850 h x 11 00 h	Easy Settings	~
N	<u>M</u> ew Settings	~
- J	Preview before printing	
	Status Monitor About Defaults	1
	OK Cancel Apply H	elp

3. Select the paper size

From the **Page Size** list on the **Page Setup** tab, select the same size as that of the document that was created with the application software.

4. Select the paper source

For **Paper Source** on the **Page Setup** tab, select the setting that matches your purpose from **Roll Paper** (Auto), Roll 1, and Roll 2.



- The paper feed method will differ according to the paper or lower level (roll paper 2) settings, or roll unit option settings.
- 5. Selecting Paper Saving

Select the Rotate Page 90 degrees check box.

The current settings are displayed in the settings preview on the left side of the window.

Aain Page Setup Layout Favortee			
	Page Size :	Letter (8.5"x11")	~
	Bordgriess Print	ing Borderless Setti	ng
	Enlarged/Reduced F	Printing	
	In Paper Size		
	Rt Roll Paper V	Wdth	
	Scaling	Auto 🗘 % (5 - 600)	
Letter (8.5"x11") : 8.50 in x 11.00 in	A Printer Paper Size	Same as Page Size	Ŷ
Actual Size			
Letter (8.5"x11") : 8.50 in x 11.00 in	Oriegtation		
	A @ Pc	otrat 🔬 🔿 Landscape	
	Rotate Page 9	0 degrees	
	Paper Soyrce :	Roll Paper (Auto)	~
S S S S S S S S S S S S S S S S S S S	Roll Paper Width :	44 in Roll (1117.6mm)	~
		Roll Paper Optio	-
		1.5. Labor obto	
	Output Method	Size Options De(a	

6. Select roll paper width

For Roll Paper Width, select the width of the roll paper loaded in the printer.

🖶 Canon Printing Preference	es	×
Main Page Setup Layout Favortes	Utility	
Letter (8.5'x11') :	Page Size : Bordgress Printing Filarged/Reduced Print ® Rt Paper Size Rt Roll Paper Widt Scaling Printer Paper Size :	h Auto 🗘 % (5 - 600)
4 Actual Size Letter (8 5°x11'):     8.50 in x 11.00 in	Orientation	at 🛆 🔿 Landscape
	Paper Soyrce :	Roll Paper (Auto) V
<u>N</u>	Roll Paper Width :	44 in Rol (1117.6mm) ~
· /		Roll Paper Options
	Output Method	Sige Options De(aults
	ОК	Cancel Apply Help

7. Complete the setup

### Click OK.

When you print, you can rotate a portrait document 90 degrees to save paper.

### >>>> Important

• When there is a checkmark attached to **Banner Printing** on the **Page Setup** tab, **Rotate Page 90 degrees** is grayed out and cannot be set.

• When selecting paper in portrait format as the **Page Size** from the **Page Setup** tab, if the length in the vertical direction is longer than the width selected in **Roll Width**, even if a checkmark is placed next to **Rotate Page 90 degrees**, the page will not be rotated.

## Saving Roll Paper by Eliminating Upper and Lower Margins on Document

When printing on roll paper, you can save paper by eliminating the upper and lower margins when printing.

The procedure for saving paper by eliminating the upper and lower margins is as follows:

1. Open the printer driver setup window

### 2. Select the media type

Select the type of paper loaded in the printer from the **Media Type** list on the **Main** tab.

Canon Printing Preference Main Page Setup Layout Favortes		×
	Media Type : Plain Paper	7
	Get Infgmation Specify	
Letter (85'x11'): 850 n x 11 00 n Actual Size Letter (85'x11'): 850 n x 11.00 n	Easy Settings       V         Print Target :       Print Quality :         Photo (Color)       Proto (Color)         Poster       Poster         Print Quality :       Standard         Suitable for printing normal documents that contain a midure of text, photographs and graphics.       ^	511
T	 View Settings	
1	Preview before printing	
	Status Monitor Agout Defaults	
	OK Cancel Apply Help	

3. Select the paper size

From the **Page Size** list on the **Page Setup** tab, select the same size as that of the document that was created with the application software.

	Page Size :	Letter (8.5"x11")
<b>*</b>	Bordgriess	
	Enlarged/Redu	
	Ft Paper	
	O Fit Roll Pa	
(1.111-10.00 ALE) -	⊖ Scaling	Auto 🗘 🌫 (5 - 600)
Letter (8.5"x11") : 8 50 in x 11 00 in	Printer Paper	Sjoe : Same as Page Size
Actual Size	0	
Letter (8.5"x11") : 8.50 in x 11.00 in	Orientation	
		Potrat
	Rotate P	age 90 degrees
the second se	Paper Source :	Roll Paper (Auto)
		ALL DIAMARK IN
N	Roll Paper Width :	44 in Roll (1117.6mm)
IN	Roll Paper Width :	
I	Rolj Paper Width :	44 in Hot (1117.5mm) Rgl Paper Options

4. Select the paper source

For **Paper Source** on the **Page Setup** tab, select the setting that matches your purpose from **Roll Paper** (Auto), Roll 1, and Roll 2.

### Important

• The paper feed method will differ according to the paper or lower level (roll paper 2) settings, or roll unit option settings.

5. Select roll paper width

For Roll Paper Width, select the width of the roll paper loaded in the printer.

6. Selecting Paper Saving

On the **Layout** tab, select the **No Spaces at Top or Bottom** check box. The current settings are displayed in the settings preview on the left side of the window.

Canon Printing Preference	5	×
Main Page Setup Layout Favorites	Ublity	
	Page Layout :	Vidue Poster (2 x 2)
	Stamp :	CONFIDENTIAL
(Letter (8.5'x11') :		Deline Stamp
Letter (8.5 x11 ):         8.50 in x 11.00 in         Actual Size         Letter (8.5'x11'):	Prigt Centered	
8.50 in x 11.00 in	Solo Botate 180 deg	grees
	No Spaces at	Top or Bottom
	Copies :	1 (1 - 999)
		Print from Last Page
	Page Options	Special Settings De(auts
	ОК	Cancel Apply Help

7. Complete the setup

## Click OK.

When you print, the upper and lower margins are eliminated so that you can save paper.

## Switching the Paper Source to Match the Purpose

This printer has three paper sources: Roll 1, Roll 2, and Cut Sheet. You can facilitate printing by selecting a paper source setting that matches your media type or purpose.

The procedure for setting paper source is as follows:

1. Open the printer driver setup window

### 2. Select the media type

Select the type of paper loaded in the printer from the Media Type list on the Main tab.

### 3. Select the paper source

From the Paper Source list on the Page Setup tab, select the paper source that matches your purpose.

anon Printing Preference	s	×
Main Page Setup Layout Favortes	Ubilty	
	Page Size :	Letter (8.5"x11") ~
<b>1</b>	Bordgress Printin	
	Rt Paper Size	
	C Rt Roll Paper W	
	Scaling	Auto 🗘 % (5 - 600)
Letter (8.5'x11') : 8.50 in x 11.00 in	Printer Paper Size :	Same as Page Size 🛛 🗸
Actual Size Letter (8.5*x11*) ;	Oriegtation	
8.50 in x 11.00 in	A @ Port	rat 🛆 🔿 Landscape
	Rotate Page 90	degrees
	Paper Soyrce :	Roll Paper (Auto)
N N N N N N N N N N N N N N N N N N N	Roll Paper Width :	44 in Roll (1117.6mm) 🗸
1		Roll Paper Options
	Output Methog	Size Options De(auts
	ОК	Cancel Apply Help

### **Roll Paper (Auto)**

Feeds paper by automatically switching between Roll 1 and Roll 2 according to the print job.

### Roll 1

Feeds paper from Roll 1.

#### Roll 2

Feeds paper from Roll 2.

### **Cut Sheet**

Feeds paper using the cut paper.

#### Important

• The paper feed method will differ according to the paper or lower level (roll paper 2) settings, or roll unit option settings.

4. Complete the setup

### Click OK.

When you execute print, the printer uses the specified paper source to print the data.

• If the paper settings in the printer driver differ from the paper information registered on the printer, an error message may appear on the printer's operation panel. You can still print but you may not be able to obtain correct print results.

# **Displaying the Print Results before Printing**

You cannot use this function if you are using the XPS printer driver.

You can display and check the print result before printing.

The procedure for displaying the print result before printing is as follows:

- 1. Open the printer driver setup window
- 2. Set the preview

Check the Preview before printing check box on the Main tab.

Canon Printing Preferences	
Main Page Setup Layout Favorites U	hity
	Media Type : Plain Paper v
	Get Information Specify
Letter (8.5"x11"): 8.50 in x 11.00 in Actual Size Letter (8.5"x11"): 8.50 in x 11.00 in	Easy Settings       V         Print Target :       Print (Color)         Photo (Color)       Photo (Monochrome)         Print Quality :       Standard         Sutable for printing normal documents that contain a moture of
	Leet, photographs and graphics.     V     V     Vew Settings
	Status Monitor About Defaults OK Cancel Apply Help

3. Complete the setup

### Click OK.

When you execute print, theCanon imagePROGRAF Preview opens and displays the print results.

## **Related Topic**

Canon imagePROGRAF Preview

# **Other Convenient Settings**

- Stamp Printing
- **>** Setting a Page Size and Orientation
- Registering a Frequently Used Printing Profile
- Cutting Roll Paper after Printing

# **Stamp Printing**

This feature may be unavailable when certain printer drivers or operating environments are used.

The **Stamp** function allows you to print a stamp text or a bitmap over or behind document data. It also allows you to print date, time and user name.

"CONFIDENTIAL," "IMPORTANT," and other stamps that are used often in companies are pre-registered.

The procedure for printing with a stamp is as follows:

- 1. Open the printer driver setup window
- 2. Select stamp

On the **Layout** tab, select the **Stamp** check box, and then select the stamp to use from the list. The current settings are displayed in the settings preview on the left side of the **Layout** tab.

Canon Printing Preference	
Man Page Setup Léyout Favortes	Utiley Utiley  Page Layout :  Poster (2 x 2)  Set  Set  Starp :  CONFIDENTIAL  Confine Stamp  Confine Stamp  Confine Stamp  Confine Stamp  Confine Stamp  Print from Last Page
	Page Options Special Settings Defaults
	OK Cancel Apply Help

3. Complete the setup

### Click OK.

When you execute print, the data is printed with the specified stamp.

# **Registering a Stamp**

This feature may be unavailable when certain printer drivers or operating environments are used.

You can create and register a new stamp. You can also change and re-register some of the settings of an existing stamp. Unnecessary stamps can be deleted at any time.

The procedure for registering a new stamp is as follows:

## **Registering a New Stamp**

- 1. Open the printer driver setup window
- 2. Select stamp

On the Layout tab, select the Stamp check box, and click Define Stamp....

E Canon Printing Preference	5	×
Main Page Setup Layout Favorites	Ubley	
	Page Layout :	Poster (2 x 2)
-		Set
	Stamp :	CONFIDENTIAL ~
		Define Stamp
Letter (8.5"x11") : 8 50 in x 11.00 in Actual Size	Pring Centered	
Letter (8.5"x11") : 8.50 in x 11.00 in	Sig Botate 180 degr	ees
	📋 🗌 No Spaces at To	op or Bottom
	Copies :	1 (1 - 999)
N		Print from Last Page
1		
	Page Options	Special Settings Defaults
	ОК	Cancel Apply Help

The Define Stamp dialog box opens.

Define Stamp		>
and the second s	Stagge : CONFIDENTIAL *COPY *ORAFT *FILE COPY *FILAL *PRELIMINARY *PROOF	~
		Agd Delete
	Name :	CONFIDENTIAL
Position	Text:	CONFIDENTIAL
E ≚: 0 (.50 - 50)	Eont :	Arial
I ⊥: 0 (-50 - 50)	Style :	Regular 🗸
Move to Center	Sige :	72 🔹 Points (1 - 500)
	Golor :	Medium Gray 🗸
Angle	Dytine AB Circle S que None	are <u></u> Overlap e
		OK Cancel <u>H</u> elp

### 3. Set stamp details

Click Add to add a new stamp (Untitled) to the list.

In **Name**, enter the name of the stamp to register, and in **Text**, enter the character string you want as the stamp.

Change the Font, Size, and Color settings as necessary.

4. Set the other items

Set the following items as necessary.

### Outline

Selects a frame that encloses the stamp text string.

### **Print Style**

Select the stamp print method.

Select **Transparent** to print the stamp on the back of the document, and select **Overlap** to print it on the front.

### Position

Specifies the stamp position on the page.

Enter numbers in **X** and **Y** to set the coordinates, or drag the horizontal and vertical slide bars to the left/right or up/down to change the settings.

### Angle

Set the stamp placement angle.

Enter a number in **Set Angle** to set the angle, or drag the slide bar to the left/right to change the setting.

Set the angle by entering a number in range of -180 to 180.

### Stamp first page only

To print the stamp on the first page only, select this check box.

5. Complete the setup

Click **OK** to return to the **Layout** tab. The registered title appears in the **Stamp** list.

## **Changing and Registering Some of Stamp Settings**

1. Select stamp

On the **Layout** tab, select the **Stamp** check box, and click **Define Stamp...**. The **Define Stamp** dialog box opens.

2. Select the stamp for which the settings are to be changed

From Watermark List, select the title of the stamp you want to change the settings for.

- 3. Configure each setting while viewing the preview
- 4. Complete the setup

Click **OK** to return to the **Layout** tab. The registered title appears in the **Stamp** list.

### >>>> Note

• The stamp registered as the default setting cannot be changed.

## **Deleting an Unnecessary Stamp**

1. Select stamp

On the **Layout** tab, select the **Stamp** check box, and click **Define Stamp...**. The **Define Stamp** dialog box opens.

2. Select the stamp to be deleted

Select the title that you wish to delete from the **Watermark List** and click **Delete**. Click **Yes** when the confirmation message appears.

3. Complete the setup

Click **OK** to return to the **Layout** tab.



• The stamp registered as the default setting cannot be deleted.

# Setting a Page Size and Orientation

The paper size and orientation are essentially determined by the application software. When the page size and orientation set for **Page Size** and **Orientation** on the **Page Setup** tab are same as those set with the application software, you do not need to select them on the **Page Setup** tab.

When you are not able to specify them with the application software, the procedure for selecting a page size and orientation is as follows:

- 1. Open the printer driver setup window
- 2. Select the paper size

Canon Printing Preferences × Main Page Setup Layout Favorites Utility Page Size : Letter (8.5"x11") Borderless Printing Enlarged/Reduced Printing Fit Paper Size O Rt Roll Paper Width Scaling Auto 🗘 % (5 - 600) Letter (8.5'x11') : 8 50 in x 11.00 in 🐴 Printer Paper Size : Same as Page Size Actual Size (8.5"x11" Orientation 8.50 in x 11.00 k A 
 Potrat \Lambda 🔿 Landscape Rotate Page 90 degrees Paper Source : Roll Paper (Auto) Roll Paper Width 44 in Rol (1117.6mm) v Roll Paper Options... Size Options... Output Method. Defaults Cancel Apply Help OK

Select a page size from the Page Size list on the Page Setup tab.

### 3. Set Orientation

Select **Portrait** or **Landscape** for **Orientation**. Check **Rotate Page 90 degrees** check box when you want to perform printing with the original being rotated 90 degrees.

### 4. Complete the setup

### Click OK.

When you execute print, the document will be printed with the selected page size and the orientation.

# **Registering a Frequently Used Printing Profile**

You can register the frequently used printing settings to **Favorites**. Unnecessary printing profiles can be deleted at any time.

The procedure for registering a printing profile is as follows:

## **Registering a Printing Profile**

- 1. Open the printer driver setup window
- 2. Set the necessary items

On the **Main** tab, the **Page Setup** tab, and the **Layout** tab, specify the print settings you want to register.

3. Display **Add** dialog box

On the Favorites tab, click Add....

🖶 Canon Printing Preferen	ces	×
Main Page Setup Layout Favortes	Utiley	
Fagortes :	Settings Details :	
• 🗊 Default Settings	Default Settings     Main     - Media Type : [Plain Paper]     - Print Target : [Default Settings]     - Print Quality : [Standard]     - Color Mode : [Color]     - Thicken Fine Lines : [Off]     Page Setup     - Page Size : [Letter (3.57x117)]     - Printer Paper Size : [Same as Page Size]     - Enloyed/Reduced Printing : [Off]     - Borderless Printing : [Off]	<
		< >
Apply Favorite	Dglete Edg Add	
Application Settings Priority	igport Export	
	OK Cancel Apply Help	

The Add dialog box opens.



4. Register favorite setting

In **Name**, enter the name of the favorite. Set the **Icon** and **Comment** fields as necessary, and then click **OK**.

The name and the icon appear in the **Favorites** list.

To check the settings of the registered favorite, click Settings Details.

### >>>> Note

• To save the settings of the favorite to a file, click Export... on the Favorites tab.

## **Printing Using Favorite Settings**

- 1. Open the printer driver setup window
- 2. Apply favorite

From the **Favorites** list on the **Favorites** tab, select the favorite you want to use. Click **Apply Favorite** to replace the registered print settings.

3. Complete the setup

Click **OK**. When you print, the document is printed with the settings of the registered favorite.

## **Deleting Unnecessary Printing Profile**

1. Select favorite to be deleted

Select the favorite you want to delete from the Favorites list on the Favorites tab.

2. Delete setting

Click **Delete**. When the confirmation message appears, click **OK**. The selected favorite is deleted from the **Favorites** list.

### >>>> Note

- Printing profiles that are registered in the initial settings cannot be deleted.
- The settings of the favorite being applied to the current print settings cannot be deleted. To delete that favorite, select another favorite from the **Favorites** list, click **Apply Favorite** to apply the settings of that other favorite, and then delete the target favorite.

# **Cutting Roll Paper after Printing**

The procedure for cutting roll paper automatically and printing cut guidelines is as follows:

- 1. Open the printer driver setup window
- 2. Select the paper source

For **Paper Source** on the **Page Setup** tab, select the setting that matches your purpose from **Roll Paper** (Auto), Roll 1, and Roll 2.

🖶 Canon Printing Preference	5	×
Main Page Setup Layout Favorites	Ublity	
	Page Size :	Letter (8.5"x11") ~
	Bordgriess Printing	
	Enlarged/Reduced Print     International Content of the Paper Size	ing
	O Ft Rol Paper Wd	th
	Scaling	Auto 🗘 % (5 - 600)
Letter (8.5"x11") : 8.50 in x 11.00 in	Printer Paper Size :	Same as Page Size 🗸 🗸
Actual Size Letter (8.5"x11");	Orientation	
8.50 in x 11.00 in	A Posts	at 🔥 🔿 Landscape
-45-11	Rotate Page 90 d	legrees
	Paper Source :	Roll Paper (Auto) V
N N N N N N N N N N N N N N N N N N N	Roll Paper Width :	44 in Roll (1117.6mm) 🗸
		Roll Paper Options
	Output Methog	Sige Options De(aults
	ОК	Cancel Apply Help

### Important

• The paper feed method will differ according to the paper or lower level (roll paper 2) settings, or roll unit option settings.

#### 3. Display Roll Paper Options dialog box

Click Roll Paper Options to display the Roll Paper Options dialog box.

Roll Paper Options		×
Automatic Cutting :	Yes	~
OK. Cancel	De(ault: He	lp

4. Set auto cut

From Automatic Cutting, select the item that matches your purpose.

The current settings are displayed in the settings preview on the left side of the Page Setup tab.

• Yes

The roll paper is cut automatically after printing.

• No

The roll paper is not cut after printing.

Print Cut Guideline

Cut guidelines are printed for cutting the roll paper manually after printing.

### >>>> Note

• The default setting for automatic cutting is **Yes**.

After completing the setting, click **OK** to return to the **Page Setup** tab.

5. Complete the setup

#### Click OK on the Page Setup tab.

When you print, the roll paper is cut automatically after printing or cut guidelines are printed.

# Printing from Computer (Mac OS)

- Printing with Easy Setup VBasics
  - Changing the Type of Paper
- > Setting the Number of Copies and Printing Order
- Using Roll Unit to Use 2-Level Rolls
  - About 2-Level Roll Switching
  - Setting the Paper Rolls in the Printer According to the Intended Use
  - Printing by Automatically Switching Upper-level and Lower-level Roll Papers
  - How to Switch Paper Rolls
  - Reflect Roll Unit Settings in the Printer Driver

### Changing the Print Quality and Correcting Image Data

- Adjusting Color Balance
- Setting the Print Quality Level (Custom)
- Printing a Color Document in Monochrome
- Adjusting Tone
- Specifying Color Correction
- Adjusting Brightness
- Adjusting Contrast
- Scaled Printing
- Printing to Oversized Paper Sizes
- Setting Paper Dimensions (Custom Size)
- Print Area
- Prints without Edges Based on the Scenarios
  - Printing without Margins to Match Roll Paper Width
  - Printing Full-Size without Margins
- Changing the Clear Coating Settings
- Printing Hanging and Horizontal Banners (Large-Format Printing)

# Printing by Dividing/Joining Documents

- Lining Up and Printing Multiple Documents
- Printing by Connecting Multiple Pages
- Printing Multiple Pages All on One Page
- > Printing Document in Center of Paper

### Printing by Saving Roll Paper

- Saving Roll Paper by Rotating Document 90 Degrees
- Saving Roll Paper by Eliminating Upper and Lower Margins on Document
- Switching the Paper Source to Match the Purpose
- Cutting Roll Paper after Printing
- Printing Using AirPrint

# **Printing from Printer**

Printing from USB Flash Drive

# Printing from USB Flash Drive

- > Printing Data Saved on USB Flash Drive
- **>** Setting Items for Printing Using Operation Panel

# Printing Data Saved on USB Flash Drive

You can print photo data (JPEG file) or document data (PDF file) saved on the USB flash drive easily.

### >>>> Note

- · Restrictions on printable PDF/JPEG files
  - PDF file:

Files which conforms to V 1.7

-Does not support overprint or some of transparent processing.

-Font embedding is recommended. If a font is not embedded, it is replaced with one of the built-in fonts below.

Times-Roman, Helvetica, Courier, Symbol, Times-Bold, Helvetica-Bold, Courier-Bold, ZapfDingbats, Times-Italic, Helvetica-Oblique, Courier-Oblique, Times-BoldItalic, Helvetica-BoldOblique, Courier-BoldOblique

· JPEG file:

Files which conforms to JFIF 1.02

Supports the files with the following conditions.

-Processing method: Basic DCT

-Color mode: RGB/GrayScale

-Number of colors: 24bit/8bit

-Number of pixels: 19200 or less vertically and horizontally

Does not support some samplings

#### 1. Make sure printer is turned on.

#### 2. Load paper.

- Loading Rolls on the Roll Holder
- Loading the Upper Roll on the Printer
- Loading Sheets in the Printer
- 3. Insert USB flash drive into USB flash drive port.



4. Flick HOME screen and tap **Print from USB flash drive**.

Menu Operations



- When the message informing you that the operation restriction is enabled, ask the administrator of the printer you are using.
- If no printable data is saved on the USB flash drive, **There are no files that can be printed.** is displayed on the touch screen.

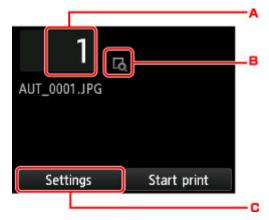
5. Tap folder or data to print on displayed screen.

Tapping a folder displays the data list. Tap the data to print.

### Note

• If no printable data is saved on the folder you tapped, **There are no files that can be printed.** is displayed on the touch screen.

The screen below appears.



A. Number of copies

Tap to display the screen below and specify the number of copies.

	0 (	) 1	×
AUT_0001	1	2	3
	4	5	6
	7	8	9
Setti	0	0	К

B. Preview

Tap to preview an image of the printout on the preview screen.

#### C. Settings

Tap to display the Settings screen.

You can change the print settings.

í	Print settings	
Color	Color	
Print qlty High		
Paper src	Auto select	
Rotate	0 degrees	~
	Ap	ply

For more on the setting items:

Setting Items for Printing Using Operation Panel

6. Tap Start print.

The printer starts printing.

### >>>> Note

- Tapping **Yes** on the displayed screen returns to step 5. Tap a folder or data to print.
- Tapping **No** returns to HOME screen.

# **Setting Items for Printing Using Operation Panel**

You can specify the print settings to print data saved on the USB flash drive.

Í	Print settings			Print settings	
Color	Color	- 1	Print qity	High	
Print qlty	High	-2	Paper src	Auto select	
Paper src	Auto select	- 3	Rotate	0 degrees	
Rotate	0 degrees	$\sim$	Fit paper	ON	
	Apply			Арр	ly

Flick vertically or tap **to display setting items and tap the setting item to display the settings.** Tap to specify the setting.

1. Color

Select color or black and white printing.

2. Print qlty (Print quality)

Select print quality according to the photo.

3. Paper src (Paper source)

Select where to feed paper.

4. Rotate

The image is printed rotated by 90 degrees if you select **90 degrees**.

5. Fit paper

Select whether to print to fit the loaded paper.

6. Tap to specify the print settings.

# **Printing from Smartphone/Tablet**

For more on printing from a device via wireless LAN, refer to the device's or application's instruction manual.

- Connecting Smartphone/Tablet to Printer Directly via Wireless LAN (Direct Connection)
- Printing from iOS Device (AirPrint)

# Connecting Smartphone/Tablet to Printer Directly via Wireless LAN (Direct Connection)

You can connect devices (e.g. smartphone, or tablet) to the printer by two methods below.

- Wireless connection (connecting devices via a wireless router)
- Direct wireless connection (connecting devices using direct connection)

This section describes direct connection, which allows you to print by connecting the devices to the printer directly.

Follow the procedure below to use direct connection.

- 1. Enable direct connection.
- 2. Connect devices to printer.

This section also describes changing direct connection to wireless LAN.

Changing Printer Setting to Use Wireless LAN

### Important

- The administrator password is required to change settings if it is enabled for changing settings using the operation panel.
- If a device has already been connected to the printer via wireless LAN and you want to add a device to connect, connect it to the printer directly. You can connect up to 5 devices to the printer at the same time.
- Check the usage restrictions and switch the printer to the direct connection.

Restrictions

# **Preparing for Connection**

Change settings below to prepare for direct connection.

- Printer's LAN settings
  - Changing Printer Setting
- · Settings of a device to connect
  - Connecting Smartphone/Tablet to Printer

### **Changing Printer Setting**

- 1. Make sure printer is turned on.
- 2. Flick HOME screen and tap

LAN settings.

- Menu Operations
- 3. Tap Activate direct connect..
- 4. Tap Yes.

The identifier (SSID) for direct connection appears.

The device detects the printer by the identifier (SSID).

### Note Note

- If you tap **Details** and tap **Yes**, the following items appear.
  - Security setting
  - Password
  - Printer's name which appears on a Wi-Fi Direct compatible device

The password is required when connecting a device to the printer. Depending on the device you are using, no password is required.

When you connect a Wi-Fi Direct compatible device to the printer, select the device name displayed on the touch screen from your device.

- The identifier (SSID) and the security setting are specified automatically. To update them, see below.
  - Changing Direct Connection Setting
- 5. Tap **OK**.

The direct connection is enabled and a device can be connected to the printer wirelessly.

### **Connecting Smartphone/Tablet to Printer**

1. Turn on wireless communication on your device.

Enable "Wi-Fi" on your device's "Setting" menu.

For more on turning on wireless communication, see your device's instruction manual.

2. Select "DIRECT-XXXX-PRO-2000" ("X" represents alphanumeric characters) from list displayed on device.

#### >>>> Note

If "DIRECT-XXXX-PRO-2000" does not appear on the list, direct connection is not enabled.
 See <u>Changing Printer Setting</u> to enable direct connection.

#### 3. Enter password.

Your device is connected to the printer.

#### Note

• Check the password for the direct connection.

Check by one of the following methods.

- Display on the touch screen.
  - LAN settings
- Print the network settings.

#### Printing Network Settings

- · Depending on the device you are using, entering the password is required to connect a device to the printer via wireless LAN. Enter the password specified for the printer.
- If your Wi-Fi Direct compatible device is set to prioritize using Wi-Fi Direct and it is connecting to the printer, the printer displays a confirmation screen asking if you allow the device to connect to the printer.

Make sure the name on the touch screen is the same as that of your wireless communication device and tap Yes.

### Changing Printer Setting to Use Wireless LAN

Follow the procedure below to change the printer setting to use wireless LAN.

LAN settings. 1. Flick HOME screen and tap

Menu Operations

- 2. Tap Change LAN.
- 3. Tap Activate wireless LAN.

If you do not use the printer over wireless LAN, select Activate wired LAN or Disable LAN.

### Changing Direct Connection Setting

Change the settings for the direct connection following the procedure below.

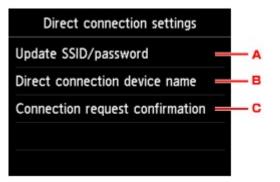
1. Make sure printer is turned on.



(1) LAN settings. 2. Flick HOME screen and tap

Menu Operations

- 3. Tap LAN settings.
- 4. Tap Other settings.
- 5. Tap Direct connection settings.
- 6. Change settings as necessary.



• To update the identifier (SSID) and the password for direct connection

Tap A to display the confirmation screen. To update the identifier (SSID) and the password, tap **Yes**.

To check the security setting and the updated password, tap **Details** and tap **Yes** on the screen displayed next.

• To change the printer's name displayed on the Wi-Fi Direct compatible device

Tap B to display the printer's name (device name) displayed on a Wi-Fi Direct compatible device.

Follow the procedure below to change the name.

- 1. Tap touch screen.
- 2. Enter device name (up to 32 characters).
- 3. Tap **OK** to finish entering device name.
- 4. Tap **OK** to finish specifying device name.
- To change the confirmation screen setting when a Wi-Fi Direct compatible device is connecting to the printer

Tap C to display the confirmation screen. If you want the printer to display the screen to inform you a Wi-Fi direct compatible device is connecting to the printer, tap **Yes**.

### >>>> Important

• To prevent an unauthorized access, we recommend you should not change the setting from the default.

When you finished performing the settings, the printer returns to the **Direct connection settings** screen.

### 7. Touch **HOME** button.

The HOME screen appears.

#### Note

• If you change the direct connection setting of the printer, also change the wireless router setting of the device.

# Windows Software

- Printer Driver
  - Overview of the Printer Driver
  - Printer Driver Description
  - Updating the Printer Driver
- Printing Using Canon Application Software
  - Professional Print & Layout Guide
  - Preview Guide
  - Free Layout Guide
  - Print Plug-In for Office Guide
  - Direct Print & Share Guide
  - Quick Utility Toolbox Guide
  - Print Studio Pro Guide
  - Digital Photo Printing Guide
  - IJ Network Device Setup Utility
  - Media Configuration Tool Guide
  - Device Management Console Guide
  - Accounting Manager Guide

# **Printer Driver**

- > Overview of the Printer Driver
- Printer Driver Description
- > Updating the Printer Driver

# **Overview of the Printer Driver**

- Canon IJ Printer Driver
- > Changing the Print Options
- Canon imagePROGRAF Preview
- > How to Open the Printer Driver Setup Window
- > Updating Media Information in Printer Driver
- Setting Accounting information
- > Deleting the Undesired Print Job
- **Canon IJ Status Monitor**
- > Checking the Ink Status from Your Computer
- Instructions for Use (Printer Driver)

# **Canon IJ Printer Driver**

The Canon IJ printer driver (called printer driver below) is a software that is installed on your computer for printing data with this printer.

The printer driver converts the print data created by your application software into data that your printer can understand, and sends the converted data to the printer.

Because different models support different print data formats, you need a printer driver for the specific model you are using.

# **Printer Driver Types**

You can install the XPS printer driver in addition to the regular printer driver. The XPS printer driver is suited to print from an application software that supports XPS printing.

### Important

• To use the XPS printer driver, the standard printer driver must already be installed on your computer.

### Installing the Printer Driver

- To install the regular printer driver, load the Setup CD-ROM that comes with the printer, and then install the driver from **Start Setup Again**.
- To install the XPS printer driver, load the Setup CD-ROM that comes with the printer, and then select **XPS Driver** from **Add Software**.

# **Specifying the Printer Driver**

To specify the printer driver, open the **Print** dialog box of the application software you are using, and select "XXX" (where "XXX" is your model name) to specify the regular printer driver or select "XXX XPS" (where "XXX" is your model name) to specify the XPS printer driver.

# **Displaying the Manual from the Printer Driver**

To display a description of a tab in the printer driver setup window, click the Help button found on the tab.

### **Related Topic**

How to Open the Printer Driver Setup Window

# **Changing the Print Options**

You can change the detailed printer driver settings for print data that is sent from an application software.

Check this check box if part of the image data is cut off, the paper source during printing differs from the driver settings, or printing fails.

The procedure for changing the print options is as follows:

- 1. Open the printer driver setup window
- 2. Click Special Settings... on the Layout tab

🖶 Canon Printing Preferen	ces	×
Main Page Setup Layout Favorites	Ublity	
	Page Layout :	↓         Poster (2 x 2)         ∨           ≦et
	Stamp :	CONFIDENTIAL ~
		Define Stamp
Letter (8.5'x11'):	Prig Cente     Prig Cente     S     Pig Cente     S     Pig Cente     No Space     Copies :	
<b>بر</b>	Page Options OK	Special Settings Defaults Cancel Apply Help

The Special Settings dialog box opens.

Parameter	Setting:
Spooling at Printer Driver	Auto
FineZoom Settings	Auto
Preview Switching	011
Application Color Matching Priority	On
Fast Graphic Process	On
Disable the color profile setting of the application software	Off
pooling at Printer Driver :	
auto	~

### Note

• When you use the XPS printer driver, the functions available to you are different.

3. Change the individual settings

If necessary, change the setting of each item, and then click **OK**.

The **Layout** tab is displayed again.

# Canon imagePROGRAF Preview

This feature may be unavailable when certain printer drivers or operating environments are used.

The Canon imagePROGRAF Preview is an application software that displays what the print result will look like before a document is actually printed.

The preview reflects the information that is set within the printer driver and allows you to check the document layout, print order, and number of pages. You can also change the media type and paper source settings.

When you want to display a preview before printing, open the <u>printer driver setup window</u>, click the **Main** tab, and check the **Preview before printing** check box.

When you do not want to display a preview before printing, uncheck the check box.

### **Related Topic**

Displaying the Print Results before Printing

# How to Open the Printer Driver Setup Window

You can display the printer driver setup window from the application software in use or from the printer icon.

### **Open the Printer Driver Setup Window through the Application Software**

Follow the procedure below to configure printing profile when printing.

1. Select the command that you perform printing on the application software

In general, select Print on the File menu to open the Print dialog box.

2. Select your model name and click **Preferences** (or **Properties**)

The printer driver setup window appears.



• Depending on application software you use, command names or menu names may vary and there may be more steps. For details, refer to the user's manual of your application software.

### **Opening the Printer Driver Setup Window from the Printer Icon**

Follow the procedure below to perform printer maintenance operations such as print head cleaning, or to configure a printing profile that is common to all application software.

- 1. Select as described below:
  - If you are using Windows 10, right-click the Start menu, and select Control Panel -> Hardware and Sound -> Devices and Printers.
  - If you are using Windows 8.1 or Windows 8, from the Desktop charms, select Settings -> Control Panel -> Hardware and Sound -> Devices and Printers.
  - If you are using Windows 7, select the Start menu -> Devices and Printers.
  - If you are using Windows Vista, select the Start menu -> Control Panel -> Hardware and Sound -> Printers.
- 2. Right-click your model name icon, and then select **Printing preferences** from the displayed menu

The printer driver setup window appears.

### >>>> Important

Opening the printer driver setup window through Printer properties (Windows 10, Windows 8.1, Windows 8, Windows 7) or Properties (Windows Vista) displays such tabs regarding the Windows functions as the Ports (or Advanced) tab. Those tabs do not appear when opening through Printing preferences or application software. For tabs regarding Windows functions, refer to the user's manual for the Windows.

# **Updating Media Information in Printer Driver**

This function gets the latest media information from the printer and updates the media information in the printer driver.

When the media information is updated, the media displayed for **Media Type** on the **Main** tab is updated to the latest information.

The procedure for updating media information is described below.

- 1. Select as described below:
  - If you are using Windows 10, right-click the Start menu, and select Control Panel -> Hardware and Sound -> Devices and Printers.
    - The Devices and Printers window is displayed.
  - If you are using Windows 8.1, Windows 8, Windows Server 2012 R2, or Windows Server 2012, from the Desktop charms, select Settings -> Control Panel -> Hardware and Sound (Hardware) -> Devices and Printers.
    - The Devices and Printers window is displayed.
  - If you are using Windows 7 or Windows Server 2008 R2, select the Start menu -> Control Panel -> Hardware and Sound (Hardware) -> Devices and Printers. The Devices and Printers window is displayed.
  - If you are using Windows Vista or Windows Server 2008, select the Start menu -> Control Panel -> Hardware and Sound -> Printers. The Printers window is displayed.
- 2. Display setup window

Right-click the "Your model name" icon, and select **Printer properties** (in Windows 10, Windows 8.1, Windows 8, or Windows 7) or **Properties** (in Windows Vista). The printer's **Properties** window appears.

3. Update media information

Click **Update Media Information** the **Device Settings** tab. When a confirmation message appears, click **Execute**. If the paper information on the driver cannot be updated, click **Initial Check Items** Items and check the displayed information.

The printer driver media information will update.

### Important

• It may take some time to update the media information.

4. Finish updating media information

When a confirmation message appears, click **OK**. The media information will be updated.

### Important

• Restart the printer driver after updating media information.

• Do not change media information on the printer while you are updating media information on the driver.

### Important

- Ensure that a user with administrative privileges carries out the media information update. Users other than administrators can check if a media information update is required, but cannot carry out the update itself.
- When you have added, deleted, or edited media using administrative tools (the Media Configuration Tool) but have not updated the media information, issues may arise such as the inability to print.

# **Setting Accounting information**

By setting accounting information, you add IDs to print jobs, and use the printer and cost management tool to tabulate print history information for any ID.

The procedure for setting accounting information is described below.

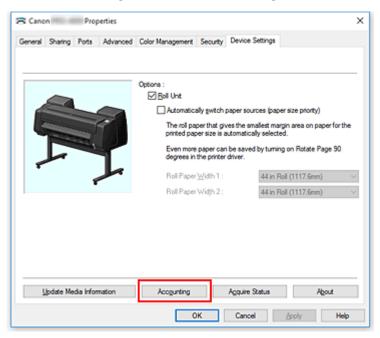
- 1. Select as described below:
  - If you are using Windows 10, right-click the **Start** menu, and select **Control Panel -> Hardware** and **Sound -> Devices and Printers**.
    - The **Devices and Printers** window is displayed.
  - If you are using Windows 8.1, Windows 8, Windows Server 2012 R2, or Windows Server 2012, from the Desktop charms, select Settings -> Control Panel -> Hardware and Sound (Hardware) -> Devices and Printers.

The Devices and Printers window is displayed.

- If you are using Windows 7 or Windows Server 2008 R2, select the Start menu -> Control Panel -> Hardware and Sound (Hardware) -> Devices and Printers. The Devices and Printers window is displayed.
- If you are using Windows Vista or Windows Server 2008, select the Start menu -> Control Panel -> Hardware and Sound -> Printers. The Printers window is displayed.
- 2. Display setup window

Right-click the "Your model name" icon, and select **Printer properties** (in Windows 10, Windows 8.1, Windows 8, or Windows 7) or **Properties** (in Windows Vista). The printer's **Properties** window appears.

### 3. Click Accounting on the Device Settings tab



The Accounting dialog box opens.

Accounting	х
Account ID :	
OK. Cancel Help	

4. If necessary, complete the following settings:

#### Account ID

Enter the account ID to be set. Enter the ID by using up to 20 alphanumeric characters (0 to 9, a to z, and A to Z).

#### **Prohibits Account ID changes**

Prohibits changes to account IDs that have already been set. Check this check box to prevent other users from changing IDs.

5. Apply the settings

Click **OK**. The **Device Settings** tab is displayed again. The settings are enabled hereafter.

### >>>> Note

• Accounting can be set only by users with Administrator rights. Users without Administrator rights may not be able to set Accounting information.

# **Deleting the Undesired Print Job**

If you are using the XPS printer driver, replace "Canon IJ Status Monitor" with "Canon IJ XPS Status Monitor" when reading this information.

If the printer does not start printing, canceled or failed print job data may be remaining. Delete the undesired print job by using the Canon IJ Status Monitor.

- 1. Open the printer driver setup window
- 2. Display the Canon IJ Status Monitor

Click **Status Monitor...** on the **Main** tab. The Canon IJ Status Monitor appears.

3. Display the print jobs

Click **Display Send Queue**. The print queue window opens.

4. Delete the print jobs

Select the print jobs you want to delete, and select **Cancel** from the **Document** menu. When the confirmation message appears, click **Yes**.

The deletion of the print job is complete.

### >>>> Important

• Users who have not been granted access permission for printer management cannot delete the print job of another user.

# **Canon IJ Status Monitor**

The Canon IJ Status Monitor is an application software that shows the status of the printer and the progress of printing. You will know the status of the printer with graphics, icons, and messages.

### Launching the Canon IJ Status Monitor

The Canon IJ Status Monitor launches automatically when print data is sent to the printer. When launched, the Canon IJ Status Monitor appears as a button on the task bar.

# 🗆 🤮 📮 🛱	*	
-----------	---	--

Click the button of the status monitor displayed on the task bar. The Canon IJ Status Monitor appears.

🚭 Canon	1.000 PROBLEMAN		×
Option Remote UI	Help		
Ē	Printing.		< >
Document Name:	test - Notepad		
Owner:	1.0000000000000000000000000000000000000		
Printing Page:	2/2		
Remaining Printing Tim	e of Current Page: Printing will finish soon.		
	Display Send Queue	Cancel <u>Printin</u>	g
Estimated ink	levels		
Estimated Ma	intenance Cartridge Usage		
Paper Feed			

### >>>> Note

- To open the Canon IJ Status Monitor when the printer is not printing, open the <u>printer driver setup</u> <u>window</u> and click **View Printer Status** on the **Page Setup** tab.
- The information displayed on the Canon IJ Status Monitor may differ depending on the country or region where you are using your printer.

# When Errors Occur

If an error occurs (e.g., if the printer runs out of paper or if the ink is low), the Canon IJ Status Monitor displays an error information dialog box.

Canon	
Support Code : 100A Paper out. Media Type : Plain Paper Page Size : Letter (8.5'x11'')	
Check the printer's operation panel.	
User's Manual	
	Cancel Printing

In such cases, take the appropriate action as described.

# Checking the Ink Status from Your Computer

You can check the remaining ink level and the ink tank types for your model.

- 1. Open the printer driver setup window
- 2. Launching the Canon IJ Status Monitor

On the **Main** tab, click **Status Monitor...**. The Canon IJ Status Monitor opens.

🕲 Canon	488 - 1010 - 10	-		х
Option Bema	ote UI Help			
Ē	Printer is online.			< _
Document Nam	e:			
Owner:				
Printing Page:				
Remaining Print	ng Time of Current Page:			
		Display Send Queue	Cancel Prin	ting
● Estimat	ted ink levels			
● Estimat	ed Maintenance Cartridge Usage			
Paper	Feed			

3. Display Estimated ink levels

For **Estimated ink levels**, click (the disclosure triangle) to display an image representation of the ink status.

### >>>> Note

• The information displayed on the Canon IJ Status Monitor may differ depending on the country or region where you are using your printer.

# Instructions for Use (Printer Driver)

This printer driver is subject to the following restrictions. Keep the following points in mind when using the printer driver.

### **Restrictions on the Printer Driver**

- Before installing, log on to Windows as user with administrator rights.
- · Always check the following before installing the software.
  - 1. Quit the application software while it is running.
  - 2. If you are printing a document, abort printing or wait for it to finish.
  - 3. Close all the printer driver's dialog boxes.
- If you can set the number of copies with the application software, set them either with the printer driver or the application software.
- If you can configure enlarging/reducing settings with the application software, set the normal size (100%) in the printer driver, and then configure the magnification factor with the application software.
- Depending on the application software used, it may be possible to print collated copies; however, please do not use this feature when configuring layout printing with the **Page Layout** option in the **Layout** tab.

This may cause incorrect layout.

- When printing enlarged/reduced documents, printed results may come out different due to a discrepancy between the image data resolution and the enlarging/reducing ratio.
- When printing reduced color images, 1-dot wide lines or points may disappear from the color images.
- Depending on the application software, lines drawn at almost horizontal angles may not print correctly. If that should happen, re-draw the line horizontally and print one more time.
- Immediately after installing (or updating) the printer driver, you might not be able to visualize new features in some of the application software.

In all application software provided with printing features, choose Print from the File menu and, after selecting the printer you are using, click the Properties button.

After the Properties dialog box has opened, immediately close it by clicking OK.

- If characters strings specified as stamps have a large number of characters, or if the characters have a large point size, you may not be able to print stamp strings.
- If characters strings specified as stamps contain external characters after F040, you will not be able to print the stamp strings.
- If you update the model name of your printer through the General tab in the printer's Properties, the Favorites settings registered in the printer driver will be disabled.
   In such cases, save the Favorites settings as a file before changing the name of the printer and reload

the saved file after you have updated the printer's name.
Printing at high resolution requires a large amount of memory on your computer. When your computer is low on memory or you are using a large number of application software, the application software may not work correctly. In such cases, re-start Windows and, before resuming printing, close all the applications you are not

using. Also, when the printer is not printing correctly, switch the **Print Quality** setting in the **Main** tab to a lower resolution.

• When using a local connection, if you do not see a check mark next to the **Enable bidirectional support** option in the **Ports** tab in the printer's Properties, it will not be possible to acquire printer and device information correctly.

- If you are you are using your printer with a USB connection, refrain from using standby mode. You can set standby mode through the **Power Options** on the **Control Panel**.
- In case of a large amount of print data, the printer may time-out during printing and you may no longer be able to print.

In such cases, in the **Advanced** tab in the printer's Properties, choose **Spool print documents so program finishes printing faster** and place a check mark next to **Start printing after last page is spooled**.

• Fine lines and gradients may not print correctly.

In such cases, choose Print from the File menu of application software and, after opening from there the property dialog box of the printer driver, follow the procedure below and then run printing.

- 1. In the Main tab, uncheck Preview before printing.
- 2. In the Layout tab, uncheck Page Layout.
- 3. If you are using a 32-bit driver, in the **Layout** tab, click on **Special Settings** to open the **Special Settings** dialog box and turn off **Fast Graphic Process**.
- In case of a large amount of print data, the printer may time-out during printing and you may no longer be able to print.

In such cases, you may be able to print by increasing the time set in Job timeout in the printer's control panel.

- Depending on the application used, if you print using features like enlarging/reducing, layout printing, page borders and so on, some of the data in the resulting printed document, for example graphics, may differ from the source document.
- If you print very large images from your computer when it's running low on memory, you may not be able to print correctly; for example, it may take a very long time to print or parts of the image may end up missing.

In such cases, try printing after following the procedure indicated below.

- $\circ\,$  If you are using a 32-bit driver, open the Layout tab and click Special Settings.
- Turn off Fast Graphic Process.
- Increase your computer memory.
- $\circ\,$  Increase the virtual memory of your operating system.
- Do not change the **Print Processor...** settings in the **Advanced** tab in the printer Properties. If you change them, you will not be able to use the following features correctly.
  - The Free Layout and the Edit Using PosterArtist features of Page Layout in the Layout tab
  - The Canon imagePROGRAF Preview feature
- In the cases described below, you will not be able to use the Free Layout and the Edit Using PosterArtist features of Page Layout in the Layout tab as well as the Canon imagePROGRAF Preview feature.
  - When right-clicking on the printer icon and choosing from See what's printing: Printer -> Pause Printing, or when right-clicking on the printer icon and choosing Pause Printing
  - When right-clicking on the printer icon and choosing from **See what's printing**: **Printer -> Use Printer Offline**, or when right-clicking on the printer icon and choosing **Use Printer Offline**
  - When printing during hours other than those set in **Available from** and **To** in the **Advanced** tab in the printer's Properties
  - When printing with the **Enable advanced printing features** turned off in the **Advanced** tab in the printer's Properties
  - When printing with Print directly to the printer enabled in the Advanced tab in printer's Properties

- When printing after the printing port in the **Ports** tab in the printer's Properties has changed to **FILE:**
- $\circ$  When printing after choosing **Output to file** in the **Print** dialog box in the application software
- If you perform a point-and-print installation, you will not be able to use the Free Layout and the Edit Using PosterArtist features of Page Layout in the Layout tab as well as the Canon imagePROGRAF Preview feature.
- If you print after setting **Free Layout** and **Edit Using PosterArtist**, refrain from printing from other drivers.
- If you combine specific **Print Quality** with large paper sizes, you may not be able to correctly print stamps and borders.
- In the Canon imagePROGRAF Preview, characters and fine lines visualized in the View screen may look differ from printed results. In such cases, try choosing the Layout tab, opening the Special Settings dialog and turning on Preview Switching.
- If you are using a model supporting Automatically switch paper sources (paper size priority) in the Device Settings tab, or if you have chosen Automatically switch paper sources (paper size priority), you may not be able to get the desired printing results.

In such cases, uncheck Automatically switch paper sources (paper size priority).

### **Points to Note About Applications with Restrictions**

- If, in Microsoft Excel, you tick **Collate** and then you print more than one copy, or if you do **Entire workbook** after configuring different settings in each tab, you may not be able to perform layout printing nor to get the intended printing results.
- If you try to print data on a very large-size paper through applications like Adobe Illustrator, you may not be able to print.

In such cases, try printing after following the procedure indicated below.

- Open the Main tab and uncheck Preview before printing.
- If you are using a 32-bit driver, open the **Layout** tab and click **Special Settings**. Turn off **Fast Graphic Process**.
- Increase the virtual memory of your operating system.
- If you are using Adobe Illustrator, turn off/on **Bitmap printing** in the Print dialog box.
- In the cases described below, you will not be able to use the **Free Layout** and the **Edit Using PosterArtist** features of **Page Layout** in the **Layout** tab.
  - When printing from application software which do not allow EMF spooling, like Adobe Photoshop LE, MS Photo Editor, Ace Draw and others.
- When printing from Adobe Photoshop, tone jumps may occur in the gradation of black and white photographs.
- When printing data created with Microsoft Word using **Enlarged/Reduced Printing** or **Borderless Printing**, you may not be able to print correctly.

In such cases, try printing after following the procedure indicated below.

- Open the printer folder from the start menu, right click on the printer icon and select Printing preferences. Launch the application after setting, in the Page Setup tab, Page Size, Enlarged/ Reduced Printing and Borderless Printing.
- $\circ\,$  Open Microsoft Word's  $\mbox{Page setup}$  dialog box and close it by clicking  $\mbox{OK}.$
- After configuring the printer driver, close momentarily the **Print** dialog box without printing. Then, open the printer driver's set up screen once again, close it by clicking **OK**, and run printing.

# **Printer Driver Description**

- Main Tab Description
- Page Setup Tab Description
- Layout Tab Description
- Favorites Tab Description
- Maintenance Tab Description
- Device Settings Tab Description
- **Canon IJ Status Monitor Description**

# Main Tab Description

The **Main** tab allows you to create a basic print setup in accordance with the media type. Unless special printing is required, normal printing can be performed just by setting the items on this tab.

Main Page Setup Layout Favoriter	s Utity	
Letter (8.5'x11'): 850 in x 11 00 in Actual Sco Letter (8.5'x11'): 850 in x 11.00 in	Media Type : Plain Paper	~
	Get Infgmation Specify	
	Easy Settings Print Target :  Print Target :  Photo (Nonochrome) Poster	
	Print Quality : Standard Suitable for printing normal documents that contain a moture of	*
	ted, photographs and graphics.	< >
	Vew Settings	
*	Status Monitor Algout Defaults	1
	OK Cancel Apply H	elp

#### **Settings Preview**

The paper illustration shows how the original will be laid out on a sheet of paper.

You can check an overall image of the layout.

The printer illustration shows how to load paper to match the printer driver settings.

Check whether the printer is set up correctly by looking at the illustration before you start printing.

#### Media Type

Selects a type of printing paper.

Select a media type that matches the paper that is loaded in the printer. This ensures that printing is carried out properly for the specified paper.

#### Get Information...

Opens the Paper Information on Printer dialog box.

You can check the settings on the printer and apply the checked settings to the printer driver.

#### Specify...

Open the **Paper Detailed Settings** dialog box, and specify detailed print settings that match the media type loaded in the printer.

#### Pull-down menu

Switches the Easy Settings and Advanced Settings.

#### Easy Settings

This mode allows you to print by using pre-registered print settings.

#### Print Target

Print settings that are generally used frequently are pre-registered as print purposes. By using a print purpose to print, you can print by using settings that match the document.

#### **Default Settings**

Select this setting to print a general document such as an business documents.

#### Photo (Color)

Select this when printing a color illustration or a photograph.

#### Photo (Monochrome)

Select this when printing an illustration or a photograph in monochrome.

#### Poster

Select this when printing a poster.

#### **Print Quality**

Selects your desired printing quality.

Select one of the following to set the print quality level that is appropriate for the purpose.

# Important

 Depending on the Media Type settings, the same print results may be produced even if the Print Quality is changed.

#### Highest

Prints with quality as the highest priority.

#### High

Gives priority to print quality over printing speed.

#### Standard

Prints with average speed and quality.

#### Custom

Opens the **Custom** dialog box.

Select this when you want to set the printing quality level individually.

#### **View Settings**

Opens the View Settings dialog box.

### **Advanced Settings**

This mode allows you to print by specifying detailed settings that match your purpose.

#### Print Quality

Selects your desired printing quality.

Select one of the following to set the print quality level that is appropriate for the purpose.

### Important

• Depending on the **Media Type** settings, the same print results may be produced even if the **Print Quality** is changed.

#### Highest

Prints with quality as the highest priority.

#### High

Gives priority to print quality over printing speed.

#### Standard

Prints with average speed and quality. The resolution is set to 300dpi.

#### Custom

Opens the <u>Custom dialog box</u>.

Select this when you want to set the printing quality level individually.

# **Color Mode**

Select the color to print.

## Color

Prints with the number of colors in the document.

#### Monochrome

Prints a color document in monochrome.

#### Monochrome (Photo)

This mode is appropriate when printing an image such as a photo in monochrome.

#### **Color Settings**

Opens the Color Settings dialog box.

You can adjust individual color settings such as **Cyan**, **Magenta**, **Yellow**, **Brightness**, and **Contrast** on the **Color Adjustment** tab, and select the **Color Correction** method on the **Matching** tab.

You can also set clear coat settings on the Clear Coating tab.

#### **Thicken Fine Lines**

Prints thin lines thicker for easier viewing.

#### Preview before printing

You can start up the Canon imagePROGRAF Preview, and check what the printing results will be before executing the print.

Check this check box to display a preview before printing.

#### Status Monitor...

Displays the status monitor.

#### About

Opens the **About** dialog box.

You can check information such as the version and copyright of the printer driver.

### Defaults

Restores all the settings you have changed to their default values.

Clicking this button restores all the settings on the current screen to their default values (factory settings).

# Paper Detailed Settings dialog box

# **Drying Time**

Wait time can be set to allow ink to dry. **Between Pages** settings are only enabled for roll paper. **Between Pages** 

The wait time until outputting paper can be set after printing one page. Time is taken before cutting roll paper to allow the ink to dry, so even when **Automatic Cutting** in the **Roll Paper Options** of the **Page Setup** tab is set to **Yes**, page may be dropped into the basket with dried ink.

Setting Items	Content
Printer Default	Settings in printer unit control panel are applied.
None	Page will be output immediately after printing

30sec. / 1min. / 3min. / 5min. /	Page will be output after set amount of time has passed after
10min. / 30min. / 60min.	printing.

## **Between Scans**

The wait time until printing next line can be set after printing one line in page. Set in the event smudging occurs in the page, unevenness occurs in borderless printing, etc., and you would like to avoid this smudging and unevenness.

Setting Items	Content
Printer Default	Settings in printer unit control panel are applied.
None	Next line will be print immediately after first line is print.
1sec. / 3sec. / 5sec. / 7sec. / 9sec.	Next line will be print after the set amount of time has passed after printing one line. * If smudges and/or unevenness occur, please increase time.

# Roll Paper Safety Margin

In order for heavily curling paper to absorb well in platen, length of margin established on edge of paper can be selected.

# Leading Edge Margin

Roll Leading Edge Margin length can be set.

Setting Items	Content
Printer Default	Settings in printer unit control panel are applied.
3mm	Will be print in standard size. * Please select when there are no particular problems with printing.
20mm	Please select when rubbing of the print heads occurs, such as when heavily curling paper is being used.

# Cut Speed

Select auto-cut speed. This can be adjusted when paper cannot be cut precisely with auto-cut.

Setting Items	Content
Printer Default	Settings in printer unit control panel are applied.
Fast	Select when cut is not smooth with <b>Standard</b> settings.
Standard	Select when there are no particular problems with auto-cut.
Slow	If this is selected for paper with adhesive, the cutter will not stick to the adhesive easily and it will slow deterioration of the cutter's capabilities.

# **Unidirectional Printing**

Controls color unevenness and unaligned ruled lines. Please check when printing in one direction.

#### **Calibration Value**

The results can be applied when printing in the event color calibration was set in printer unit. Please select **Use Value** when applying calibration.

#### Mirror

Select whether to print reflected image or not. When box is checked and turned on, text and images will be printed as if reflected in a mirror.

# **Custom dialog box**

Set the quality level, and select the desired print quality.

# Quality

You can use the slider bar to adjust the print quality level.

# Important

• Certain print quality levels cannot be selected depending on the settings of Media Type.

# >>>> Note

• The **Highest**, **High**, or **Standard** print quality modes are linked with the slider bar. Therefore when the slider bar is moved, the corresponding quality and value are displayed on the left. This is the same as when the corresponding radio button is selected for **Print Quality** on the **Main** tab.

# View Settings dialog box

#### **Print Target**

Select the print purpose. The settings of the selected print purpose are displayed in Details.

#### Name

Displays the name of the selected print purpose.

#### Details

Displays the settings of the print purpose that was selected for Print Target.

# **Color Settings dialog box**

# Color Adjustment Tab

This is displayed when **Color** is selected for **Color Mode**.

This tab allows you to adjust the color balance by changing the settings of the **Cyan**, **Magenta**, **Yellow**, **Tone**, **Brightness**, and **Contrast** options.

# Note

• When **Monochrome** or **Monochrome** (Photo) is selected for **Color Mode**, the **Color Adjustment** tab switches to the **Gray Adjustment** tab.

#### Preview

Shows the effect of color adjustment.

The color and brightness change when each item is adjusted.

#### View Color Pattern

Displays a pattern for checking color changes produced by color adjustment. If you want to display the preview image with a color pattern, check this check box.

#### Cyan / Magenta / Yellow

Adjusts the strengths of Cyan, Magenta, and Yellow.

Moving the slider to the right makes a color stronger, and moving the slider to the left makes a color weaker.

You can also directly enter a value linked to the slider. Enter a value in the range from -50 to 50. This adjustment changes the relative amount of ink of each color used, which alters the total color balance of the document. Use your application if you want to change the total color balance significantly. Use the printer driver only if you want to adjust the color balance slightly.

# Important

• When Monochrome or Monochrome (Photo) is selected for Color Mode, the color balance (Cyan, Magenta, and Yellow) cannot be set because the Color Adjustment tab switches to the Gray Adjustment tab.

#### Brightness

Adjusts the brightness of your print. You cannot change the levels of pure white and black. However, the brightness of the colors between white and black can be changed. Colors become darker as you drag the slider toward the right and brighter as you drag the slider toward the left. You can also directly enter brightness values that are linked to the slider bar. Enter a value in the range from -50 to 50.

# Contrast

Adjusts the contrast between light and dark in the image to be printed.

Moving the slider to the right increases the contrast, moving the slider to the left decreases the contrast.

You can also directly enter a value linked to the slider. Enter a value in the range from -50 to 50.

# **Gray Adjustment Tab**

This is displayed when Monochrome is selected for Color Mode.

This tab allows you to adjust the color balance by changing the settings of the **Tone**, **Brightness**, and **Contrast** options.

#### Note

• When Color is selected for Color Mode, the Gray Adjustment tab switches to the Color Adjustment tab.

#### Preview

Shows the effect of color adjustment.

The color and brightness change when each item is adjusted.

#### **View Color Pattern**

Displays a pattern for checking color changes produced by color adjustment.

# Tone

Set the color tones for monochrome printing.

You can also select colors for monochrome color tones from the pull-down menu.

# **Cool Tone**

This item adjusts color tones to cool shades of gray (cool black). When you select this item, a value of -30 is entered for X, and a value of 0 for Y.

# **Black and White**

This item adjusts color tones to neutral shades of gray. When you select this item, a value of 0 is entered for X, and a value of 0 for Y.

# Warm Tone

This item adjusts color tones to warm shades of gray (warm black). When you select this item, a value of 30 is entered for X, and a value of 0 for Y.

# Custom

You can adjust the color tones by using the horizontal and vertical sliders while checking the colors in the center adjustment area.

Adjust the horizontal and vertical sliders by dragging them to the left/right or up/down, respectively.

You can also adjust color tones by clicking or dragging the center adjustment area with the mouse.

You can also directly enter values that are linked to the sliders. When you enter values, set values in the range of -100 to 100 for X, and -50 to 50 for Y.

# Note

• Custom cannot be selected since it is displayed automatically when the adjustment value is directly entered.

# X, Y (Monochromatic adjustment value)

If necessary, you can adjust monochromatic colors manually.

To adjust the color tones, either enter values directly or click the up/down arrows.

You can also adjust the color tones by clicking or dragging the adjustment area with the mouse. The value is also linked to the horizontal and vertical sliders.

When you enter values, set values in the range of -100 to 100 for X, and -50 to 50 for Y. The selected value will be shown in the preview on the left side.

# Important

• This function is not available for certain Media Type settings.

# **Matching Tab**

Allows you to select the method for adjusting colors to match the type of document to be printed.

# **Color Correction**

Allows you to select **Driver Matching**, **ICM**, **ICC Profile Matching**, or **None** to match the purpose of the print operation.

# Important

• When **Monochrome** or **Monochrome** (Photo) is selected for **Color Mode**, the **Matching** tab does not appear.

#### **Driver Matching**

Print with the optimal color using the driver's original color profile. Normally, you should choose this mode.

#### **ICC Profile Matching**

Carry out color matching using the ICC profile. Specify the input profile, printer profile and matching method in detail, and select when printing. You can use the digital camera or scanner ICC profile, or the ICC profile created using the profile creation tool.

#### ICM

Perform color matching on the host computer using the Windows ICM function. Select when printing from an ICM function-compatible application.

### Note

• You cannot use ICM when using an XPS printer driver.

#### None

Print without performing color matching on the printer driver. Select this when performing color matching using applications such as Adobe Photoshop, or printing using a profile creation tool or color chart.

# Important

• When setting not to use ICM in the application software, **ICM** and **ICC Profile Matching** of **Color Correction** do not function. There are also times when it does not print correctly.

# **Input Profile**

Specifies the input profile to be used when you select ICC Profile Matching for Color Correction.

#### **Printer Profile**

Specifies the printer profile to be used when **ICC Profile Matching** is selected for **Color Correction**. Normally **Auto** is selected but you can also select a printer profile manually.

#### **Rendering Intent**

Specifies the matching method to be used when you select **Driver Matching**, **ICM**, or **ICC Profile Matching** for **Color Correction**.

#### Perceptual (Photo) / Perceptual

Reproduces a tint close to the display of the monitor. Select this when you wish to print a photo.

#### Saturation (Poster) / Saturation

Reproduces a tint that people feel to be pleasing. Select this when you wish to print a poster or business document.

#### **Relative Colorimetric**

When image data is converted to the color space of the printer, this method converts the image data so the color reproduction approximates the shared color regions. Select this method to print image data with colors that are close to the original colors.

The white spots are reproduced as white spots (background color) on the paper.

## **Absolute Colorimetric**

This method uses the white spot definitions in the input and output ICC profiles to convert the image data.

Although the color and color balance of the white spots change, you may not be able to get the desired output results because of the profile combination.

# Important

- Depending on the media type, you may obtain the same print results even when you change the **Rendering Intent** setting.
- If Driver Matching is selected for Color Correction, then Relative Colorimetric and Absolute Colorimetric are not displayed.

# **Clear Coating Tab**

Specify Clear Coating settings.

When you execute clear coating, the printer applies chroma optimizer (CO) ink onto the printing surface and allows you to adjust the glossiness.

#### **Clear Coating Area**

Set the clear coating area.

#### Auto

The printer automatically sets the areas to be clear-coated and whether clear coating is to be executed.

It may be possible to reduce the ink consumption of the chroma optimizer (CO) or to accelerate the print speed.

#### Overall

The printer clear-coats the entire print area.

If selecting **Auto** produced unsatisfactory clear coating effects, selecting **Overall** may improve the results.

# Important

• The selection of **Overall** may be disabled depending on the media type and the print quality.

# Page Setup Tab Description

The Page Setup tab allows you to set borderless printing for a document and specify the scaling.

🖶 Canon Printing Preference	5	×
Main Page Setup Layout Favorites	Ubley	
Letter (85'x11'): 850 n x 11 00 in Actual Size Letter (85'x11'): 850 n x 11 00 in	Page Size : Bordgriess Printing Filarged/Reduced Print ® Rt Paper Size Rt Roll Paper Wild Scaling Printer Paper Size : Ortegtation	th Auto 🗘 % (5 - 600) Same as Page Size 🗸 🗸
	O Posta     O Posta     O Posta     O Posta	logrees
N N	Paper Source :	Roll Paper (Auto) V
	Roji Paper Width :	44 in Rol (1117.6mm) V Rol Paper Options
	Output Methog	Sige Options De(auts
	ОК	Cancel Apply Help

#### **Settings Preview**

The paper illustration shows how the original will be laid out on a sheet of paper.

You can check an overall image of the layout.

The printer illustration shows how to load paper to match the printer driver settings.

Check whether the printer is set up correctly by looking at the illustration before you start printing.

#### Page Size

Selects a page size.

Ensure that you select the same page size as you selected within the application.

When you select **Custom Size** from **Custom Paper Size**, the <u>**Custom Size Settings** dialog box</u> appears, and you can specify any vertical and horizontal dimensions for the paper.

#### **Borderless Printing**

Chooses whether you are printing on a full page without any page margins or printing with page margins.

In borderless printing, originals are enlarged to extend slightly off the paper. Thus, printing can be performed without any margins (border).

#### Important

 When Cut Sheet is selected for Paper Source, Borderless Printing is grayed out and cannot be set.

#### **Borderless Setting**

Select **Borderless Printing** to enable it for clicking.

Open the **Borderless Setting** dialog box, so that you can adjust **Amount of Extension**.

#### **Borderless Printing Method**

This appears when you select Borderless Printing.

Set the borderless printing method.

#### **Fit Paper Size**

Enlarge or reduce the document to match the size of the paper to be printed, and then print the document.

# Scale to fit Roll Paper Width

You can enlarge or reduce the document to match the roll paper width and then print the document.

## Print Image with Actual Size

Prints the document at its actual size.

When you select this check box, the **Information** dialog box appears, and you can select **Roll Width**.

# Fit Paper Size

When you select the Fit Paper Size check box, you can specify the setting.

Select the size of the paper to be printed.

The list displays the paper sizes that support borderless printing.

# **Enlarged/Reduced Printing**

You can enlarge or reduce a document and then print it.

When you select **Enlarged/Reduced Printing**, you can then set **Fit Paper Size**, **Scale to fit Roll Paper Width**, or **Print Image with Actual Size**.

# Fit Paper Size

Enlarge/reduce the document to match the size of the paper to be printed, and then print the document.

# Scale to fit Roll Paper Width

You can enlarge/reduce the document to match the roll paper width and then print the document.

## Print Image with Actual Size

Prints the document at its actual size.

When you select this check box, the **Information** dialog box appears, and you can select **Roll Width**.

# Fit Paper Size

When you select the **Fit Paper Size** check box, you can specify the setting. Select the size of the paper to be printed.

# Orientation

Selects the printing orientation.

If the application used to create your document has a similar function, select the same orientation that you selected in that application.

# Portrait

Prints the document so that its top and bottom positions are unchanged relative to the paper feed direction. This is the default setting.

#### Landscape

Prints the document by rotating it 90 degrees relative to the paper feed direction.

## Rotate Page 90 degrees

Rotate the long edge of the document 90 degrees, match it to the width of the roll paper, and then print the document.

When you print a portrait document onto roll paper, you can save paper by rotating the document 90 degrees and print the document horizontally relative to the paper.

### Paper Source

Shows the source from which paper is supplied.

You may be able to switch the paper source with the printer driver.

#### Roll Paper (Auto)

Depending on the paper settings on the printer driver and the paper information registered to the printer, the printer automatically determines which roll paper to use and then feeds that paper.

# Roll 1

Paper is fed from Roll 1.

## Roll 2

Paper is fed from Roll 2.

#### **Cut Sheet**

Feeds paper using the cut paper.

# Important

• Depending on the media type and size, the Paper Source settings that can be selected may differ.

#### **Roll Width**

Select the roll paper width.

Select the width that matches the width of the roll paper loaded in the printer.

#### **Roll Paper Options**

Displays the Roll Paper Options dialog box.

You can specify auto cut, banner printing, and other settings for printing on roll paper.

### Output Method...

Displays the Output Method dialog box.

You can select Output Method and specify save settings for saving documents to a box.

#### Size Options...

Displays the <u>Paper Size Options dialog box</u>. The **Paper Size Options** dialog box allows you to create and register any user-defined paper.

# **Custom Size Settings dialog box**

This dialog box allows you to specify the size (width and height) of the custom paper.

#### **Paper Size**

Specifies the **Width** and the **Height** of the custom paper. Measurement is shown according to the units specified in **Units**.

#### Units

Select the unit for entering a user-defined paper size.

# **Borderless Setting dialog box**

Use **Amount of Extension** to adjust how much of the document extends off the paper during borderless printing.

#### Amount of Extension

Adjusts how much of the document extends off the paper during borderless printing. Moving the slider to the right increases the amount of extension and allows you to perform borderless printing with no problems.

Moving the slider to the left reduces the amount of extension and expands the range of the document to print.

# **Roll Paper Options dialog box**

You can specify settings for printing on roll paper.

#### **Automatic Cutting**

You can print cut guidelines for cutting the roll paper automatically or manually after printing.

# Yes

Cut the roll paper automatically after printing.

#### No

Do not cut the roll paper automatically after printing.

# **Print Cut Guideline**

Prints cut guidelines for cutting the roll paper manual after printing.

#### **Banner Printing**

Select this check box to print documents extending over several pages as one continuous document without any spaces between the pages.

# **Output Method dialog box**

You can select Output Method and specify save settings for saving documents to a box.

#### **Output Method**

#### Print

After print ends, the print job is saved to the printer's hard disk drive.

## Save in Job Box

The print job is saved to the printer's hard disk drive. If you selected **Save in Job Box**, select an individual box number as the save destination from the **Job Box** list.

## Print after reception is complete

If you selected **Print**, you can specify this setting.

By selecting this check box, you can prevent the print quality from dropping if the print job reception is cut off or if printing is interrupted.

#### Name of data to be saved

#### Use file name

The file name is used as-is.

#### Enter name

You can set a new name. Enter the save name in Name.

# Job Box

The box list appears. If you selected **Save in Job Box**, select an individual box number as the save destination from the list.

#### Acquire Job Box Name

When you click this, Job Box displays the box name that was obtained from the printer.

# Paper Size Options dialog box

You can create and register any user-defined paper. You can then select the defined paper size from **Custom Paper Size** of **Page Size**.

## Paper Size List

The names and sizes of the paper sizes that the printer driver can use are displayed.

#### Delete

From Paper Size List, you can delete a user-defined paper that a user created.

# Note

- Paper deletion is not possible in the following case:
  - When a standard paper size of the printer driver is selected
  - When an oversized paper size is selected
  - · When a paper size with a red circle is selected

# Custom Paper Size Name

You can specify the name of a user-defined paper.

#### Units

You can specify the units for the height and width dimensions of the user-defined paper.

# Page Size

You can specify the Width and Height settings of the paper.

# **Borderless Printing Size**

When you select this check box, you can select a size from the paper sizes that support

Borderless Printing.

#### Fix the Ratio of the Width to Height

When you select this check box, you can change the size while keeping the **Width** and **Height** ratio.

# Width

Specify the paper width.

# Height

Specify the paper height.

# **Register with the OS**

Register the set user-defined paper in the OS.

By registering in the OS, any user sharing the use of the printer or PC can use the set user -defined paper.

#### Add

You can register a user-defined paper that was set and overwrite the existing user-defined paper.

#### **Display Series**

You can narrow down the paper sizes to be displayed in Paper Size List.

#### Oversize

Add appropriate margins so that the document contents will not get cut off, and then print the document.

# Layout Tab Description

The **Layout** tab allows you to specify how to arrange the document onto the paper. You can also set the number of copies to be printed and the print sequence. If the application software that you used to create the document features the same functions, specify the settings from the application software.

anon Printing Preference	ж	×
Main Page Setup Layout Favorites	Utility	
	Page Layout :	Poster (2 x 2)
	Stamp :	CONFIDENTIAL ~
Letter (8.5"x11") :		Define Stamp
8.50 in x 11.00 in Actual Size	🔲 🗆 Print Cente	red
Letter (8.5"x11") : 8.50 in x 11.00 in	905 🗌 Botate 180	) degrees
	📋 🗌 No Spaces	s at Top or Bottom
	Copies :	1 0 (1 - 999)
N N		Print from Last Page
	Page Options	Special Settings De(aults
	ОК	Cancel Apply Help

# **Settings Preview**

The paper illustration shows how the original will be laid out on a sheet of paper.

You can check an overall image of the layout.

The printer illustration shows how to load paper to match the printer driver settings.

Check whether the printer is set up correctly by looking at the illustration before you start printing.

# Page Layout

Selects the size of the document you want to print and the type of printing.

# Poster (1 x 2) / Poster (2 x 2)

Poster printing is performed.

The value in parentheses represents the ratio of the vertical x horizontal lengths. As the number of divisions increases, the number of sheets used for printing increases. If you are pasting pages together to create a poster, increasing the number of divisions allows you to create a larger poster.

# Set...

Opens the Pages to Print dialog box.

Specify this setting when you want to print only specific pages

#### Free Layout

You can freely position and print any document created with an application software.

Set...

Opens the Free Layout Settings dialog box.

You can freely specify detailed settings for free layout.

# 2 Pages/Sheet / 4 Pages/Sheet / 6 Pages/Sheet / 8 Pages/Sheet / 9 Pages/Sheet / 16 Pages/Sheet

Multiple pages are assigned to one sheet of paper and printed. The number presents the number of pages assigned to one sheet.

## Set...

Opens the Page Layout Printing dialog box.

You can freely specify detailed settings for assigned printing.

#### Stamp

The **Stamp** function prints a specific character string over the document pages. You can select the characters to be printed from a list or use the **Define Stamp** dialog box to set any characters.

# Define Stamp...

Opens the Define Stamp dialog box.

You can specify detailed stamp settings or register any stamp.

# Print Centered

Prints document in center of paper.

# Rotate 180 degrees

Rotates document 180 degrees and prints it.

# No Spaces at Top or Bottom

When printing on roll paper, you can save paper by eliminating the upper and lower margins when printing.

# Copies

Specifies the number of copies you want to print. You can specify a value from 1 to 999.

# >>>> Important

• If the application used to create your document has a similar function, specify the number of copies with the application without specifying it here.

# Print from Last Page

Check this check box when you want to print from the last page in order. If you do this, you do not need to sort the pages into their correct order after printing.

Uncheck this check box to print your document in normal order, starting from the first page.

# Page Options

Opens the Page Options dialog box.

You specify settings for printing information such as date, user name, and page number.

# **Special Settings**

Opens the Special Settings dialog box.

If you are unable to obtained the desired print results, you can change the print processing method.

# Pages to Print dialog box

When printing a poster that has been divided into several pages, you can specify which pages to print and just print those pages.

Simply clear the check boxes of the pages you do not want to print.

In the setting view, the pages that were unchecked are hidden, and only the pages to be printed are displayed.

#### Invert

Switches the pages to be displayed or hidden.

• The Pages to Print dialog box appears only when Poster (1 x 2) or Poster (2 x 2) is selected for Page Layout.

# Free Layout Settings dialog box

You can specify detailed settings for free layout.

# **Paper Orientation**

Selects the printing orientation.

If the application used to create your document has a similar function, select the same orientation that you selected in that application.

#### Portrait

Prints the document so that its top and bottom positions are unchanged relative to the paper feed direction.

#### Landscape

Prints the document by rotating it 90 degrees relative to the paper feed direction.

#### Roll Paper Length

Sets the roll paper length.

Auto

Automatically determines the roll paper length and prints.

#### **Manual Settings**

Determines and specifies the roll paper length.

#### Page Order

Specifies the document orientation to be printed on a sheet of paper.

# >>>> Note

• The Free Layout Settings dialog box appears only when Free Layout is selected for Page Layout.

# Page Layout Printing dialog box

This dialog box allows you to select the number of document pages to be placed on one sheet of paper, the page order, and whether a page border line is to be printed around each document page. The settings specified in this dialog box can be confirmed in the settings preview on the printer driver.

#### **Preview Icon**

Shows the settings made on the **Page Layout Printing** dialog box.

You can check what the print result will look like before you actually print the data.

# Page Order

Specifies the document orientation to be printed on a sheet of paper.

#### Page Border

Prints a page border line around each document page. Check this check box to print the page border line. • The Page Layout Printing dialog box appears only when 2 Pages/Sheet, 4 Pages/Sheet, 6 Pages/Sheet, 8 Pages/Sheet, 9 Pages/Sheet, or 16 Pages/Sheet is selected for Page Layout.

# Define Stamp dialog box

The **Define Stamp** dialog box allows you to specify settings for printing a stamp over the document pages. In addition to the pre-registered ones, you can register and use your original stamp.

#### Watermark List

This is a list of the pre-registered stamps.

#### Add

Creates an original stamp.

Click this item to set Name, Text, Font, Style, Size, and Color.

#### Name

Enter the stamp name to be registered.

#### Text

Enter the characters to be used in the stamp.

#### Font

Selects the font for the stamp text string.

#### Style

Selects the font style for the stamp text string.

#### Size

Selects the font size for the stamp text string.

#### Color

Select the color of the stamp text string.

#### Delete

Deletes an unnecessary stamp.

Specify the title of an unnecessary stamp from the Watermark List, and click this button.

#### Outline

Selects a frame that encloses the stamp text string.

#### **Print Style**

Select the stamp printing method.

Select **Transparent** to print the stamp on the back of the document, and select **Overlap** to print the stamp on the front.

### Position

Specifies the stamp position on the page.

You can specify values in **X** and **Y** to set the coordinates, or you can drag the horizontal and vertical slide bars to the left/right or up/down to change the coordinates.

#### Move to Center

Moves the stamp to the center of the paper.

# Angle

Set the stamp positioning angle.

You can specify a value in **Set Angle** to set the angle, or you can drag the slide bar left/right to change the angle.

When specifying an angle value, set a value in the range of -180 to 180.

#### Stamp first page only

Select this check box if you want to print a stamp only on the first page.

# Page Options dialog box

Specify the print settings, such as date, user name, and page number.

#### **Print Date**

Select the position for printing the date.

#### **Print Time Also**

Prints the time along with the date.

#### Print User Name

Select the position for printing the user name.

#### Print Page Number

Select the position for printing the page number.

#### **Format Settings**

The Format Settings dialog box opens, and you can set the format.

# Format Settings dialog box

Set the format to be used when printing the contents set in the Page Options dialog box.

#### Font

Select the font type.

#### Style

Select the font style.

#### Size

Select the font size.

#### Color

Select the font color.

# **Special Settings dialog box**

The **Special Settings** dialog box allows you to change the print processing method if you do not get the print results you want.

#### Settings Summaries...

This is a list of items that you can set in the **Special Settings** dialog box. When you click an item that you want to set, the setting contents are displayed outside the box.

## **Spooling at Printer Driver**

Set whether print jobs are to be spooled in the print driver or whether PageComposer processing is to be performed.

Setting Do Not Print or No (EMF Spooling) may improve the print results.

## FineZoom Settings

Use this function to print on long paper.

Yes

The print problem may be corrected.

No

Image distortions may be corrected (for example, small lines may be eliminated).

#### **Preview Switching**

If you check the **Preview before printing** check box on the **Main** tab and then print, PageComposer starts.

# **Application Color Matching Priority**

You can assign higher priority to color management by the application software.

# **Fast Graphic Process**

If image colors or line thicknesses are printed incorrectly, you may be able to get the print results you want by setting this function to off.

# Disable the color profile setting of the application software

If the color profile information set in the application software is output to the printer driver, the printing results may include an unexpected tint. You can resolve the problem in this case by setting **Disable the color profile setting of the application software** to **On**.

# Important

• Even if this is set to **On**, it will only disable some of the color profile information, and it is still possible to print using the color profile.

This should normally be set to **Off** when using.

# **Favorites Tab Description**

The Favorites tab allows you to register frequently used print settings as favorites.

Canon Printing Preferences		×
Main Page Setup Layout Favorites U	hity	
Fagortes :	Settings Details :	
<ul> <li>Default Settings</li> </ul>	Default Settings     Main     Media Type : [Plain Paper]     Print Target : [Default Settings]     Print Qualty : [Standard]     Color Mode : [Color]     Thicken Fine Lines : [Off]     Page Setup     Page Setue : [Letter (8.5%11")]	^
	Printer Paper Size : [Same as Page Size]     Enlarged/Reduced Printing : [Off]     Borderless Printing : [Off] Comment :	*
ED	Automatically selects the best mode for documents that contain a mixture of test, photos, and graphics.	^
Apply Favogte	Dglete Edit Add	×
Application Settings Priorty	bpot Epot	
	OK Cancel Apply He	Þ

#### Favorites

A list of the registered favorite settings appears. The Default Settings are registered in the initial settings.

#### Details

The settings of the favorite that you selected from Favorites appear.

#### Comment

The comment registered to the favorite appears.

#### **Apply Favorite**

You can change the print settings to the settings of the favorite that you selected from the Favorites list.

#### Delete

You can delete favorites that have become unnecessary.

## Edit...

The Edit dialog box opens.

You can change the name and icon settings of the favorite that you selected from the Favorites list.

#### Add...

The Add dialog box opens.

You can register the current settings as a favorite.

#### **Application Settings Priority**

The setting in the application software will take priority over the favorites setting set on the printer driver. The setting in the application software is only prioritized for **Page Size**, **Orientation** and **Copies**. Place a checkmark to prioritize the settings for the application software.

#### Import...

You can read the settings of the favorite that was saved to a file.

# Export...

You can save the settings of a favorite to a file.

# Edit dialog box

You can change the name and icon of the favorite that you selected from the Favorites list.

# Name

Changes name to be displayed in Favorites list.

# lcon

Changes icon to be displayed in Favorites list.

# Comment

Changes information to be displayed in **Comment**.

# Add dialog box

You can save the current print settings as the settings of a favorite.

#### Name

Set the name to be displayed in Favorites list.

### lcon

Set the icon to be displayed in Favorites list.

#### Comment

Enter information to be displayed in Comment.

# **Maintenance Tab Description**

The Maintenance tab allows you to perform printer maintenance or change the settings of the printer.

Canon Printing Preferences	×
Main Page Setup Layout Favorites Utility	
Park Nozzle Check Pattem Prints the pattern for checking if the ejection pots (nozzles) are clogged. Pager Feed Amount Adjustment Adjusts the paper feed amount to correct smudges and streaks in the print results.	
Print Head Qearning Corrects clogging of the ink ejection ports (nozzles) if there is enough ink but the printouts are smudged or a specific color ink is not ejected.	
Settings Summaries	
OK Cancel ¿pply Help	

# **Print Nozzle Check Pattern**

Prints a nozzle check pattern.

Perform this function if printing becomes faint or a specific color fails to print. Print a nozzle check pattern, and check whether the print head is working properly.

If the print result for a specific color is fainted, or if there are any unprinted sections, use **Print Head Cleaning** to clean the print head.

#### Paper Source

Displayed using the **Media Type**, **Page Size** and **Roll Width** for each currently set paper feed position.



# Print Head Cleaning

Performs print head cleaning.

Print head cleaning removes any blockage in the print head nozzles.

Perform cleaning when printing becomes faint, or a specific color fails to print, even though all ink levels are sufficiently high.

There are two head cleaning functions, which are described below.

#### Cleaning

Perform cleaning when printing becomes faint, or a specific color fails to print, even though all ink levels are sufficiently high.

#### **System Cleaning**

**System Cleaning** is a more powerful cleaning function. Execute this function if the condition does not improve even after you repeat **Cleaning** several times.



• **System Cleaning** consumes an extremely large amount of ink. Executing system cleaning frequently will rapidly deplete your printer's ink supply. Therefore, execute system cleaning only when necessary.



# Paper Feed Amount Adjustment

This function adjusts the paper feed amount if the print result is faint or contains streaks.



# View Status

This function displays printer information and setting values.

# **Related Topics**

- Cleaning the Print Heads
- Printing a Nozzle Check Pattern

# **Device Settings Tab Description**

Many of the tabs in the Properties windows of the printer are controlled by Windows. However, the **Device Settings** tab is for specifying printer configuration-related settings and is part of the printer driver. The **Device Settings** tab allows you to specify settings related to the printer unit.

Cano	n Pr	roperties			×
General	Sharing Ports	s Advanced	Color Management Security	Device Settings	
			Options :		
			Boll Unit		
			Automatically gwitch	paper sources (paper size p	riority)
				ives the smallest margin area automatically selected.	on paper for the
-			Even more paper or degrees in the printe	n be saved by turning on Ro r driver.	tate Page 90
•			Roll Paper <u>W</u> idth 1	44 in Roll (111	7.6mm) ~
		•	Roll Paper Width 2	44 in Roll (111	7.6mm) 🗸
	lodate Media in	formation	Accounting	Acquire Status	About
			OK	Cancel Apply	Help

#### Roll Unit

There will be a checkmark here if the lower level roll unit is attached.

# Note

• Where the roll unit set in the winding device is attached, this checkmark will be removed.

#### Automatically switch paper sources (paper size priority)

Prints after automatically switching between roll paper 1 and roll paper 2 depending on the size of the paper to be printed.

This will save paper as the roll paper that will give the smallest margin when printing is automatically selected.

#### Important

- Make sure that the same type of paper is used in the upper level and lower level of the printer. Printing is not possible when different types of paper are used.
- Be sure to click **Acquire Status** from the **Device Settings** tab to get information on the roll paper width. You may not be able to print correctly if the roll paper width is not correctly set.
- Be sure to select Roll Paper (Auto) as Paper Source from Page Setup. This function cannot be used unless Roll Paper (Auto) is selected.

#### **Roll Paper Width 1**

Sets the width of the roll paper loaded in the upper level (Roll 1).

#### **Roll Paper Width 2**

Sets the width of the roll paper loaded in the lower level (Roll 2).

# **Update Media Information**

Opens the Update Media Information dialog box.

Gets the latest media information from the printer and updates the media information in the printer driver.

#### Accounting

Opens the Accounting dialog box.

By setting **Accounting** information, you add IDs to print jobs, and use the printer and cost management tool to tabulate print history information for any ID.

# >>>> Note

• Accounting can be set only by users with Administrator rights. Users without Administrator rights may not be able to set Accounting information.

# Acquire Status

Acquire information on the attachment of the roll paper unit or roll paper 1 or roll paper 2 paper width from the printer.

Based on this information, the **Roll Unit** and **Automatically switch paper sources (paper size priority)**, and roll width settings are automatically switched.

#### About

Allows you to check the version of the printer unit.

# Accounting dialog box

Click **Accounting** to display the **Accounting** dialog box.

The **Accounting** dialog box allows you to add IDs to print jobs. You can then use the IDs, along with the printer and cost management tool, to tabulate print history information.

#### Account ID

Enter the account ID to be set. Enter the ID by using up to 20 alphanumeric characters (0 to 9, a to z, and A to Z).

#### **Prohibits Account ID changes**

Prohibits changes to account IDs that have already been set. Check this check box to prevent other users from changing IDs.

# **Canon IJ Status Monitor Description**

The Canon IJ Status Monitor displays the status of the printer and the printing progress. The monitor uses graphics, icons, and messages to let you know the printer status.

🚱 Canon	E 1.000/000 annual	х
Option Bemote U	Help	
Ē	Printing.	< >
Document Name:	test - Notepad	
Owner:	1.000071000	
Printing Page:	2/2	
	me of Current Page: Printing will finish soon.	
		ng
	me of Current Page: Printing will finish soon. Display Send Queue Cancel Print	ng
Remaining Printing T	me of Current Page: Printing will finish soon. Display Send Queue Cancel Print	ng

# **Canon IJ Status Monitor Features**

The Canon IJ Status Monitor offers the following advantages:

#### You can check the status of the printer on the screen.

The status of the printer is shown on the screen in real time.

You can check the printing progress of each printing document (print job).

#### Error types and solutions are shown on the screen.

Shown when a printer error occurs.

You can immediately check how to respond.

#### You can check the ink status.

This function displays graphics showing the ink tank type and the estimated ink levels. Icons and messages are displayed when ink is running low (ink level warning).

# **Canon IJ Status Monitor Overview**

Canon IJ Status Monitor allows you to check the status of the printer and ink with graphics and messages. You can check the information on the printing document and the printing progress during printing. When a printer error occurs, it shows the cause and solution. Follow the instruction in the message.

#### Printer

Canon IJ Status Monitor shows an icon when a warning or error occurs to the printer.



**!** : A warning is being displayed.



S : An operation error has occurred.

i) : You are being informed of remaining ink levels, etc.

: There has been an error which requires a service.

#### **Document Name**

Shows the name of the document to be printed.

#### Owner

Shows the owner's name of the document to be printed.

#### **Printing Page**

Shows the number of printing page and total printing pages.

#### **Remaining Printing Time of Current Page**

Displays the remaining print time of the pages being printed.

## **Display Send Queue**

Shows the print window used to manage the print job that is being printed or being in the print queue.

#### **Cancel Printing**

Cancels the current print job.

#### **Estimated ink levels**

Displays icons to report a remaining ink level warning and an ink depletion error.

Click (the disclosure triangle) to display a pictorial representation of the estimated ink level in the ink tank.

#### **Purchase Ink**

A screen for purchasing ink appears. You can use this screen to purchase ink.

#### Ink Model Number

You can look up the correct ink tank for your printer.

#### Estimated Maintenance Cartridge Usage

Displays icons to report that the available space in the maintenance cartridge is low or the cartridge is full.

Click (the disclosure triangle) to display a pictorial representation of the estimated space available in the maintenance cartridge.

#### Paper Feed

Displays the size and type of paper loaded in each feeder. It also allows you to check the remaining amount of paper.

#### **Option Menu**

If you select **Enable Status Monitor**, when a printer related message is generated the Canon IJ Status Monitor starts.

When Enable Status Monitor is selected, following commands are available.

#### Always Display Current Job

Displays the Canon IJ Status Monitor during printing.

#### **Always Display on Top**

Displays the Canon IJ Status Monitor in front of other windows.

#### **Display Warning Automatically**

#### When a Low Ink Warning Occurs

Starts the Canon IJ Status Monitor window automatically and displays it in front of the other windows when a low ink warning occurs.

#### When a Maintenance Cartridge Warning Occurs

When a maintenance cartridge remaining space warning occurs, the Canon IJ status monitor starts automatically and appears in front of all other windows.

#### **Other Warnings**

When any other warning occurs, the Canon IJ Status Monitor will open automatically and be displayed in front of other windows.

#### Start when Windows is Started

Starts the Canon IJ Status Monitor automatically when you start Windows.

#### Remote UI menu

You are able to open the printer's Remote User Interface.

You are able to check the printer status and run maintenance functions on the printer when connected to and using it through a network.

# Difference Note

• When the printer is being used via USB connection Remote UI will not display.

#### **Printer Information**

Allows you check detailed information, such as the printer status, the print progress, and remaining ink levels.

#### Maintenance

Allows you to run printer maintenance and change printer settings.

# Job Log

Displays the Job History window.

#### Job List

Displays the Print Job window.

#### **HDD** Information

Displays the Saved Job window.

This window allows you to check each box of the information saved on the printer's hard disk.

#### Ink Supplier Display Settings

Displays the Ink Supplier Information window.

#### **Download Security Certificate**

Displays the For secure communication window.

This window allows you to download the root certificate, register it to the browser, and disable warning displays.

#### Help Menu

When you select this menu item, the Help window for Canon IJ Status Monitor is displayed, and you can check the version and copyright information.

# Updating the Printer Driver

- Obtaining the Latest Printer Driver
- > Deleting the Unnecessary Printer Driver
- **Before Installing the Printer Driver**
- Installing the Printer Driver

# **Obtaining the Latest Printer Driver**

By updating the printer driver to the latest version of the printer driver, unresolved problems may be solved.

You can check the version of the printer driver by clicking the About button on the Main tab.

You can access our website and download the latest printer driver for your model.

# >>>> Important

- You can download the printer driver for free, but any Internet access charges incurred are your responsibility.
- Before installing the latest printer driver, <u>delete the previously installed version</u>.

# **Related Topics**

- Before Installing the Printer Driver
- Installing the Printer Driver

# **Deleting the Unnecessary Printer Driver**

The printer driver which you no longer use can be deleted. When deleting the printer driver, first exit all programs that are running.

The procedure to delete the unnecessary printer driver is as follows:

- 1. Start the uninstaller
  - If you are using Windows 10, right-click the **Start** menu, and select **Control Panel** -> **Programs** -> **Uninstall a program**.

From the program list, select "XXX Printer Driver" (where "XXX" is your model name) and then click **Uninstall**.

- If you are using Windows 8.1 or Windows 8, from the Desktop charms, select Settings -> Control Panel -> Programs -> Programs and Features.
   From the program list, select "XXX Printer Driver" (where "XXX" is your model name) and then click Uninstall.
- If you are using Windows 7 or Windows Vista, select Start menu -> Control Panel -> Programs -> Programs and Features.

From the program list, select "XXX Printer Driver" (where "XXX" is your model name) and then click **Uninstall**.

The confirmation window for uninstalling the model appears.

# Important

- A confirmation/warning dialog box may appear when starting, installing or uninstalling software. This dialog box appears when administrative rights are required to perform a task. When you are logged on to an administrator account, click **Yes** (or **Continue**, **Allow**) to continue. Some applications require an administrator account to continue. In such cases, switch to an administrator account, and restart the operation from the beginning.
- 2. Execute the uninstaller

Click **Execute**. When the confirmation message appears, click **Yes**. When all the files have been deleted, click **Complete**.

The deletion of the printer driver is complete.

# Important

• Printer driver and XPS printer driver will be deleted when you uninstall the Printer Driver.

# **Before Installing the Printer Driver**

This section describes the items that you should check before installing the printer driver. You should also refer to this section if the printer driver cannot be installed.

# **Checking the Printer Status**

• Turn off the printer.

# **Checking the Personal Computer Settings**

- Terminate all running applications.
- Log on as a user who has the administrator account.

# Important

• Before installing the latest printer driver, <u>delete the previously installed version</u>.

# **Related Topics**

- Obtaining the Latest Printer Driver
- Installing the Printer Driver

# Installing the Printer Driver

You can access our web site through the Internet and download the latest printer driver and XPS printer driver for your model.

The procedure for installing the downloaded printer driver is as follows:

- 1. Turn off the printer
- 2. Start the installer

Double-click the icon of the downloaded file. The installation program starts.

# Important

# A confirmation/warning dialog box may appear when starting, installing or uninstalling software. This dialog box appears when administrative rights are required to perform a task. When you are logged on to an administrator account, click **Yes** (or **Continue**, **Allow**) to continue. Some applications require an administrator account to continue. In such cases, switch to an administrator account, and restart the operation from the beginning.

3. Install the printer driver

Take the appropriate action as described on the screen.

4. Complete the installation

#### Click Complete.

Depending on the environment you are using, a message prompting you to restart the computer may be displayed. To complete the installation properly, restart the computer.

# >>>> Important

- You can install the XPS printer driver with the same procedure for installing the printer driver. However, when installing the XPS printer driver, first complete installation of the printer driver.
- You can download the printer driver and XPS printer driver for free, but any Internet access charges incurred are your responsibility.
- Before installing the latest printer driver, delete the previously installed version.

# **Related Topics**

- Obtaining the Latest Printer Driver
- Deleting the Unnecessary Printer Driver
- Before Installing the Printer Driver

# Mac OS Software

- Printer Driver
  - Overview of the Printer Driver
  - Description of Print Dialog
  - Updating the Printer Driver
- Printing Using Canon Application Software
  - Professional Print & Layout Guide
  - Preview Guide
  - Free Layout Guide
  - Quick Utility Toolbox Guide
  - Print Studio Pro Guide
  - Digital Photo Printing Guide
  - Media Configuration Tool Guide
  - Device Management Console Guide
  - Accounting Manager Guide

# **Managing Print Jobs**

- Checking Print Job Information
- > Accounting Manager Guide
- Basic Print Job Operations
  - Using Printer Hard Disk
  - Saving Print Jobs on Printer Hard Disk
  - Managing Job Queue (Deleting or Preempting Other Jobs)
  - Managing Pending Jobs (Printing or Deleting Jobs on Hold)
  - Printing Saved Jobs
  - Deleting Saved Jobs
  - Moving Saved Jobs

# Advanced Print Job Operations

- Saving Print Jobs Sent from Sources Other than Printer Driver
- Printing without Saving Jobs in Common Box
- Setting Passwords for Personal Boxes
- Naming Personal Boxes
- Displaying List of Saved Jobs
- Printing List of Saved Jobs
- Displaying Details of Saved Jobs
- Renaming Saved Jobs
- Printer Hard Disk Operations
- Checking Free Hard Disk Space

# **Checking Print Job Information**

Check print job details or print a specified job on the printer's hard disk using a web browser or operation panel.

# • Using web browser:

Log in to the printer using web browser.

Changing Settings Using Web Browser

After logging on to the printer, select Job management and perform operations.

• Using operation panel:

Select Job management on the HOME screen and perform operations.

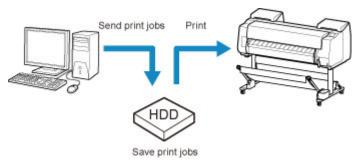
# **Basic Print Job Operations**

- Using Printer Hard Disk
- Saving Print Jobs on Printer Hard Disk
- Managing Job Queue (Deleting or Preempting Other Jobs)
- Managing Pending Jobs (Printing or Deleting Jobs on Hold)
- Printing Saved Jobs
- Deleting Saved Jobs
- Moving Saved Jobs

# **Using Printer Hard Disk**

The printer can save print jobs on the built-in hard disk.

Using print jobs stored on the printer enables you to print the jobs again as needed without using a computer.



Saving print jobs offers the following benefits.

### Save the time spent using a computer

When you send a print job to the printer, you can save it on the printer after printing or simply save it on the printer without printing it yet. Saved print jobs can be printed in the required quantity later without the need to use a computer again.

#### Simplify reprinting, if any errors occur

If errors occur in the middle of printing (as when paper runs out), you can resume printing after clearing the error without resending the print job from a computer.

### Streamline printing work

Without using a computer, you can select print jobs and print in the desired quantity. You can also select multiple print jobs to print during the same period. This enables unattended operation at night, for example.

## **Output Method**

To save print jobs on the printer's hard disk, configure the printer driver.

In Windows, this is set using the Output Method dialog box.

In Mac OS, this is set by selecting **Additional Settings** in the pop-up menu of the printer properties dialog.

### Print

Perform printing while saving the print job on the temporary storage area of the printer's hard disk.

### Save in Job Box

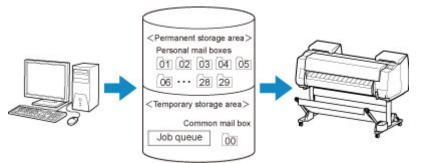
Save print jobs on the permanent storage area of the printer's hard disk. Selecting this does not start printing.

#### Print after reception is complete

This option is available in combination with **Print**. You can prevent degradation of print quality that occurs when receiving a print job is interrupted and printing is aborted in the middle.

## **Storage Destination**

The storage area on the printer's hard disk is divided into a temporary storage area and a permanent storage area. The temporary storage area stores print jobs in the job queue or shared mailbox. The permanent storage area stores jobs in personal boxes.



#### Job queue

The job queue refers to print jobs that are being processed by the printer (saved, received, prepared for processing, printed, deleted, or held). Up to 100 jobs can be stored in the temporary storage area.

However, the number of jobs available as queued jobs is up to 64.

#### Shared mailbox

Jobs for which you have specified **Print** in **Output Method** are saved in the shared mailbox and classified as saved jobs.

There is one shared mailbox, numbered "00". A password cannot be set for the shared mailbox.

Up to 100 print jobs can be saved here. However, they will be deleted one after another starting with the oldest job in the following situations.

- If there are over 101 jobs queued and saved in the shared mailbox combined
- If no more temporary storage space is available when jobs for which you have selected **Print** in **Output Method** are received
- If there is not enough space in the temporary or permanent storage area when jobs for which you have selected **Save in Job Box** in **Output Method** are received.

#### Personal boxes

Jobs are classified as saved jobs and saved in personal boxes in the following situations.

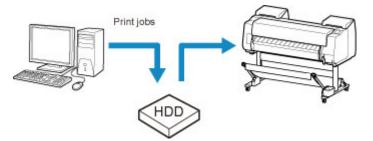
- · When a saved job stored in the shared mailbox is moved to a personal box
- When you have selected Save in mail box as the option in Output Method

There are 29 personal boxes, numbered "01" to "29". You can specify a name and password for each personal box.

Up to 100 print jobs can be saved in all personal boxes combined.

# Saving Print Jobs on Printer Hard Disk

To save print jobs on the printer's hard disk, configure the printer driver.



## **Configuring Printer Driver (Windows)**

1. Open printer properties dialog box.

How to Open the Printer Driver Setup Window

2. Access Page Setup sheet.

Printing Preferences           Name         Page Setup         Jayout         Favorites	s Utility	
	Page Size :	A4 ~
A4:	Borderless Pints Borderless Pints Enlarged/Reduced Pi Fit Paper Size Fit Roll Paper W Scaling	Adth Auto 🔹 % (5 - 600)
8.27 in x 11.69 in Actual Size A4 : 8.27 in x 11.69 in	Orientation	nfrait 🚺 🗋 Landscape
	Paper Source :	Roll Paper (Auto)
	Roll Paper Width :	17 in Roll (431.8mm) ~ Roll Paper Options
r	Output Method	Size Options Defaults
		OK Cancel Help

3. Click Output Method to display Output Method dialog box.

utput Method			)
Dutput Method			
Print			
◯ Save in	Лов Воя		
Print after	a reception is complete		
Name of data to be	saved		
🖲 Use file	name		
O Enter na	me		
Nam	10		
ob Box :			
Job Box Number	Job Box Name		^
01			
02			
03			
04			
05 06			
			~
<			>
		Acquire Job	Box Name
OK	Cancel D	elaults	Help

4. Make your selection in **Output Method**.

#### Print

Perform printing while saving the print job on the temporary storage area of the printer's hard disk.

#### Save in Job Box

Save print jobs on the permanent storage area of the printer's hard disk. Selecting this does not start printing.

If you choose Save in Job Box, also specify the destination personal box in the Job Box list.

#### Print after reception is complete

This option is available in combination with **Print**. You can prevent degradation of print quality that occurs when receiving a print job is interrupted and printing is aborted in the middle.

#### >>>> Note

• Click **Acquire Job Box Name** to display personal box names in the **Job Box** list, as acquired from the printer.

5. In Name of data to be saved, specify how to name saved print jobs.

To use the file name, select Use file name.

Otherwise select Enter name and enter a name in Name.

6. Click OK to close Output Method dialog box.

## **Configuring Printer Driver (Mac OS)**

- 1. Open printer properties dialog.
  - How to Open the Printer Driver Setup Window

2. Select Additional Settings in pop-up menu.

 Printer: Canon
Presets: Default Settings
Copies: 1
Pages: O All
From: 1 to: 1
Paper Size: A4 210 by 297 mm
Orientation:
Additional Settings
Output Method: <b>O</b> Print
Save in Job Box
Document Title: teatprint
Job Box No.: 1
Print after reception is complete

3. Make your selection in **Output Method**.

Address of the second s	Printer: Canon
	Presets: Default Settings
	Copies:
	Pages: O All
	O From: 1 to: 1
	Paper Size: A4 210 by 297 mm
	Orientation:
	Additional Settings 0
	Output Method: OPrint
	Save in Job Box
(< < 1ol1 (> >>)	Document Title: testprint
	Job Box No.: 1
	Print after reception is complete

#### Print

Perform printing while saving the print job on the temporary storage area of the printer's hard disk.

#### Save in Job Box

Save print jobs on the permanent storage area of the printer's hard disk. Selecting this does not start printing.

If you select Save in Job Box, select the personal box number from Job Box No..

#### Print after reception is complete

This option is available in combination with **Print**. You can prevent degradation of print quality that occurs when receiving a print job is interrupted and printing is aborted in the middle.

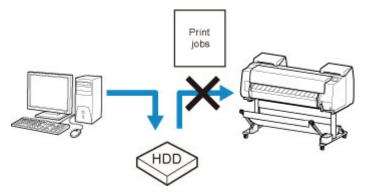
# Managing Job Queue (Deleting or Preempting Other Jobs)

Print jobs being processed by the printer are collectively called the job queue. You can delete or preempt jobs in the job queue as needed.

This operation is available using the operation panel or Remote UI.

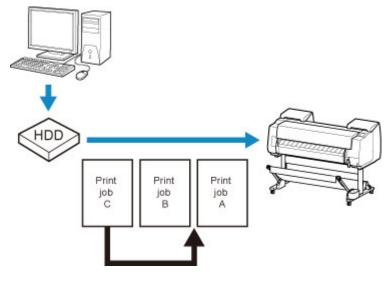
- Using Operation Panel
- Using Remote UI
- Delete

Note that only jobs that are not currently being deleted can be deleted from the job queue.



#### Preempting other jobs

You can preempt other jobs by printing jobs that are currently being received for processing first.



#### >>>> Note

• For information on managing jobs being held, see <u>Managing Pending Jobs (Printing or Deleting Jobs on</u> <u>Hold</u>).

## **Using Operation Panel**

1. Make sure printer is turned on.

2. Flick HOME screen and tap **Job management**.

Menu Operations

- 3. Tap **Print job**.
- 4. Tap data to delete or perform preempt printing.

The screen below appears.



- A. Tap to delete data.
- B. Tap to perform preempt printing.
- 5. Check message that is displayed and tap **Yes**.

## **Using Remote UI**

- 1. Display printer status on web browser.
- 2. On Menu page, select Job management.
- 3. Select Print job.

The print job list appears.

4. Select print job and select **Delete** or **Prioritize**.

ř			Administrator mode Log
Menu	<	Print job	
Printer status	Document name		
Utilities	[		job name 15
Device settings			
Job management	User name		job owner 15
Security	Status		
System info and LAN settings	Madia hone		
anguage selection	Media type		Matte
Manual (Online)	Page size		Tomplete
			Template Legal
	Paper source		Poll paper 2
		Delete Prioritize	

# Managing Pending Jobs (Printing or Deleting Jobs on Hold)

If the type or size of paper loaded does not match the settings in the print job received when you have set **Detect paper setting mismatch** to **Hold job** in the operation panel, the print job is held on the printer as a pending job in the job queue.

Manage held jobs such as these as follows.

This operation is available using the operation panel or Remote UI.

### >>>> Note

- As long as you do not manage held jobs from the operation panel, they will remain in the job queue. In this case, the printer processes the next job in the queue without pausing.
- To print held jobs, replace the loaded paper with the paper specified in the print job.
  - Loading the Upper Roll on the Printer
  - Loading Sheets in the Printer
- Using Operation Panel
- Using Remote UI

## **Using Operation Panel**

1. Make sure printer is turned on.



icon on left.

Menu Operations

3. Tap Print job.

The print job list appears.

4. Tap print job with

The screen below appears.



A. Tap to delete data.

- B. Tap to release hold.
- 5. Check message that is displayed and tap **Yes**.

# **Using Remote UI**

- 1. Display printer status on web browser.
- 2. On Menu page, select Job management.
- 3. Select Print job.

The print job list appears.

4. Select print job with

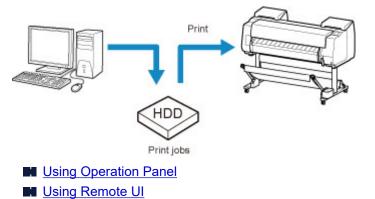
icon on left and select Delete or Release.

		Administrator mode	Log of
<	Print job		
Document name		ich come 19	
		jou name 16	
- User name		job owner 18	
Status		Holding	
Madia hima		Holding	
media type		Matte	
Page size		Template 11"x17" 28x43cm	
Paper source		Manual	
	Delete Re		
	Document name User name Status Media type Page size Paper source	Document name User name Status Media type Page size Paper source	< Print job Document name job name 18 User name job owner 18 Status Holding Media type Matte Page size Template 11"x17" 28x43cm Paper source Manual

# **Printing Saved Jobs**

Print saved print jobs stored on the printer's hard disk as follows.

This operation is available using the operation panel or Remote UI.



# Using Operation Panel

- 1. Make sure printer is turned on.
- 2. Flick HOME screen and tap **Job management**.
  - Menu Operations
- 3. Tap Saved job.

The Job box list screen appears.

4. Tap box.

## Note

- Enter the password if it is enabled.
- 5. Tap Job list.
- 6. Tap job to print.
- 7. Tap Start print on displayed screen.

The screen below appears.

1	]	-A
JobName 1		
Print time	0:00:01	
	Start print	

A. Tap to display the screen below. Specify the number of copies.

	00	) 1	×
JobName	1	2	3
	4	5	6
Print time	7	8	9
	0	C	Ж

8. Tap Start print.

# Using Remote UI

- 1. Display printer status on web browser.
- 2. On Menu page, select Job management.
- 3. Select **Saved job**.

The saved job list appears.

4. On **Saved job** page, select box.

ř.			Administrator mode Log off
Menu	<	Saved job	
Printer status			
Utilities	00	Number of documents : 7	
Device settings	_	Common job box	
Job management	01 🦾	Box Name 1	
Security	02	Number of documents : 1	
System info and LAN settings	02	Untitled	
Language selection	03 🌘	Number of documents : 1 Untitled	
Manual (Online)	04	Number of documents : 1 Untitled	
	05 🦾	Number of documents : 1 Untitled	
	5	Number of documents : 1	

### >>>> Note

• Enter the password if it is enabled for a saving box.

Menu     Saved job       Printer status     Enter a password.       Utilities     Password	
Utilities	
Device settings Password	
Job management	
System info and LAN settings	
Manual (Online)	
ок	

5. Select saved job and select **Print**.

			Administrator mode Log
Menu	<	Saved job	
Printer status	Document name		inh anna d
Utilities	i		job name 1
Device settings	User name		
Job management	- Oser name		job owner 1
Security	Media type		
System info and LAN settings	Page size		Template
Language selection			A3
Manual (Online)	Paper source		Roll paper 1
	Copies		1
		Edit	Print

6. Enter quantity to print in **Copies** and select **Yes**.

			Administrator mode Log off
Menu	<	Print	
Printer status	Start printing?		
Utilities			
Device settings	Copies 1		
Job management			
Security		Yes No	
System info and LAN settings			
Language selection			
Manual (Online)			

# **Deleting Saved Jobs**

Delete saved print jobs stored on the printer's hard disk as follows.

This operation is available using the operation panel or Remote UI.

- Using Operation Panel
- Using Remote UI

## **Using Operation Panel**

- 1. Make sure printer is turned on.
- 2. Flick HOME screen and tap **Job management**.

Menu Operations

3. Tap Saved job.

The Job box list screen appears.

4. Tap box.



• Enter the password if it is enabled.

- 5. Tap Job list.
- 6. Tap job to delete.
- 7. Tap Delete.
- 8. Tap Yes on displayed screen.

## **Using Remote UI**

- 1. Display printer status on web browser.
- 2. On Menu page, select Job management.
- 3. Select Saved job.

The saved job list appears.

4. On Saved job page, select box.

E			Administrator mode Log off
Menu	<	Saved job	
Printer status			
Utilities	00	Number of documents : 7	
Device settings	_	Common job box	
Job management	01	Number of documents : 1 Box Name 1	
Security	02	Number of documents : 1	
System info and LAN settings	02	Untitled	
Language selection	03 🖉	Number of documents : 1 Untitled	
Manual (Online)	04 🦾	Number of documents : 1 Untitled	
	05 🦾	Number of documents : 1 Untitled	
	5	Number of documents : 1	

## >>>> Note

• Enter the password if it is enabled for a saving box.

1			Standard user mode Log off
Menu	<	Saved job	
Printer status	Enter a password.		
Utilities			
Device settings	Password		
Job management			
System info and LAN settings			
Manual (Online)			
		ок	

5. Select saved job and select **Edit**.

			Administrator mode Log
Menu	<	Saved job	
Printer status	Document name		inh anna d
Utilities			job name 1
Device settings	User name		
Job management	- Oser name		job owner 1
Security	Media type		
System info and LAN settings	Page size		Turnet
Language selection			Template A3
Manual (Online)	Paper source		Roll paper 1
	Copies		1
		Edit	rint

6. Select **Delete** on displayed screen.

			Administrator mode Log c
Menu	<	Saved job	
Printer status	Document name		inh anna d
Utilities			job name 1
Device settings			Change
Job management	User name		
Security	Osername		job owner 1
System info and LAN settings	Media type		
Language selection Manual (Online)	Page size		Template A3
	Paper source		Roll paper 1
	Copies		
		Delete M	ove

# **Moving Saved Jobs**

Print jobs stored on the printer's hard disk (saved jobs) can be moved from the current box to another box as follows.

However, jobs saved in personal boxes cannot be moved to the shared mailbox.

This operation is available using Remote UI.



### >>>> Important

• Jobs stored in the shared mailbox may be automatically deleted under some conditions. To prevent jobs from being deleted, move them from the shared mailbox to personal boxes.

- Using Printer Hard Disk
- 1. Display printer status on web browser.
- 2. On Menu page, select Job management.

#### 3. Select Saved job.

The saved job list appears.

#### 4. On **Saved job** page, select box.

			Administrator mode	Log of
Menu	<	Saved job		
Printer status				
Utilities	00 /=/	er of documents : 7		
Device settings		ion job box		
Job management	01 Box N	er of documents : 1 ame 1		
Security	02 Numb	er of documents : 1		
System info and LAN settings	Untitle	bd		
Language selection	03 Numb Untitle	er of documents : 1 ∍d		
Manual (Online)	04 ANUMB	er of documents : 1 ed		
	05 D Numb	er of documents : 1 ed		
	, Numb	er of documents : 1		

• Enter the password if it is enabled for a saving box.

			andard user mode Log off
Menu	<	Saved job	
rinter status	Enter a password.		
tilities			
evice settings	Password		
ob management			
ystem info and LAN settings			
Manual (Online)			
		ок	

5. Select saved job and select Edit.

1			Administrator mode Log of
Menu	<	Saved job	
Printer status	Document name		job name 1
Utilities			joo name 1
Device settings	User name		
Job management	- Oser name		job owner 1
Security	Media type		
System info and LAN settings	Page size		Tomolata
Language selection			Template A3
Manual (Online)	Paper source		Roll paper 1
	Copies		1
		Edit P	rint

- 6. Select **Move** on displayed screen.
- 7. On Move job page, select Destination job box.

t.			Administrator mode Log off
Menu	<	Move job	
Printer status	Select the destination job b	ox.	
Utilities	Current job box : 00		
Device settings	Common job box		
Job management	Destination job box : 00		
Security	Common job box		
System info and LAN settings			
Language selection			
Manual (Online)			
		ок	

8. Select name or number of destination personal box in **Destination job box** list and select **OK** on displayed screen.

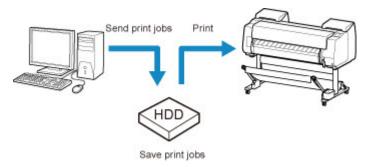
			Administrator mode Log off
Menu	<	Move job	
Printer status	Select the destination jo	ob box.	
Utilities	Current job box : 00		
Device settings	Common job box		
Job management	Destination job box : 00	É.	
Security	Common job box		
System info and LAN settings			
Language selection			
Manual (Online)			
		ок	

# **Advanced Print Job Operations**

- Saving Print Jobs Sent from Sources Other than Printer Driver
- Printing without Saving Jobs in Common Box
- Setting Passwords for Personal Boxes
- Naming Personal Boxes
- Displaying List of Saved Jobs
- Printing List of Saved Jobs
- Displaying Details of Saved Jobs
- Renaming Saved Jobs
- Printer Hard Disk Operations
- Checking Free Hard Disk Space

# Saving Print Jobs Sent from Sources Other than Printer Driver

To save print jobs sent from software or systems other than the printer driver or applications provided with the printer, specify the output method and select the setting to perform printing after saving printing data using the operation panel.



### Note Note

· Contact the software or system developer for information about support for this printer function.

### Important

- The administrator password is required to change settings if it is enabled for changing settings using the operation panel.
- Specifying Output Method
- Printing after Saving Printing Data

### **Specifying Output Method**

Perform settings for printing or saving print job.

1. Make sure printer is turned on.



- 2. Flick HOME screen and tap **Device settings**.
  - Menu Operations
- 3. Tap Hard disk settings.
- 4. Enter administrator password if it is enabled.

### 5. Tap Output method.

Select the method below.

#### Print

Save print jobs automatically at the same time they are printed. (This is the default format.)

#### Print (auto delete)

Save print jobs temporarily at the same time they are printed and delete them after printing.

#### Save to job box

Save print jobs on the printer.

## **Printing after Saving Printing Data**

To save print jobs on the hard disk before printing, select ON for Save first and print.

Printing will start when Save first and print is set to ON, even if you have selected Save to job box for Output method.

1. Make sure printer is turned on.



- Device settings. 2. Flick HOME screen and tap
  - Menu Operations
- 3. Tap Hard disk settings.
- 4. Enter administrator password if it is enabled.
- 5. Tap Save first and print.
- 6. Tap **ON**.

# **Printing without Saving Jobs in Common Box**

Jobs sent from a computer for which you have selected **Print** in **Output Method** in the printer driver are saved in the shared mailbox.

Using Printer Hard Disk

When **Common job box setting** is set to **Print (auto delete)** in the operation panel menu, print jobs for which you have selected **Print** in **Output Method** in the printer driver are deleted from the shared mailbox after printing.

Use this function when printing highly confidential documents.

## >>>> Important

- The administrator password is required to change settings if it is enabled for changing settings using the operation panel.
- 1. Make sure printer is turned on.
- 2. Flick HOME screen and tap

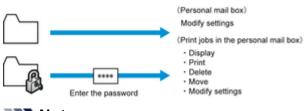
Device settings.

- Menu Operations
- 3. Tap Hard disk settings.
- 4. Enter administrator password if it is enabled.
- 5. Tap Common job box setting.
- 6. Tap Print (auto delete).

# **Setting Passwords for Personal Boxes**

For greater security, you can specify a password for personal boxes. After you set a password, it will be required to modify the personal box settings, as well as to display, print, delete, move, and modify jobs saved in the personal box.

This operation is available using Remote UI.



### Difference 🔊 🔊 🔊 🔊 🔊 🔊 🔊

- By default, no passwords are set for personal boxes.
- A password cannot be set for the shared mailbox.
- Enter a four-digit number as the password, in the range 0001?9999.
- Even if you have set passwords, they are not required to access personal boxes in Administrator Mode in Remote UI.
- 1. Display printer status on web browser.
- 2. On Menu page, select Job management.
- 3. Select Saved job.

The saved job list appears.

4. On **Saved job** page, select box.

#### 5. Select Edit.

<u>(</u>				Administrator mode Log off
Menu	<	Saved j	ob	
Printer status		per of documents : 1		
Utilities	02 Untitle	ed	6	Edit
Device settings				Eait
Job management	job name 3			
Security	job owner 3			
System info and LAN settings				
Language selection				
Manual (Online)				
		List	:	

6. In **Edit job box** dialog box, specify password.

1			Administrator mode	Log off
Menu	<	Edit job box		
Printer status	Job box name			
Utilities	inerii i			
Device settings	Password(4 cha	racters)		ר
Job management				]
Security				
System info and LAN settings				
Language selection				
Manual (Online)				
		ок		

- 7. Enter password. (This field is limited to four digits in the range 0001 to 9999.)
- 8. Select OK.

# **Naming Personal Boxes**

For easier identification, you can assign names to personal boxes.

This operation is available using Remote UI.

- 1. Display printer status on web browser.
- 2. On Menu page, select Job management.
- 3. Select Saved job.

The saved job list appears.

4. On **Saved job** page, select box.

		Administrator mode Log of
Menu	<	Saved job
Printer status		
Utilities	00 /	nber of documents : 7
Device settings		nmon job box
Job management	01	nber of documents : 1 : Name 1
Security		nber of documents : 1
System info and LAN settings	02 Unt	itled
Language selection	03	nber of documents : 1 itled
Manual (Online)	04	nber of documents : 1 itled
	05	nber of documents : 1 itled
	, Nur	nber of documents : 1

### Note

• Enter the password if it is enabled for a saving box.

		ard user mode Log off	
Menu	<	Saved job	
rinter status	Enter a password.		
Itilities			
levice settings	Password		
ob management			
system info and LAN settings			
Manual (Online)	[		
		ок	

5. Select Edit.

1		Administrator mode Log of
Menu	<	Saved job
Printer status	02 Untitled	
Utilities		Edit
Device settings		Eoit
Job management	ich name 3	
Security	job name 3 job owner 3	
System info and LAN settings		
Language selection		
Manual (Online)		
		List

6. In Edit job box dialog box, enter name in Job box name and select OK.

6			Administrator mode Log of
Menu	<	Edit job box	
Printer status	Job box name		
Utilities	inali		
Device settings	Password(4 ch	aracters)	
Job management	••••		
Security			
System info and LAN settings	[		
Language selection			
Manual (Online)	Ĩ.		
		ок	

# **Displaying List of Saved Jobs**

Print jobs stored on the printer's hard disk (saved jobs) can be listed by box as follows.

This operation is available using the operation panel or Remote UI.

- Using Operation Panel
- Using Remote UI

## **Using Operation Panel**

- 1. Make sure printer is turned on.
- 2. Flick HOME screen and tap **Job management**.

Menu Operations

3. Tap Saved job.

The Job box list screen appears.

4. Tap box.



• Enter the password if it is enabled.

5. Tap Job list.

Saved job list for each box appears.

## **Using Remote UI**

- 1. Display printer status on web browser.
- 2. On Menu page, select Job management.
- 3. Select Saved job.

The saved job list appears.

4. On **Saved job** page, select box.

ř.			Administrator mode Log off
Menu	<	Saved job	
Printer status			
Utilities	00	Number of documents : 7	
Device settings	_	Common job box	
Job management	01 🦾	Number of documents : 1 Box Name 1	
Security	02	Number of documents : 1	
System info and LAN settings	02	Untitled	
Language selection	03 🖉	Number of documents : 1 Untitled	
Manual (Online)	04 🦾	Number of documents : 1 Untitled	
	05 🦾	Number of documents : 1 Untitled	
	5	Number of documents : 1	

## >>>> Note

• Enter the password if it is enabled for a saving box.

Enter a password.	Saved job	
Enter a password		
Enter a password.		
Password		
	ок	
	Password	

Jobs saved in the box are listed.

# **Printing List of Saved Jobs**

The list of print jobs stored on the printer's hard disk (saved jobs) can be printed by box as follows.

This operation is available using the operation panel.

- 1. Make sure printer is turned on.
- 2. Flick HOME screen and tap
- Job management.

Menu Operations

3. Tap Saved job.

The Job box list screen appears.

4. Tap box.



• Enter the password if it is enabled.

5. Tap Job list.

### 6. Tap Print the job list.

Saved job list for each box appears.

# **Displaying Details of Saved Jobs**

Details of print jobs stored on the printer's hard disk (saved jobs) can be displayed as follows.

This operation is available using the operation panel or Remote UI.

- Using Operation Panel
- Using Remote UI

## **Using Operation Panel**

- 1. Make sure printer is turned on.
- 2. Flick HOME screen and tap **Job management**.

Menu Operations

3. Tap Saved job.

The Job box list screen appears.

4. Tap box.



• Enter the password if it is enabled.

5. Tap Job list.

Saved job list for each box appears.

6. Tap print job.

The print job details appears.

## **Using Remote UI**

- 1. Display printer status on web browser.
- 2. On Menu page, select Job management.
- 3. Select Saved job.

The saved job list appears.

4. On **Saved job** page, select box.

ř.			Administrator mode Log off
Menu	<	Saved job	
Printer status			
Utilities	00	Number of documents : 7	
Device settings	_	Common job box	
Job management	01 🦾	Number of documents : 1 Box Name 1	
Security	02	Number of documents : 1	
System info and LAN settings	02	Untitled	
Language selection	03 🖉	Number of documents : 1 Untitled	
Manual (Online)	04 🦾	Number of documents : 1 Untitled	
	05 🦾	Number of documents : 1 Untitled	
	5	Number of documents : 1	

## >>>> Note

• Enter the password if it is enabled for a saving box.

			Standard user mode Log off
Menu	<	Saved job	
Printer status	Enter a password.		
Utilities			
Device settings	Password		
Job management			
System info and LAN settings			
Manual (Online)			
		ок	

5. Select print job.

1			Administrator mode Log of
Menu	<	Saved job	
Printer status	Document name		inh anns d
Utilities			job name 1
Device settings	User name		
Job management	<ul> <li>User name</li> </ul>		job owner 1
Security	Media type		
System info and LAN settings	Page size		Tamalata
Language selection			Template A3
Manual (Online)	Paper source		Roll paper 1
	Copies		1
		Edit P	rint

The details of the saved document appears.

#### **Renaming Saved Jobs**

Print jobs stored on the printer's hard disk (saved jobs) can be renamed as follows.

This operation is available using Remote UI.

- 1. Display printer status on web browser.
- 2. On Menu page, select Job management.
- 3. Select Saved job.

The saved job list appears.

4. On **Saved job** page, select box.

		Administrator mode Log off
Menu	<	Saved job
Printer status		
Utilities	00	nber of documents : 7
Device settings	Con	nmon job box
Job management	01	nber of documents : 1 Name 1
Security	n I Nun	nber of documents : 1
System info and LAN settings	02 🔐 Unti	itled
Language selection	03	nber of documents : 1 itled
Manual (Online)	04	nber of documents : 1 itled
	05	nber of documents : 1 itled
	, Nun	nber of documents : 1

#### Note

• Enter the password if it is enabled for a saving box.

		Sta	ndard user mode Log off
Menu	<	Saved job	
rinter status	Enter a password.		
tilities			
evice settings	Password		
ob management			
ystem info and LAN settings			
Manual (Online)			
		ок	

5. Select saved job and select **Edit**.

/			Administrator mode Log of
Menu	<	Saved job	
Printer status	Document name		job name 1
Utilities			joo name 1
Device settings	User name		
Job management	- Oser name		job owner 1
Security	Media type		
System info and LAN settings	Page size		
Language selection	1		Template A3
Manual (Online)	Paper source		Roll paper 1
	Copies		1
		Edit P	rint

6. Select Change.

Ĩ.			Administrator mode Log of
Menu	<	Saved job	
Printer status	Document name		ink some d
Utilities			job name 1
Device settings			Change
Job management	User name		
Security	Ober name		job owner 1
System info and LAN settings	Media type		
Language selection Manual (Online)	Page size		Template A3
	Paper source		Roll paper 1
	Copies		Print Parallel Parallel
		Delete	Nove

7. Enter name and select **OK**.

		Administrator mode Log off
<	Change	
Document name		
pet name 5		
-		
[		
i		
	ок	
	_ Document name	Document name

#### **Printer Hard Disk Operations**

Printer hard disk operations are available from the following programs and interfaces.

- Printer driver
- Remote UI
- Operation panel

The hard disk operations available through each interface are as follows.

Operation		Printer driver	Remote UI	Operation panel
Saving print jobs	Save in mail box	1	-	-
	Do not save print jobs in the common box	-	-	1
	Save print jobs sent from sources other than the printer driver	-	-	1
Operations with saved jobs	Print saved jobs	-	1	1
	Delete saved jobs	-	1	1
Job queue management	Display job queue	-	1	1
	Delete	-	1	1
	Preempt jobs	-	1	1
	Operations with held jobs	-	1	1
Mail box management	Move saved jobs	-	1	-
	Modify saved jobs	-	1	-
	Modify mail boxes	-	1	-
	Print a list of saved jobs	-	-	1
	Display a list of saved jobs	-	1	1
Other operations	Display free hard disk space	-	1	1
	Initialize hard disk	-	-	1
	Display the time of printing	-	1	1
Display error messages	1	-	1	1

#### **Checking Free Hard Disk Space**

Check the space available on the printer's hard disk as follows.

This operation is available using the operation panel or Remote UI.

- Using Operation Panel
- Using Remote UI

#### **Using Operation Panel**

- 1. Make sure printer is turned on.
- 2. Flick HOME screen and tap **Printer information**.

Menu Operations

3. Tap Hard disk information.

The free hard disk space appears.

#### **Using Remote UI**

- 1. Display printer status on web browser.
- 2. On Menu page, select Job management.
- 3. Select Hard disk information.

The free hard disk space is shown in the upper-right corner.

r		Ad	ministrator mode Log off
Menu	<	Hard disk information	
Printer status	Hard disk capacity		250.0GB
Utilities	Job box free space		200.000
Device settings			140.0GB
Job management			
Security			
System info and LAN settings			
Language selection			
Manual (Online)			
		ок	

#### **Frequently Asked Questions**

- I want to easily create vertical or horizontal banners.
- Does this printer support sub-ink tank system?
- I want to know how to configure roll cutting.
- I want to configure so that the roll is cut automatically after waiting for the ink to dry.
- I want to print borderless (without a border)
- I want to know the paper types that can be used in this printer.
- The paper type that I want to print is not displayed on the Touch Screen.
- What type of function is color calibration?
- Can I perform duplex printing?
- I want to perform enlargement printing.

#### **Examples of Problems**

- Problems Regarding Paper
  - Clearing Jammed Roll Paper
  - Clearing a Jammed Sheet
  - Roll paper cannot be inserted into the Paper Feed Slot
  - Paper cannot be fed automatically
  - Cannot load sheets
  - Paper is not cut straight
  - Paper is not cut
  - The size of clear film cannot be detected
  - Margins are wide
  - When printing on thin roll paper, the printed surface becomes scratched
- Printing Does Not Start
  - The Data lamp on the Control Panel does not light up
  - · The printer does not respond even if print jobs are sent
  - "Injecting the ink" is displayed
  - "Agitating the ink" is displayed
- <u>The Printer Stops During a Print Job</u>
  - Printing stops and an error message is displayed

- The printer ejects blank, unprinted paper
- Problems with the Printing Quality
  - Printing is faint
  - Paper rubs against the printhead
  - The edges of the paper are dirty
  - The surface of the paper is dirty
  - The back side of the paper is dirty
  - Immediately after borderless printing, the trailing edge margin is soiled during regular printing
  - Printed colors are inaccurate
  - Banding in different colors occurs
  - Colors in printed images are uneven
  - Image edges are blurred or white banding occurs
  - The contrast becomes uneven during printing
  - The length of printed images is inaccurate in the feeding direction
  - Images are printed crooked
  - Documents are printed in monochrome
  - Line thickness is not uniform
  - Lines or colors are misaligned
  - Borders appear in borderless printing
- <u>Cannot Print over Network</u>
  - Cannot Connect Printer to Network
  - Cannot Print over TCP/IP Network
  - Cannot Print over Bonjour networks
- <u>Cannot Find Printer on Network</u>
  - <u>Cannot Find Printer on Check Printer Settings Screen (Windows)</u>
  - <u>Cannot Proceed beyond Printer Connection Screen/Connect Cable Screen</u>
  - Searching Printer by IP Address or Host Name During Setup
- Installation Problems
  - Removing Printer Software
- Other Problems
  - The printer does not turn on
  - The printer takes time to start up
  - If the Printer Makes a Strange Sound
  - Messages advising to check the maintenance cartridge are not cleared
  - The printer consumes a lot of ink

- Printed pages are not collected cleanly in the basket
- Basket Lurches
- When Trim edge first is set, the trimmed paper is drawn into the roll unit
- Ink Level Detection
- List of Support Code for Error

# Q,

### I want to easily create vertical or horizontal banners.

You can print originals that are in landscape (or portrait) orientation automatically enlarged to fit the roll width. This is an easy way to create vertical or horizontal banners.

➡ Printing Hanging and Horizontal Banners (Large-Format Printing) (Windows)

➡ Printing Hanging and Horizontal Banners (Large-Format Printing) (Mac OS)

## **Q** Does this printer support sub-ink tank system?

A This printer supports hot-swap ink tank replacement.

Even if an ink tank becomes empty during printing, since a certain amount of ink always is stored in a subink tank, you can replace the ink tank while printing.

Replacing Ink Tanks



#### I want to know how to configure roll cutting.

A Cutting methods can be selected in the printer settings and printer driver settings.

To automatically cut roll paper after printing, open the **Cutting mode** settings on the printer, and then under **Automatic cut** set **Automatic Cutting** in the printer driver to **Yes**.

When using paper that is easily scratched, or paper where the ink requires extra time to fix, we recommend setting **Cutting mode** on the printer to **Eject cut**.

- Specifying the Cutting Method for Rolls
- ➡ <u>Cutting Roll Paper after Printing</u> (Windows)
- ➡ Cutting Roll Paper after Printing (Mac OS)

If using the Media Take-up Unit, see the pages below for cutting settings and rolling settings after cutting.

- Switching Roll Unit Modes
- Removing Printed Paper from the Roll Unit

# Q,

# I want to configure so that the roll is cut automatically after waiting for the ink to dry.

You can set an ink drying time in the printer driver.

You can also configure the same settings on the printer itself.

- ➡ <u>Main Tab Description</u> (Windows)
- ➡ Paper Detailed Settings (Mac OS)
- ➡ Specifying the Ink Drying Time for Rolls
- Menu Structure

# 

A If printing on roll paper, you can set borderless printing in the printer driver settings. (If printing on sheets, borderless printing is not possible)

➡ Prints without Edges Based on the Scenarios (Windows)

➡ Prints without Edges Based on the Scenarios (Mac OS)

# Q,

#### I want to know the paper types that can be used in this printer.

For information about paper that can be used with this printer, see the imagePROGRAF home page or refer to the media information list.

➡ Paper Information List



# The paper type that I want to print is not displayed on the Touch Screen.

A If using a new paper type, start the **Media Configuration Tool** to get the latest media information.

➡ Updating paper information

# **Q**<br/> What type of function is color calibration?

A The Color Calibration function operates during printing to correct color differences caused by differences between printers or by printer deterioration.

We recommend color calibration in the following situations.

- · After initial printer installation
- When replacing the print head
- · When you sense a change of color compared to previously
- · When you want to coordinate color and print from multiple printers
- When the execution guide is displayed
- Managing Colors
- ➡ Performing Color Calibration

# 

A This printer cannot print double-sided.

An alternative to double-sided printing is to use the **Folded Duplex** function of the Windows software **Canon imagePROGRAF Free Layout**, which prints two pages on one side, folds the sheet back from the center, and hangs it.

Use the printer driver to adjust the original to the paper size and width, or print enlarged or reduced by specifying a magnification factor.

➡ <u>Scaled Printing</u> (Windows)

➡ Scaled Printing (Mac OS)

#### **Problems Regarding Paper**

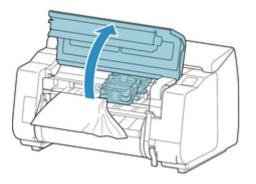
- Clearing Jammed Roll Paper
- Clearing a Jammed Sheet
- Roll paper cannot be inserted into the Paper Feed Slot
- Paper cannot be fed automatically
- <u>Cannot load sheets</u>
- Paper is not cut straight
- Paper is not cut
- <u>The size of clear film cannot be detected</u>
- Margins are wide
- When printing on thin roll paper, the printed surface becomes scratched

# **Q**<br/>Clearing Jammed Roll Paper

If roll paper jams, follow the steps below to remove jams.

#### >>>Note

- If "The paper is jammed. Lift the release lever and remove the paper." appears on the touch screen, Step 1 and Step 9 can be skipped.
- 1. Turn off the power to the printer.
  - ➡ Turning the Printer On and Off
- 2. Open the top cover.

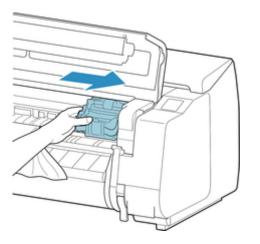


#### >>>Note

• If the roll paper is very curled or the leading edge of the roll paper blocks the Carriage, setting the cutting method for the roll paper to **User cut** and leading edge detection to **Do not detect** may stop the paper from blocking the carriage.

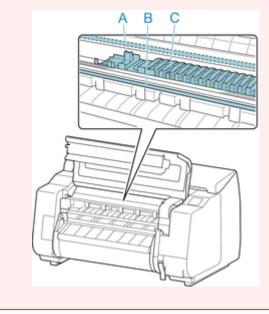
Specifying the Cutting Method for Rolls

3. If the Carriage is out, move the Carriage out of the way, away from the paper.

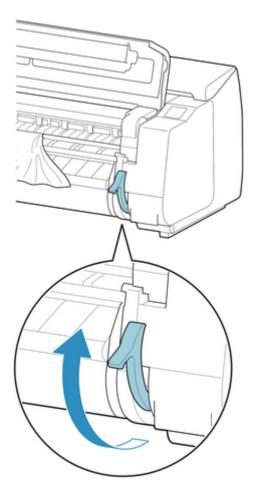


#### >>>>Important

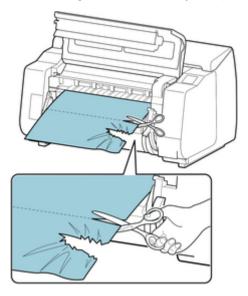
• Do not touch the linear scale (A), carriage shaft (B), or ink tube stabilizer (C). Touching these may cause malfunction.



4. Lift up the release lever.

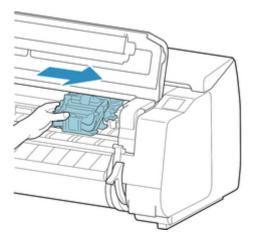


5. Holding the paper on both sides, pull the jammed portion out toward the front. Use scissors or a cutting tool to cut away the printed or wrinkled portion.



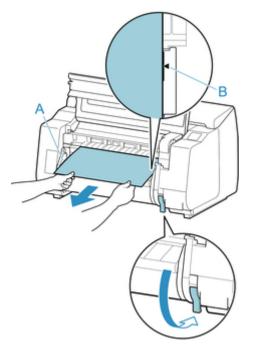
#### Caution

- Be careful not to injure yourself or scratch the printer when cutting.
- 6. If the Carriage is on the left, move the Carriage to the right until it stops.



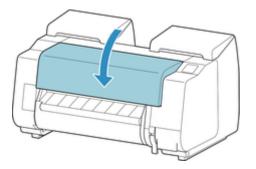
#### >>>>Important

- Always move the Carriage to the right side. If the Carriage is on the left, a Carriage error may occur when you turn on the printer.
- 7. While holding the leading edge of the roll paper in the middle and gently and evenly pulling until it reaches the output guide (A) position, align the right edge of the roll paper parallel to the paper alignment line (B), and lower the release lever.



#### >>>Important

- Do not pull the roll paper forcefully to make it line up with the paper alignment line (B). This might cause the roll paper to feed at an angle.
- 8. Close the top cover.



- 9. Turn on the power to the printer.
  - ➡ Turning the Printer On and Off

The roll is advanced and the printer is ready to print.

#### >>>Note

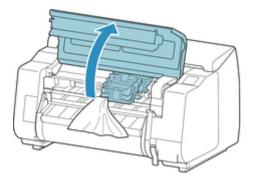
• To trim the leading edge cleanly, select the paper being fed on the touch screen, and then cut the leading edge by tapping **Cut paper** in **Feed/cut**.

Specifying the Cutting Method for Rolls

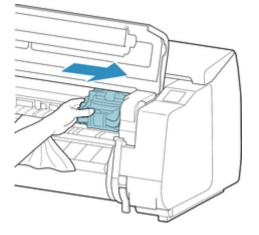
# **Q**<br/>Clearing a Jammed Sheet

If a sheet jams, follow the steps below to remove it.

- 1. Turn off the power to the printer.
  - Turning the Printer On and Off
- 2. Open the top cover.

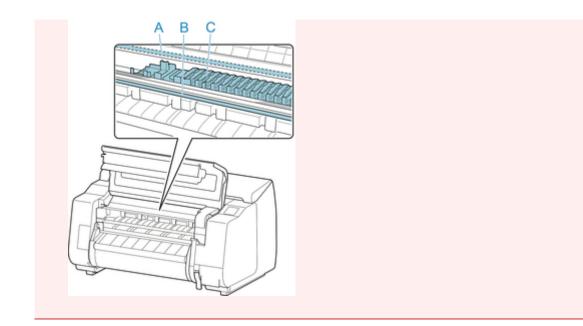


3. If the Carriage is out, move the Carriage out of the way, away from the paper.

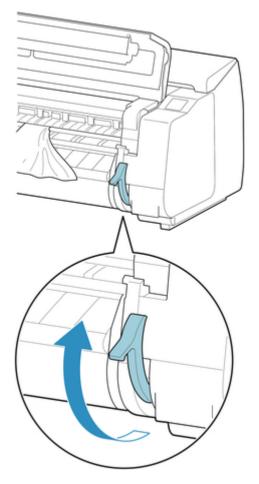


#### >>>Important

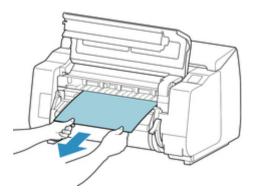
• Do not touch the linear scale (A), carriage shaft (B), or ink tube Stabilizer (C). Touching these may cause malfunction.



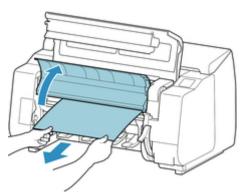
4. Lift up the release lever.



5. If the paper is visible, hold the paper and pull it out toward the front.

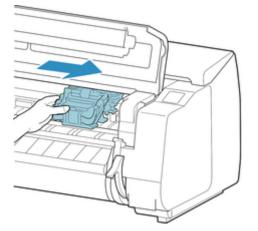


6. If you cannot see the paper, lift the output guide, remove the roll holder, and remove the jammed paper from underneath.



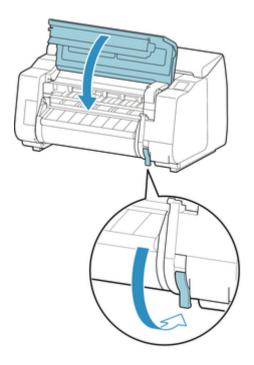
After removing the paper, inspect the interior to ensure paper fragments or other objects do not remain, and lower the output guide.

7. If the Carriage is on the left, move the Carriage to the right until it stops.



#### >>>Important

- Always move the Carriage to the right side. If the Carriage is on the left, a Carriage error may occur when you turn on the printer.
- 8. Lower the release lever and close the top cover.



- 9. Turn on the power to the printer.
  - ➡ <u>Turning the Printer On and Off</u>

## Q,

#### Roll paper cannot be inserted into the Paper Feed Slot



Check 1

Is the roll paper curled?

Straighten out curls and reload the roll.

Check 2

Is paper jammed in the feed slot?

Remove the jammed paper.

- Clearing Jammed Roll Paper
- Clearing a Jammed Sheet

#### Check 3

Check that the correct paper source has been selected

Select Paper settings in the touch screen menu, and then select the paper source.

#### Check 4

Is the roll unit in Take-up mode when feeding from the roll unit?

Select **Roll unit use setting** in the touch screen menu, and set it to paper feed mode.

Loading the Lower Roll on the Roll Unit (Option)

#### Paper cannot be fed automatically

A This paper cannot be fed automatically.

Set Paper retention setting to Release in the touch screen menu and feed the paper manually.

#### Menu Structure

#### >>>Note

• While this setting is selected, you cannot use automatic roll paper switching.

# **Q**<br/>Cannot load sheets



Check

Check that the correct paper source has been selected

Select Paper settings in the touch screen menu, and then select the paper source.

Tap Load paper. and load the paper.

➡ Loading Sheets in the Printer

## **Q** Paper is not cut straight



Check 1

Is the edge of the paper cutting position creased?

Straighten out any curling by the edges of the paper.

Check 2

Is the edge of the paper cutting position lifting up when cutting?

Reload the paper correctly.

#### Check 3

Is the paper a type that can be cut with the cutter blade?

Set **Cutting mode** in the touch screen menu to **User cut**, then and cut the roll paper with a cutting implement such as scissors.

Specifying the Cutting Method for Rolls

Check 4

Check that the Cut speed setting is correct

Change the **Cut speed** setting in the touch screen menu.

Menu Structure

Check 5

Did the printing material slip diagonally while being cut?

Set the **Cutting mode** in the touch screen menu to **Eject cut**, and then hold and cut the material after it has printed.

Specifying the Cutting Method for Rolls

Check 6

Is the cutter blade attached properly?

Attach the cutter blade properly.

Replacing the Cutter Blade

#### Check 7

Is the edge of the cutter blade blunt?

Replace the cutter blade.



### **Q** Paper is not cut

## A

#### Check 1

#### Is Automatic Cutting in the printer driver set to No or Print Cut Guideline?

Set the printer driver Automatic Cutting setting to Yes.

- ➡ Page Setup Tab Description (Windows)
- ➡ Paper Detailed Settings (Mac OS)

#### Check 2

#### Is Cutting mode in the touch screen menu set to Eject cut or User cut?

If Cutting mode is set to Eject cut, select Feed/cut in the touch screen menu and cut the paper.

If Cutting mode is set to User cut, cut the roll paper with a cutting implement such as scissors.

Specifying the Cutting Method for Rolls

#### Check 3

Is the cutter blade attached?

Attach the cutter blade.

Replacing the Cutter Blade

#### Check 4

Is the cutting method for paper ejected after printing set to **Do not cut** when the roll unit is set to **Take-up mode**?

Follow the steps below to change the settings.

- 1. Select the roll unit on the touch screen.
- 2. Tap Use in take-up mode, and then select Use the cutting mode setting.
- 3. Set the Cutting mode for Roll paper 1 on the touch screen to Automatic cut.

# **Q**<br/>The size of clear film cannot be detected

# A

Check

Is the platen dirty with ink?

Open the top cover and clean the entire platen area.

<u>Cleaning Inside the Top Cover</u>

## Q Margins are wide

# A

#### Check 1

Is auto cut being used on printed material with a wide margin on the trailing edge only?

Rolls are advanced a specific amount before cutting to prevent problems with cutting and paper ejection.

This operation is normal.

#### Check 2

Is leading edge detection set to Do not detect?

**Do not detect** may have been set by responding to the message **Do you want to set to detect the leading edge of the paper?** when **Cutting mode** was set to **User cut** in the touch screen menu.

If the message **Do you want to set to detect the leading edge of the paper?** appears when setting **Cutting mode** to **User cut**, select **Detect (recommended)**.

Please note that if **Detect (recommended)** is selected and the paper has a strong curl, the print head may rub against the edge of the paper when printing starts.

Specifying the Cutting Method for Rolls

## Q,

# When printing on roll paper, the printed surface becomes scratched



Check 1

Depending on the paper, the printed surface may become scratched when the paper is fed.

In this case, you must set **Paper retention setting** to **Release** on the touch screen, and then manually feed the paper. Lift the release lever, feed the roll paper until the leading edge is visible on the platen, lower the release lever, and then proceed to the next step. If **Paper retention setting** is set to **Release**, you will no longer be able to automatically switch between the upper and lower roll paper.

#### Check 2

Has the roll paper lost tension during printing?

If the roll paper loses tension, the paper surface could be damaged and the paper could wrinkle or fold.

Set Roll paper tension (printing) in the touch screen menu to High.

#### Menu Structure

#### >>>Note

 Carrying out Adjust print quality is recommended when changing Roll paper tension (printing) settings.

### **Printing Does Not Start**

- <u>The Data lamp on the Control Panel does not light up</u>
- The printer does not respond even if print jobs are sent
- "Injecting the ink" is displayed
- "Agitating the ink" is displayed

### Q> The Data lamp on the Control Panel does not light up



Check 1

#### Does the printer have power?

Check that the power cord is firmly plugged all the way in. Push the **ON** button to turn on the power to the printer.

#### Check 2

#### Was the correct printer selected?

In Windows, select the printer by clicking **Select Printer** or **Printer** in the printing dialog box and try printing again.

In Mac OS, open the dialog box of the printer driver, select the printer from the list of **Printer**, and try printing again.

#### Check 3

#### Is the print job paused?

In Windows, restart the print job as follows.

- 1. Select the printer icon in the Printers and Faxes (or Printers ) window.
- 2. Clear Pause Printing in the File menu to restart the print job.

In Mac OS, restart the print job as follows.

- 1. Click Print & Scan (or Print & Fax).
- 2. Select the printer, and then Resume Printer (or Start Jobs ) in the Printers menu to restart the print job.



### The printer does not respond even if print jobs are sent



#### Check 1

#### Is Pause printing set to Enable?

Set Pause printing on the touch screen menu to Disable.

Pausing Printing

Check 2

#### Is Save in mail box selected as the printer Output Method?

Print the job saved on the printer's hard disk.

Printing Saved Jobs

Check 3

Is the print job pending?

Manage the jobs on hold and print as needed.

Managing Pending Jobs (Printing or Deleting Jobs on Hold)

## Q **"Filling the ink**" is displayed

A The print head and sub-ink tank are being filled with ink.

Wait until the system has been filled with ink.

#### >>>Note

• This message might appear if you force the power off while the printer is operating.

Always follow the correct procedure when turning off the power.

Turning the Printer On and Off

# **Q**"Agitating the ink" is displayed

A Ink agitation is in progress.

Please wait until ink agitation is finished.

Agitation time varies depending on time elapsed since powering off (approximately 1 minute to 20 minutes).

### The Printer Stops During a Print Job

- Printing stops and an error message is displayed
- The printer ejects blank, unprinted paper

# **Q**<br/> Printing stops and an error message is displayed

A The last portion of roll paper was used during a print job, and paper could not be advanced because the trailing edge is taped to the roll.

Remove the used roll and insert a new roll.

- Removing the Upper Roll from the Printer
- Removing Rolls From the Roll Holder
- ➡ Loading and Printing on Rolls

# 

### A

#### Check 1

The leading edge of the roll paper may have been trimmed

The leading edge of the roll paper may be trimmed if **Trim edge first** is not set to **OFF** in the touch screen menu.

Cutting the Leading Edge of Roll Paper Automatically

#### Check 2

Is the print head nozzle blocked?

Print a nozzle check pattern to check the print head status.

<u>Checking for Nozzle Clogging</u>

#### Check 3

Is the correct printer driver selected? Print again using the correct printer driver for your printer. If none of the above apply, there may be a printer malfunction. Contact your Canon dealer for assistance.

### **Problems with the Printing Quality**

- Printing is faint
- Paper rubs against the printhead
- The edges of the paper are dirty
- The surface of the paper is dirty
- The back side of the paper is dirty
- Immediately after borderless printing, the trailing edge margin is soiled during regular printing
- Printed colors are inaccurate
- Banding in different colors occurs
- <u>Colors in printed images are uneven</u>
- Image edges are blurred or white banding occurs
- <u>The contrast becomes uneven during printing</u>
- The length of printed images is inaccurate in the feeding direction
- Images are printed crooked
- Documents are printed in monochrome
- Line thickness is not uniform
- Lines or colors are misaligned
- Borders appear in borderless printing

### **Q** Printing is faint



#### Check 1

Is the reverse side of the paper being used for printing?

Print on the printing surface.

#### Check 2

#### Is the print head nozzle blocked?

Print a test pattern to check the nozzles and see if they are clogged.

#### Checking for Nozzle Clogging

#### Note

• To automatically check for nozzle blockages after printing, set **Auto nozzle check** in the touch screen menu to a setting other than **Disable**.

To show warnings based on nozzle check results, set **Nozzle check error display** in the touch screen menu to **Enable**.

However, printing may be stopped by warnings if this setting is set to **Enable**.

Menu Structure

#### Check 3

#### Was the printer left with the ink tank out?

The ink supply may become blocked by ink if the ink tank is left out.

If this happens, leave the printer for at least 24 hours with the ink tank in, and then carry out **Print head** cleaning.

#### Cleaning the Print Head

#### Check 4

#### Are paper scraps stuck in the top cover?

Follow the steps below to remove paper scraps left inside the top cover.

- 1. Open the top cover and make sure that the carriage is not over the platen.
- 2. Remove any paper scraps left inside the top cover.
  - Clearing Jammed Roll Paper
  - Clearing a Jammed Sheet
- 3. Close the top cover.

#### Check 5

Was the paper cut before the ink dried?

Set a longer Ink drying wait time in Advanced paper settings in the touch screen menu.

Menu Structure

#### Check 6

#### Is the printer driver Print Quality set to Fast?

Follow the steps below to set **Print Quality** to a setting other than **Fast**, and then print.

• Windows

Change the **Print Quality** settings in the printer driver **Advanced Settings**.

➡ Changing the Print Quality and Correcting Image Data (Windows)

Mac OS

Change the Print Quality in the printer driver Quality & Media settings.

➡ Changing the Print Quality and Correcting Image Data (Mac OS)

When **Fast** or **Standard** is selected, the printing time is shorter and less ink is used than with **Highest** or **High**, but the print quality is reduced.

#### Check 7

Does the paper used for printing create a lot of cutting dust?

Set Cut-dust reduction in the touch screen menu Advanced paper settings to ON.

Reducing Dust from Cutting Rolls



### Paper rubs against the printhead

### A

#### Check 1

Is the media type specified in the printer driver the same as the media type loaded in the printer?

Load paper of the same type as you have specified in the printer driver.

- ➡ Loading the Upper Roll on the Printer
- Loading Sheets in the Printer

Follow the steps below to match the media type in the printer driver to the media type loaded in the printer.

- 1. To stop printing, press the **Stop** button.
- 2. Change the paper type in the printer driver and try printing again.

#### Check 2

Is the paper loaded properly?

If not loaded properly, paper can buckle and rub against the print head.

Reload the paper.

- Loading the Upper Roll on the Printer
- ➡ Loading Sheets in the Printer

#### Check 3

Is the print head height set too low?

Set Paper Thickness (Head Height) in the touch screen menu to Auto.

Troubleshooting Paper Abrasion and Blurry Images

#### Check 4

Is the paper thick, or a type that curls easily or is prone to buckling after absorbing ink?

If using paper-based printing material such as Heavyweight Coated Paper, set **Transport unit vacuum strength** in the touch screen menu to **Medium-strong** or **Strong**. If that does not resolve the problem, increase the **Paper Thickness (Head Height)** setting in the touch screen menu.

Adjusting Vacuum Strength

Troubleshooting Paper Abrasion and Blurry Images

If using film-based printing material such as CAD Tracing Paper, set the **Transport unit vacuum strength** in the touch screen menu to **Standard**, **Medium-strong**, or **Strong**. If that does not resolve the problem, increase the **Paper Thickness (Head Height)** setting in the touch screen menu.

#### Adjusting Vacuum Strength

Troubleshooting Paper Abrasion and Blurry Images

If using paper thinner than 0.004 inches (0.1 mm), set **Transport unit vacuum strength** in the touch screen menu to **Weak**. If that does not resolve the problem, increase the **Paper Thickness (Head Height)** setting in the touch screen menu.

- Adjusting Vacuum Strength
- ➡ Troubleshooting Paper Abrasion and Blurry Images

#### Check 5

When loading paper in the printer, is the media loaded the same as the media type selected on the touch screen?

Select the correct media type in the touch screen menu when loading paper in the printer.

- ➡ Loading the Upper Roll on the Printer
- Loading Sheets in the Printer

#### Check 6

#### Does the paper have a strong curl at the front edge or is it buckled?

Set Cutting mode in the touch screen menu to User cut, and set leading edge detection to Do not detect.

To keep track of the amount of roll paper remaining in this situation, set **Manage remaining roll amount** to **OFF** before loading the roll paper, and then set **Manage remaining roll amount** back to **ON** after the roll paper is loaded.

Specifying the Cutting Method for Rolls

Keeping Track of the Amount of Roll Paper Left

### **Q** The edges of the paper are dirty



#### Check 1

Was printing borderless or on small paper?

The platen may become dirtied by printing borderless or on small paper sizes.

Open the top cover and clean the platen.

Cleaning Inside the Top Cover

#### Check 2

Is Extension for borderless printing in the touch screen menu set to Large or Standard?

Set Paper with adequate width in Extension for borderless printing to Small.

Menu Structure

#### Check 3

Is the media type specified in the printer driver the same as the media type in the printer?

Make sure the same type of paper is specified on the printer as in the printer driver.

Changing the Type of Paper

Follow the steps below to change the printer driver settings.

- 1. To stop printing, press the **Stop** button.
- 2. Change the type of paper in the printer driver and try printing again.

#### Check 4

#### Is the paper creased or curled?

Straighten out the wrinkles or curls and reload the paper. Do not use paper that has been printed on previously.

- Loading the Upper Roll on the Printer
- Loading Sheets in the Printer

#### Check 5

#### Is Cut-dust reduction in the touch screen menu Advanced paper settings set to ON?

A cut dust reduction line is printed at the paper cut position when Cut-dust reduction is set to ON.

If cutting dust reduction is not required, set Cut-dust reduction to OFF.

Menu Structure

#### Check 6

Is the print head height set too low in the touch screen menu?

Set Paper Thickness (Head Height) to Auto.

Troubleshooting Paper Abrasion and Blurry Images

#### Check 7

Is the paper thick, or a type that curls easily or is prone to buckling after absorbing ink?

If using paper-based printing material such as thick-coat paper, set **Transport unit vacuum strength** in the touch screen menu to **Medium-strong** or **Strong**. If that does not resolve the problem, increase the **Paper Thickness (Head Height)** setting in the touch screen menu.

- Adjusting Vacuum Strength
- ➡ <u>Troubleshooting Paper Abrasion and Blurry Images</u>

If using film-based printing material such as tracing paper, set the **Transport unit vacuum strength** in the touch screen menu to **Standard**, **Medium-strong**, or **Strong**. If that does not resolve the problem, increase the **Paper Thickness (Head Height)** setting in the touch screen menu.

- Adjusting Vacuum Strength
- Troubleshooting Paper Abrasion and Blurry Images

#### Check 8

Is the output guide clean?

Clean the output guide.

Cleaning the Printer Exterior

### **Q** The surface of the paper is dirty



Check 1

Is the paper retainer clean?

Clean the paper retainer.

Cleaning Inside the Top Cover

#### Check 2

Does this paper take longer to dry?

Set the Pause between pages in the touch screen menu to approximately 1 minute.

#### Menu Structure

#### >>>Note

• When printing on paper that takes longer to dry, the paper may curl during printing and come in contact with the output slot.

In such situations, set an **Ink drying wait time** and an **Ink drying target area** for **Pause between scans** in the touch screen menu.

However, note that printing will now take longer.

Menu Structure

#### Note

• In a hot and humid environment, rolling paper printed with images containing areas of saturated color may transfer ink to the contact surface, affecting print quality.

Move the printer to a different environment, or let the paper dry before rolling it.

### **Q** The back side of the paper is dirty

### A

#### Check 1

Was the previous print job borderless, or printed on small paper?

Open the top cover and clean the platen.

Cleaning Inside the Top Cover

#### Check 2

#### Is Detect paper width in the touch screen menu set to OFF?

Printing with **Detect paper width** set to **OFF** may cause the platen to be dirtied.

Set Detect paper width in the touch screen menu to ON, and then open the top cover and clean the platen.

Cleaning Inside the Top Cover

To continue printing with **Detect paper width** set to **OFF**, first open the top cover and clean the platen, and then manually feed roll paper over the platen when printing.

- Cleaning Inside the Top Cover
- Feeding Roll Paper Manually

#### Check 3

Paper may be gripped weakly over the platen.

Set a higher Transport unit vacuum strength in the touch screen menu.

Adjusting Vacuum Strength

#### Check 4

Is Extension for borderless printing in the touch screen menu set to Large or

#### Standard?

Set Paper with recommended width and Paper with adequate width in Extension for borderless printing to Small.

Menu Structure

#### >>>Note

• In a hot and humid environment, rolling paper printed with images containing areas of saturated color may transfer ink to the contact surface, affecting print quality.

Move the printer to a different environment, or let the paper dry before rolling it.



# Immediately after borderless printing, the trailing edge margin is soiled during regular printing

A In some situations, borderless printing with automatic cutting of the leading and trailing edges on roll paper may transfer ink on the cutter blade to the next item printed.

Follow the steps below to change **Between Pages** in **Drying Time** to between 30 seconds and 3 minutes and perform borderless printing.

- Windows
  - 1. Click **Specify** for **Media Type** on the **Main** sheet of the printer driver.
  - 2. Select an ink drying time from the Between Pages list in Drying Time.
- Mac OS

Select an ink drying time from the **Drying Time** list on the **Paper Detailed Settings** sheet of the printer driver.

# **Q**<br/>Printed colors are inaccurate

### A

Check 1 Check the setting of **Rendering Intent** in the printer driver.

The initial value of **Rendering Intent** may differ depending on your printer. The initial value for PRO series is **Perceptual (Photo)** or **Saturation (Poster)**. Check the setting of your printer.

To achieve consistent colors between multiple printers, use the same Rendering Intent setting for all printers.

Adjusting Colors with the Printer Driver

#### >>>Note

You can change the Rendering Intent setting on the Easy Settings of the Main sheet in the printer driver setup window. If you select Photo (Color) for Print Target, Rendering Intent is set to Perceptual (Photo). If you select Poster for Print Target, Rendering Intent is set to Saturation (Poster).

#### Check 2

Has color been adjusted in the printer driver?

Follow the steps below to adjust color settings.

• Windows

Adjust the color settings with Color Mode > Color Settings in Advanced Settings in the printer driver.

- ➡ <u>Main Tab Description</u> (Windows)
- Mac OS

Adjust the color settings in the printer driver Color Options.

➡ Color Options (Mac OS)

#### Check 3

Has the computer or monitor color been adjusted?

Take the actions below.

- Refer to the computer and monitor documentation to adjust the colors.
- Adjust the settings of the color management software, referring to the software documentation as needed.

#### Check 4

Is the print head nozzle blocked?

Print a test pattern to check the nozzles and see if they are clogged.

Checking for Nozzle Clogging

Check 5

#### Is Application Color Matching Priority set to Off in a Windows printer driver?

In the printer driver **Layout** sheet, click **Special Settings**, and then set **Application Color Matching Priority** to **On** in the dialog box that appears.

Layout Tab Description (Windows)

#### Check 6

#### Has the print head been replaced?

Differences between one print head and another may result in a change in color after replacing a print head.

Execute color calibration.

Performing Color Calibration



#### The print head characteristics may have changed

The characteristics of a print head may change with repeated use, including color.

Execute color calibration.

Performing Color Calibration

#### Check 8

Color varies even between printers of the same model due to differences in firmware and printer driver versions, settings, or environment

Follow these steps to prepare the printing environment.

- 1. Use the same version of firmware or printer driver.
- 2. Specify the same value for all settings items.
- 3. Execute color calibration.
  - Performing Color Calibration

#### Check 9

## Was Select Your Place of Residence changed in the Media Configuration Tool when reinstalling the printer driver?

Changing the region selection of the Media Configuration Tool deletes the region-specific paper information originally registered on the printer before installation. Using paper with deleted information when executing color calibration will prevent the resulting calibration adjustment value from being applied to all other types of the paper.

Prepare paper compatible with calibration in the newly selected region and perform calibration again.

Performing Color Calibration

### Q> Banding in different colors occurs

### A

#### Check 1

Are paper actually loaded on the printer and the media type selected on the touch screen the same?

Select the correct media type in the touch screen menu when loading paper in the printer.

- ➡ Loading the Upper Roll on the Printer
- Loading Sheets in the Printer

#### Check 2

#### Has the paper feed rate been calibrated properly?

Adjust the feed amount.

Adjusting Feed Amount

#### Check 3

Print job may have been interrupted while receiving, and therefore not printed at a fast frame rate

Exit other applications and cancel other print jobs.

Check 4

#### Is Set priority in the touch screen menu set to Prioritize length accuracy?

Setting Set priority to Prioritize print quality and adjusting the feed amount can help.

Adjusting Feed Amount

#### Check 5

Check if the print head is in the right position

Adjust the print head position.

Automatic Adjustment to Straighten Lines and Colors

#### Check 6

#### Make sure that the print head nozzle is not blocked

Print a test pattern to check the nozzles and see if they are clogged.

Checking for Nozzle Clogging

#### >>>Note

• To automatically check for nozzle blockages after printing, set **Auto nozzle check** in the touch screen menu to a setting other than **Disable**.

To show warnings based on nozzle check results, set **Nozzle check error display** in the touch screen menu to **Enable**.

However, printing may be stopped by warnings if this setting is set to **Enable**.

Menu Structure

#### Check 7

#### Low Print Quality setting causing lines in the printing

Follow the steps below to set **Print Quality** to **Highest** or **High**, and then print.

- Windows
  - Change the **Print Quality** settings in the printer driver **Advanced Settings**.
  - Changing the Print Quality and Correcting Image Data (Windows)
- Mac OS

Change the Print Quality in the printer driver Quality & Media settings.

Changing the Print Quality and Correcting Image Data (Mac OS)

When **Fast** or **Standard** is selected, the printing time is shorter and less ink is used than with **Highest** or **High**, but the print quality is reduced.

#### Check 8

Is the media type specified in the printer driver the same as the media type loaded in the printer?

Load paper of the same type as you have specified in the printer driver.

- Loading the Upper Roll on the Printer
- Loading the Lower Roll on the Roll Unit (Option)
- Loading Sheets in the Printer

Follow the steps below to change the printer driver settings.

- 1. To stop printing, press the **Stop** button.
- 2. Change the type of paper in the printer driver and try printing again.

#### Check 9

Check whether the banding occurs within 100mm of the leading edge of the paper.

If paper is set on the printer for a long time before printing, the paper may curl resulting in banding.

To avoid this, set **Energy save mode paper rewind** to **Enable** from **Paper-related settings**, and set the **Sleep timer** in **Energy saving settings** to a shorter time. Paper will be moved to a position where it will not curl.

Device user settings

### >>>Important

• Energy save mode paper rewind is only available with firmwave version 2.0.0 and above. Please update your firmware if using an earlier verison.

# **Q**<br/>Colors in printed images are uneven

### A

#### Check 1

Does this paper curl easily?

Colors in printed images may be uneven at the leading edge of paper that curls easily. Change the **Transport unit vacuum strength** in the touch screen to increase the grip on the paper, or set a margin of at least 0.8 inches (20 mm) at the front edge of the paper.

Adjusting Vacuum Strength

#### Check 2

Colors in printed images may be uneven if the Print Quality setting is too low

If using Windows, select **Advanced Settings** from the **Main** tab of the printer driver, and then select a higher **Print Quality** setting.

If using Mac OS, select Quality & Media in the printer driver, and then select a higher Print Quality setting.

When **Fast** or **Standard** is selected, the printing time is shorter and less ink is used than with **Highest** or **High**, but the print quality is reduced.

Changing the Print Quality and Correcting Image Data (Windows)

Changing the Print Quality and Correcting Image Data (Mac OS)

#### Check 3

Colors in printed images may be uneven on the boundary between shades if there are dark and light areas in an image

Using the unidirectional printing function may reduce color unevenness in this situation.

Follow the steps below for unidirectional printing.

• Windows

Open **Paper Detailed Settings** from the **Main** tab of the printer driver, and then select **Unidirectional Printing**.

Mac OS

Open Paper Detailed Settings in the printer driver, and then select Unidirectional Printing.

#### Check 4

If printing borderless, colors in printed images may be a little uneven at the leading edge of the paper because printing is interrupted to cut the paper Set the printer driver **Automatic Cutting** settings to **No**, and then print. Doing this prints only the left and right sides borderless. Cut the top and bottom borders with a cutting implement such as scissors after the printed materials are output and cut.

#### >>>Note

- Selecting a higher Print Quality in the printer driver Advanced Settings may resolve the problem.
  - Changing the Print Quality and Correcting Image Data (Windows)
  - ➡ Changing the Print Quality and Correcting Image Data (Mac OS)

#### Check 5

Check if the print head is in the right position

Adjust the print head position.

Automatic Adjustment to Straighten Lines and Colors

#### Check 6

Color may be uneven if printing materials were stacked while drying

To avoid uneven colors, we recommend drying each sheet separately.

#### Check 7

#### Density may be uneven if using Glossy Paper or Coated Paper

Set Print Quality to Highest or High, and then print.

#### Check 8

Is the media type specified in the printer driver the same as the media type loaded in the printer?

Load paper of the same type as you have specified in the printer driver.

- Loading the Upper Roll on the Printer
- Loading Sheets in the Printer

Follow the steps below to match the media type in the printer driver to the media type loaded in the printer.

- 1. To stop printing, press the **Stop** button.
- 2. Change the type of paper in the printer driver and try printing again.

#### Check 9

## Is **Ink drying target area** for **Pause between scans** in the touch screen menu set to **Leading edge**?

If the **Ink drying target area** for **Pause between scans** is set to **Leading edge**, color may be uneven approximately 4.3 to 6.3 inches (110 to 160 mm) from the front edge of the paper. (The position depends on the **Print Quality** settings)

In this case, set Ink drying target area for Pause between scans to Overall.

However, note that printing will now take longer.

#### Menu Structure



### Image edges are blurred or white banding occurs



#### Check 1

Paper may be gripped too strongly over the platen

Set a lower Transport unit vacuum strength in the touch screen menu.

Adjusting Vacuum Strength

#### Check 2

Check if the print head is in the right position

For detailed printing of small text or fine lines on glossy or semi-gloss photo paper or proof paper, set the print head to the optimal height and then adjust the position of the print head.

Adjusting the Print Head

Setting a lower value for Paper Thickness (Head Height) in the touch screen menu may resolve the problem.

Troubleshooting Paper Abrasion and Blurry Images

#### Check 3

Is the media type specified in the printer driver the same as the media type loaded in the printer?

Load the printer with the media type specified in the printer driver.

- Loading the Upper Roll on the Printer
- ➡ Loading Sheets in the Printer

- 1. To stop printing, press the **Stop** button.
- 2. Reset the media type in the printer driver, and then print.

# **Q**The contrast becomes uneven during printing

### A

#### Check 1

Has the paper feed rate been calibrated properly?

Adjust the feed amount.

Adjusting Feed Amount

#### Check 2

Is the media type specified in the printer driver the same as the media type loaded in the printer?

Load the printer with the media type specified in the printer driver.

- Loading the Upper Roll on the Printer
- ➡ Loading Sheets in the Printer

- 1. To stop printing, press the **Stop** button.
- 2. Change the type of paper in the printer driver and try printing again.



### The length of printed images is inaccurate in the feeding direction



#### Check 1

## Is Set priority for Paper feed adjustment in the touch screen menu set to Prioritize print quality?

Set Set priority for Paper feed adjustment to Prioritize length accuracy, and then carry out Adjust feed length.

Adjusting Feed Amount

#### Check 2

Is the media type specified in the printer driver the same as the media type loaded in the printer?

Load the printer with the media type specified in the printer driver.

- Loading the Upper Roll on the Printer
- Loading Sheets in the Printer

- 1. To stop printing, press the **Stop** button.
- 2. Reset the media type in the printer driver, and then print.





#### Check 1

Is Skew detection accuracy in the touch screen menu set to Loose or OFF?

Set Skew detection accuracy to Standard, and then reload the paper.

Menu Structure

#### Check 2

#### Is Detect paper width set to OFF?

Set Detect paper width in the touch screen menu to ON.

Menu Structure

#### Check 3

Has the roll paper been loaded at an angle?

If there is a gap between the roll paper and roll holder, reload the roll.

- ➡ Loading Rolls on the Roll Holder
- ➡ Loading the Upper Roll on the Printer

# **Q**<br/>Documents are printed in monochrome

## A

#### Check 1

Is **Color Mode** set to **Monochrome**, or **Print Target** set to **Monochrome (Photo)** in a Windows printer driver?

In the Advanced Settings of the printer driver, specify Color in Color Mode and try printing again.

#### Check 2

#### Is Black and White Photo Print selected in a Mac OS printer driver?

Deselect Black and White Photo Print in the printer driver Quality & Media settings, and then print again.

#### Check 3

The print head nozzle may be blocked

Print a test pattern to check the color ink nozzles and see if they are clogged.

<u>Checking for Nozzle Clogging</u>

### Q>> Line thickness is not uniform

### A

#### Check 1

## Is **Fast Graphic Process** set to **On** in the Windows printer driver **Special Settings** dialog box?

Access the printer driver **Properties** dialog box from **Print** in the **File** menu of the source application, and follow these steps to print.

- 1. Deselect Preview before printing in the Main sheet.
- 2. Deselect Page Layout in the Layout sheet.
- 3. Click the **Special Settings** button in the **Layout** sheet, and then set **Fast Graphic Process** to **Off** in the **Special Settings** dialog box that opens.

#### Check 2

Is the media type specified in the printer driver the same as the media type loaded in the printer?

Load the printer with the media type specified in the printer driver.

Loading the Upper Roll on the Printer

Loading Sheets in the Printer

Follow the steps below to match the media type in the printer driver to the media type loaded in the printer.

- 1. To stop printing, press the **Stop** button.
- 2. Reset the media type in the printer driver, and then print.

#### Check 3

#### Adjust the position of the print head

For detailed printing of small text or fine lines on glossy or semi-gloss photo paper or proof paper, set the print head to the optimal height and then adjust the position of the print head.

#### Adjusting the Print Head

#### Note

- Setting a lower value for **Paper Thickness (Head Height)** in the touch screen menu may resolve the problem.
  - Troubleshooting Paper Abrasion and Blurry Images





#### Check 1

#### Adjust the position of the print head

If borders are misaligned or the print results are not uniform, adjust the position of the print head.

#### Adjusting the Print Head

For detailed printing of small text or fine lines on glossy or semi-gloss photo paper or proof paper, set the print head to the optimal height and then adjust the position of the print head.

- Changing the Print Quality and Correcting Image Data (Windows)
- Changing the Print Quality and Correcting Image Data (Mac OS)

#### >>>Note

- Setting a lower value for **Paper Thickness (Head Height)** in the touch screen menu may resolve the problem.
  - Troubleshooting Paper Abrasion and Blurry Images

#### Check 2

Is the media type specified in the printer driver the same as the media type loaded in the printer?

Load the printer with the media type specified in the printer driver.

- Loading the Upper Roll on the Printer
- Loading Sheets in the Printer

- 1. To stop printing, press the **Stop** button.
- 2. Reset the media type in the printer driver, and then print.

### **Q** Borders appear in borderless printing

### A

#### Check 1

#### If printing full-scale borderless, is the selected paper wider than the source size?

For borderless printing at actual size, use roll paper that has the same width as the actual page size.

- Printing Full-Size without Margins (Windows)
- ➡ Printing Full-Size without Margins (Mac OS)

#### Check 2

#### Does the source file have margins?

Check that the printing image data does not have any objects like crop marks and transparent objects.

#### Check 3

Is a margin set in application software?

Check that no margins are configured in the application software you are using.

#### Check 4

#### Is the Extension for borderless printing set to Small?

In Extension for borderless printing in the touch screen menu, set Paper with recommended width and Paper with adequate width to Standard.

#### Menu Structure

#### Check 5

Is the width of the paper recommended for borderless printing?

For paper sizes that are not recommended for borderless printing, a slight margin will automatically be generated on the left and right. You can set the amount of border at this time with **Extension for borderless printing** > **Paper with adequate width** in the touch screen menu.

However, Extension for borderless printing is increased, the platen may become dirty.

For details on paper sizes recommended for borderless printing, see Paper Sizes.

#### Paper Sizes

### **Cannot Print over Network**

- **Cannot Connect Printer to Network**
- **Cannot Print over TCP/IP Network**
- Cannot Print over Bonjour networks
- Cannot Print Using AirPrint



#### Check1 Is the Ethernet cable connected correctly to the printer's Ethernet port?

Make sure the printer is connected to the network with the correct Ethernet cable, and then turn the printer on. For instructions on connecting the cable, refer to the Setup Guide.

Check2 Make sure the Link indicator is lit.

The top and bottom indicators are lit if the printer is connected via 1000Base-T. The top indicator is green if the printer is connected via 100Base-TX, and the bottom indicator is orange if connected via 10Base-T.

If the Link indicator is not lit, check the following points.

- The hub is on.
- The end of the Ethernet cable is connected correctly.

Insert the Ethernet cable until it clicks and locks in place.

• There is no problem with the Ethernet cable.

If there is any problem, replace the Ethernet cable.

• Check the communication mode with the hub.

Although the printer normally detects the hub communication mode and transmission rate automatically (in auto negotiation mode), sometimes the hub settings cannot be detected. In this case, configure the connection method manually, specifying the communication mode in use.

# **Cannot Print over TCP/IP Network**

# A

Check1 Is the printer's IP address configured correctly?

Make sure the printer's IP address is configured correctly.

#### >>>> Note

• For Windows, you can configure the printer's IP address using IJ Network Device Setup Utility.

- For wired LAN:
  - Performing/Changing Wired LAN Settings
- For wireless LAN:
  - Performing/Changing Wireless LAN Settings

Check2 Are the printer's TCP/IP network settings configured correctly?

Make sure the printer's TCP/IP network settings are configured correctly.

Check3 Is the computer you are trying to print from configured correctly?

Make sure the computer's TCP/IP network settings are configured correctly.



Check1 Is the computer you are trying to print from configured correctly?

Make sure the computer is configured correctly.

Check2 Are the computer and printer on the same network?

Due to the nature of Bonjour, printing may not be possible if the printer is on another network behind a router. Make sure the computer and printer are on the same network. For information about network settings, ask your network administrator.

# **Cannot Find Printer on Network**

- Cannot Find Printer on Check Printer Settings Screen (Windows)
- > Cannot Proceed beyond Printer Connection Screen/Connect Cable Screen
- Searching Printer by IP Address or Host Name During Setup



# **Cannot Find Printer on Check Printer Settings Screen (Windows)**



If the printer cannot be found and the **Check Printer Settings** screen appears after searching the printer by **Automatic search** on the **Search for Printers** screen, click **Redetect** and search for the printer again by the IP address on the **Search for Printers** screen.

If the printer has not been found after searching it by the IP address, check network settings.

The printer could not be detected on the network.	
If the printer's network setup has not been completed, complete network setup, and then click Redetect. To learn how to set up the network, click Instructions.	the
Wreless LAN Setup Information	
	_
	To learn how to set up the network, click Instructions.

# Q,

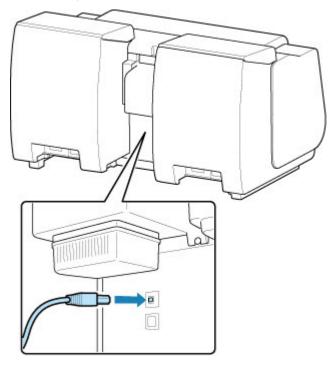
# Cannot Proceed beyond Printer Connection Screen/Connect Cable Screen



If you cannot proceed beyond the **Printer Connection** screen or the **Connect Cable** screen, check the following.

Check1 Make sure USB cable is securely plugged in to printer and computer.

Connect the printer and the computer using a USB cable as the illustration below. The USB port is located at the back of the printer.



Check the items below only if you cannot proceed beyond the Printer Connection screen.

Check2 Follow procedure below to connect printer and computer again.

Important

• For Mac OS, make sure the lock icon is on the lower left of the **Printers & Scanners** screen (**Print & Scan** screen in Mac OS X v10.8 or Mac OS X v10.7).

If the *icon* (locked) is displayed, click the icon to unlock. (The administrator name and the password are necessary to unlock.)

- 1. Turn off printer.
- 2. Unplug USB cable from printer and computer and connect it again.

3. Turn on printer.

Check3 If you cannot resolve problem, follow procedure below to reinstall printer driver.

- For Windows:
  - 1. Click Cancel.
    - If the Installation Failure screen appears:
      - 1. Click Start Over.
      - 2. Click Exit on Start Setup screen and finish setup.
    - If the Connection failed. screen appears:
      - 1. Click Next.
      - 2. Click **Next** on displayed screen.
      - 3. Click Back to Top on Select Printer screen.
      - 4. Click Exit on Start Setup screen and finish setup.
  - 2. Turn off printer.
  - 3. Restart computer.
  - 4. Make sure you have no application software running.
  - 5. Redo setup according to instructions on Canon website.

#### Dete Note

• You can use the Setup CD-ROM to redo setup.

- For Mac OS:
  - 1. Click Next.
  - 2. Click Exit on displayed screen and finish setup.
  - 3. Turn off printer.
  - 4. Restart computer.
  - 5. Make sure you have no application software running.
  - 6. Redo setup according to instructions on Canon website.

# Searching Printer by IP Address or Host Name During Setup

If the printer cannot be found on the **Select Printer** screen, search for the printer by an IP address or host name. Select **Specify the IP address and run the search** radio button and click **Next**. The screen to select searching criteria appears.

1. Check printer's IP address or host name.

To check the printer's IP Address or host name, print out the network settings information or use the operation panel to display it.

- Display on the touch screen.
  - LAN settings
- Print the network settings.
  - Printing Network Settings

$\Sigma$	Ν	o	te

• If you use the printer in an office, ask the network administrator.

2. Specify searching method.

Select one of the method below.

	Canon #80-1000
1. 2	0 0
inter Search Method Selection	
Search by IPv4 address	
◯ Search by IPv6 address	
O Search by host name	
<u></u>	
To specify an IP address and run the searc	ch, you must assign an IP address to the printer beforehand. For more details,
click [Online Manual].	
click [Online Manual].	Online Manual

#### 1. Search by IPv4 address

Select to search for printers by IPv4 address.

#### 2. Search by IPv6 address

Select to search for printers by IPv6 address.

#### 3. Search by host name

Select to search for printers by host name. A host name is referred to as LLMNR host name or Bonjour name.

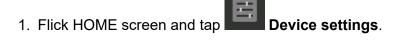
3. Enter IP address or host name and click Next.

Printer search starts.

#### If an error screen appears:

Resolve the error according to the instruction on the screen.

If the IP address you entered is already used for another device, follow the procedure below to specify printer's IP address.



Menu Operations

2. Tap LAN settings.

If you specify the administrator password, enter the password.

3. Tap Other settings.

#### 4. Tap TCP/IP settings.

If you specify IPv4 address:

- 1. Tap **IPv4**.
- 2. Tap **OK** on the displayed screen.
- 3. Tap IP address.
- 4. Tap Manual setup.

Tapping Auto setup specifies the IP address automatically.

- 5. Enter IP address.
- 6. Tap **OK**.
- 7. Enter subnet mask.
- 8. Tap **OK**.
- 9. Enter default gateway.
- 10. Tap **OK**.

The IPv4 address has been specified.

#### If you specify IPv6 address:

- 1. Tap **IPv6**.
- 2. Tap **OK** on the displayed screen.
- 3. Tap Enable/disable IPv6.

#### 4. Tap Enable.

The IPv6 address has been specified.

#### Important

• If firewall is enabled on the computer, printers on a different subnet may not be detected. Disable firewall.

#### If firewall interferes with printer search:

#### · If message appears:

If a message appears warning that Canon software is attempting to access the network, set the security software to allow access.

After allowing the software to access, specify the IP address or host name and search for printers again.

If the printer is found, follow the instructions on the screen to continue to set up the network communication.

#### If no message appears:

Cancel searching printers, and then set the security software to allow Canon software below to access the network.

• For Windows:

Setup.exe or Setup64.exe in the win > Driver > DrvSetup folder on the Setup CD-ROM

• For Mac OS:

#### Setup.app, canonijnetwork.bundle, cnwidsd.plugin, cnwidss.plugin

After setting the security software, specify the IP address or host name and search for printers again.

#### >>>> Note

• For more on firewall settings of your operating system or security software, see instruction manual or contact its manufacturer.

# **Installation Problems**

• Removing Printer Software

# Q> Removing Printer Software

Follow the steps below to remove utility software installed on the computer.

#### >>>>Important

• You must log in as an administrator or have administrator permissions.

#### >>>Note

- See the pages below for how to remove printer drivers.
  - ➡ <u>Deleting the Unnecessary Printer Driver</u> (Windows)
  - → Delete the Unnecessary Canon IJ Printer from the Printer List (Mac OS)

## Removing the IJ Network Device Setup Utility (Windows)

Follow the steps below to remove the IJ Network Device Setup Utility.

- Windows 10
  - 1. Right-click the start button and open Control Panel.
  - 2. Under **Programs**, select **Programs and Features**, select IJ Network Device Setup Utility from the list of programs, and then click **Uninstall**.
- Windows 8.1 and Windows 8
  - 1. Use the Settings charm on the desktop to open the Control Panel.
  - 2. Under **Programs**, select **Programs and Features**, select IJ Network Device Setup Utility from the list of programs, and then click the **Uninstall** button.
- Windows 7 and Windows Vista
  - 1. Select Control Panel from the start menu.
  - 2. Select Uninstall a program.
  - 3. Select IJ Network Device Setup Utility, and then click the Uninstall button.

#### Note

• If the User Account Control dialog box is displayed, click Yes.

# **Other Problems**

- The printer does not turn on
- The printer takes time to start up
- If the Printer Makes a Strange Sound
- Messages advising to check the maintenance cartridge are not cleared
- The printer consumes a lot of ink
- Printed pages are not collected cleanly in the basket
- Basket Lurches
- When Trim edge first is set, the trimmed paper is drawn into the roll unit
- Ink Level Detection

# Q> The printer does not turn on

# A

Check 1

Is the power cord plugged in?

Plug the power cord into the outlet, and then turn on the printer.

Check 2

Is the specified voltage being supplied?

Check the voltage of the outlet and breaker.

➡ <u>Specifications</u>

# The printer takes time to start up

A The printer may have shut down incorrectly last time. This may happen after power outages or if the printer is unplugged before it is turned off.

In this case, the next time power is restored, the printer's hard disk is checked, and startup may take some time.

Please wait a while, because it may take several minutes to finish checking the hard disk.

If an error message is displayed after the hard disk check, follow the instructions indicated to resolve the problem.

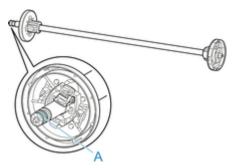
# **Q** If the Printer Makes a Strange Sound

# A

#### Check 1

#### Has an unusual noise been produced from the vicinity of the roll holder?

If dust accumulates on the gear (A) at the end of the roll holder, a noise may produced from that area.



When the noise starts, clean the gear with the following procedure.

- 1. Remove the roll holder from the printer.
- 2. Wipe the dust off the gear with a damp, tightly wrung cloth, and then dry with a dry cloth.
- 3. Insert the roll holder in the printer.

#### Check 2

Operating noise may be heard from the printer even when not printing.

The following sounds do not indicate a problem with the printer.

• A suction sound can be heard from the platen

To prevent the paper from rising, the surface of the platen has vacuum holes that create suction on the paper.

• Roll paper makes a fluttering sound during printing.

There may be a fluttering sound when large paper is advanced.

• You suddenly hear the sound of cleaning operations.

Cleaning is automatically performed at specified intervals in order to keep the printer maintained.

• You suddenly hear the sound of ink agitation.

Ink is automatically agitated after specified intervals to maintain optimal print quality. Agitation takes approximately 1 minute 30 seconds.

Ink is also agitated automatically at the following times. Please note that no other operations can be performed while "**Agitating the ink**" is on the touch screen.

- $\,\circ\,$  After the printer is turned on
- After data transmission
- After ink tank replacement

In other cases, contact your Canon dealer.

# Q,

# Messages advising to check the maintenance cartridge are not cleared

A The newly replaced maintenance cartridge is not recognized.

Remove the newly replaced maintenance cartridge, and then reinsert it again firmly.

➡ <u>Replacing the Maintenance Cartridge</u>

# **Q**<br/> The printer consumes a lot of ink



#### Check 1

#### Are lots of full-color materials being printed?

In print jobs such as photos, images are filled with color. This consumes a lot of ink. This does not indicate a problem with the printer.

#### Check 2

#### Is System cleaning being carried out frequently?

**System cleaning** uses a lot of ink. This is normal. We recommend that you only carry out **System cleaning** after the printer has been transported, if has not been used for a long time, or if there is a problem with the print head.

#### Check 3

You have just finished initial installation, when more ink is consumed to fill the system.

If using the printer for the first time, or using it after transport, the ink tank will supply an initial fill of ink to the print head.

Although the amount of remaining ink may drop as a result, it does not indicate a problem.

Check 4

#### Is the print head nozzle blocked?

Check for nozzle clogging.

Checking for Nozzle Clogging



# Printed pages are not collected cleanly in the basket



#### Check 1

Is the roll unit in place?

The basket may not be able to catch printed paper properly if the roll unit is in place.

Refer to Example Basket Configurations and try another basket position.

#### Example Basket Configurations

#### Check 2

#### Is the basket in the right position for the media type and size?

The optimal basket position depends on factors such as media type and size and the conditions the printer is being used under.

Refer to Example Basket Configurations and try another basket position.

Example Basket Configurations

# Q,

# When Trim edge first is set, the trimmed paper is drawn into the roll unit



Check

Is the basket in position 1?

If the roll unit is being used as a paper feeder and the basket is in position 1, the paper strip discarded by **Trim edge first** for borderless printing or paper loading may get drawn into the roll unit.

In this situation, refer to Example Basket Configurations and try another position.

Example Basket Configurations

# Q> Ink Level Detection

A The printer ink tank detects the amount of ink remaining to prevent running out of ink while printing and to avoid printer failure.

#### 🕩 <u>Ink Tanks</u>

When using an ink tank refilled with ink, the function for detecting the remaining ink level may not operate properly and printing may stop. If you want to use an ink tank refilled with ink, you need to disable the function for detecting the remaining ink level.

Printing with the ink level detection canceled may lead to printer damage and printing problems. Canon Inc. is not liable for any damage that may occur as a result of refilling ink.

#### >>>>Important

- Once the function for detecting the remaining ink level is disabled, it cannot be restored for that ink tank. To restore the function for detecting the remaining ink level, replace the ink tank with a new ink tank for that printer.
- Repeatedly removing and inserting the same ink tank can cause the contacts between the ink tank and printer to malfunction, ink may leak from the ink tank, and the printer may become damaged.

## **Releasing ink level detection**

Ink level detection will be deactivated if you load ink tanks once emptied.

If The above ink tank may be an ink tank that ran out of genuine Canon ink or a counterfeit Canon ink tank. appears on the touch screen, follow the steps below.

- 1. Move through the screens, performing the actions described in the messages that appear on the touch screen.
- 2. If an instruction to disable detection of remaining ink appears on the touch screen, hold down the **Stop** button for at least 5 seconds and then release it.

Ink level detection is now released.

# List of Support Code for Error

Support codes appear on the PC when an error occurs.

Support codes are error identification numbers that appear alongside error messages.

If an error occurs, check the support code and follow the recommended steps to resolve the issue.

#### Support code displayed

• 1000 - 1ZZZ <u>1005 100A 100B 100E 100F 1012</u> <u>1018 1019 1021 1022 1023 1024</u> <u>1025 1051 1052 1054 1055 1056</u> <u>1057</u> <u>1061</u> <u>1200</u> <u>1201</u> <u>1210</u> <u>1213</u> <u>1214 1300 1306 1317 1318 1322</u> <u>1323</u> <u>1324</u> <u>1325</u> <u>1401</u> <u>1403</u> <u>1408</u> <u>1409</u> <u>140A</u> <u>140B</u> <u>140C</u> <u>140F</u> <u>1477</u> <u>1478 1480 1481 1485 1492 1494</u> <u>1495 1500 1551 1552 1570 1571</u> <u>1660</u> <u>168B</u> <u>1720</u> <u>1721</u> <u>1722</u> <u>1730</u> <u>1731</u> <u>1752</u> <u>1753</u> <u>1756</u> <u>1757</u> <u>1875</u> • 2000 - 2ZZZ <u>2001</u> <u>2002</u> <u>2130</u> <u>2131</u> <u>2132</u> • 3000 - 3ZZZ <u>3000</u> <u>3001</u> <u>3101</u> <u>3200</u> <u>3201</u> <u>3250</u> <u>3306</u> <u>3311</u> <u>3312</u> <u>3313</u> <u>3314</u> <u>3315</u> <u>3316</u> <u>3317</u> <u>3330</u> <u>3331</u> <u>3332</u> <u>3333</u> <u>3334</u> <u>3335</u> <u>3336</u> <u>3340</u> <u>3341</u> <u>3350</u> <u>3351</u> <u>3352</u> <u>3414</u> <u>3415</u> <u>3416</u> <u>3417</u> <u>3418</u> <u>3419</u> <u>3420</u> <u>3421</u> <u>3422</u> <u>3423</u> <u>3424</u> • 4000 - 4ZZZ

• 5000 - 5ZZZ

 $\underline{5106} \ \underline{5200} \ \underline{5A60} \ \underline{5A61} \ \underline{5B16} \ \underline{5B20}$ 

<u>5B21</u> <u>5C00</u>

#### • 6000 - 6ZZZ

 6502
 6700
 6702
 6820
 6900
 6901

 6902
 6910
 6911
 6920
 6921
 6930

 6931
 6932
 6933
 6940
 6941
 6942

 6943
 6944
 6945
 6946

• 7000 - 7ZZZ

 $\underline{7001} \ \underline{7003} \ \underline{7004} \ \underline{7050} \ \underline{7051} \ \underline{7052}$ 

• 8000 - 8ZZZ

<u>8200</u>

• 9000 - 9ZZZ

<u>9000</u> <u>9110</u>

• A000 - ZZZZ

<u>B20A</u> <u>B510</u>

#### Cause

You have attempted to print on a sheet, but no sheet is loaded.

# What to Do

Check the media size and type for the print job on the touch screen, and then tap OK.

- Continuing to print
   Tap Load paper., and then load the paper.
  - ➡ Loading and Printing on Sheets
- Stopping printing
   To stop printing, tap Cancel on the touch screen or press the Stop button.

# 100A

#### Cause

You have attempted to print on a roll, but no roll is loaded.

## What to Do

Tap Load paper. on the touch screen, and then load the paper roll and print.

- ➡ Loading Rolls on the Roll Holder
- ➡ Loading the Upper Roll on the Printer

#### >>>Note

• To stop printing, tap **Cancel** on the touch screen or press the **Stop** button.

# 100B

#### Cause

Tried to print from Roll paper 2 but no paper roll has been loaded.

## What to Do

Tap Load paper. on the touch screen, and then load the paper roll and print.

- ➡ Loading Rolls on the Roll Holder
- ➡ Loading the Upper Roll on the Printer

## >>>>Note

• To stop printing, tap **Cancel** on the touch screen or press the **Stop** button.

# 100E

#### Cause

A printer error has occurred.

# What to Do

Turn the power off, wait a moment, and then turn the power back on.

If the error appears again, make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then turn off the power and contact a Canon customer service center.

#### **Detailed error codes**

EC16-202E

# 100F

## Cause

A printer error has occurred.

# What to Do

Turn the power off, wait a moment, and then turn the power back on.

If the error appears again, make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then turn off the power and contact a Canon customer service center.

#### **Detailed error codes**

EC21-2F6D

#### Cause

You have attempted to print on a sheet, but no sheet is loaded.

## What to Do

Tap Load paper. on the touch screen, and then load cut paper and print.

➡ Loading and Printing on Sheets

# >>>Note

• To stop printing, tap **Cancel** on the touch screen or press the **Stop** button.

# Cause

The Roll paper 1 feeder has not been calibrated.

# What to Do

Calibrating, please remove the upper roll holder.

# Cause

The roll unit feeder has not been calibrated.

# What to Do

Calibrating, please remove the roll unit roll holder.

#### Cause

The printer has received a print job longer than the amount of roll paper left.

## What to Do

Continuing to print

To continue printing, tap **Print with the loaded paper.** on the touch screen.

However, the roll paper may run out during the print job and you may not be able to print all of the document.

Replacing paper

Tap **Replace the paper and print** on the touch screen.

Change the **Paper Source** in the printer driver, or replace the paper with paper of the right length for the print job, and then try again.

If using the Media Take-up Unit, tap Cancel on the touch screen to stop printing.

Remove the printed paper from the Media Take-up Unit, replace the paper with paper of the right length for the print job, and then try again.

- Removing the Upper Roll from the Printer
- ➡ Loading the Upper Roll on the Printer
- Removing Printed Paper from the Roll Unit

#### Stopping printing

To stop printing, tap **Cancel** on the touch screen or press the **Stop** button.

#### Cause

Received a print job that is longer than the paper length remaining on **Roll paper 1**.

## What to Do

Continuing to print

To continue printing, tap **Print with the loaded paper.** on the touch screen.

However, the roll paper may run out during the print job and you may not be able to print all of the document.

#### Replacing paper

Tap **Replace the paper and print** on the touch screen.

Change the **Paper Source** in the printer driver, or replace the paper with paper of the right length for the print job, and then try again.

If using the Media Take-up Unit, tap Cancel on the touch screen to stop printing.

Remove the printed paper from the Media Take-up Unit, replace the paper with paper of the right length for the print job, and then try again.

- Removing the Upper Roll from the Printer
- ➡ Loading the Upper Roll on the Printer
- Removing Printed Paper from the Roll Unit

#### Stopping printing

To stop printing, tap **Cancel** on the touch screen or press the **Stop** button.

#### Cause

Received a print job that is longer than the paper length remaining on **Roll paper 2**.

## What to Do

Continuing to print

To continue printing, tap **Print with the loaded paper.** on the touch screen.

However, the roll paper may run out during the print job and you may not be able to print all of the document.

#### Replacing paper

Tap **Replace the paper and print** on the touch screen.

Change the **Paper Source** in the printer driver, or replace the paper with paper of the right length for the print job, and then try again.

- ➡ <u>Removing the Lower Roll from the Roll Unit (Option)</u>
- ➡ Loading the Lower Roll on the Roll Unit (Option)

#### Stopping printing

To stop printing, tap **Cancel** on the touch screen or press the **Stop** button.

#### Cause

Possible causes include the following.

- The roll is empty.
- There is remaining roll paper, but because it could not be advanced, it could not be detected.

## What to Do

• The roll paper has run out

Follow the steps below to replace the used roll with a new roll of the same type and size.

- 1. Lift up the release lever and remove the roll paper.
  - Removing the Upper Roll from the Printer
  - Removing Rolls From the Roll Holder
- 2. Load the new roll.
  - ➡ Loading Rolls on the Roll Holder
  - ➡ Loading the Upper Roll on the Printer
- 3. If no barcode was printed on the roll, specify the paper type.
  - Changing the Type of Paper
- 4. If **Manage remaining roll amount** is set to **Enable** in the touch screen menu and there is no barcode printed on the paper roll, set the paper length.

Specifying the Paper Length

- 5. If "There is a job whose printing is not complete. Do you want to print this job?" appears on the touch screen, tap Yes. Printing will resume, starting from the page on which the error occurred.
- Feed stopped because the end of the paper roll is attached to the core with tape Remove the used roll paper and insert a new roll paper.
  - Removing the Upper Roll from the Printer
  - Removing Rolls From the Roll Holder
  - Loading and Printing on Rolls
- Feed stopped because the remaining paper roll is too heavy

It may be helpful to change the printing mode, which will change the paper feed timing.

If using Windows, select a higher **Print Quality** setting under **Advanced Settings** in the printer driver.

If using Mac OS, select **Quality & Media** in the printer driver, and then select a higher **Print Quality** setting.

- Setting the Print Quality Level (Custom) (Windows)
- Setting the Print Quality Level (Custom) (Mac OS)



• To stop printing, press the **Stop** button.

#### Cause

Roll paper 2 is empty.

### What to Do

Follow the steps below to replace the used roll with a new roll of the same type and size.

- 1. Lift up the release lever and remove the roll paper.
  - Removing the Lower Roll from the Roll Unit (Option)
  - Removing Rolls From the Roll Holder
- 2. Load the new roll.
  - ➡ Loading Rolls on the Roll Holder
  - ➡ Loading the Lower Roll on the Roll Unit (Option)
- 3. If no barcode was printed on the roll, specify the paper type.
  - Changing the Type of Paper
- 4. If **Manage remaining roll amount** is set to **On** in the touch screen menu and there is no barcode printed on the paper roll, set the paper length.

Specifying the Paper Length

5. If "There is a job whose printing is not complete. Do you want to print this job?" appears on the touch screen, tap Yes. Printing will resume, starting from the page on which the error occurred.

#### >>>Note

• To stop printing, press the **Stop** button.

## Cause

The media type specified in the printer driver is not the same as the media type loaded in the printer.

## What to Do

#### Cause

The width of the roll paper set in **Fit Roll Paper Width** in the printer driver is not the same as the width of the roll paper loaded in the printer.

#### What to Do

## Cause

The paper in the printer is smaller than the paper size set in the printer driver.

## What to Do

## Cause

The paper size in the printer cannot be printed borderless.

## What to Do

## Cause

The paper position is not suitable for borderless printing.

## What to Do

## Cause

The paper position is not suitable for borderless printing.

## What to Do

#### Cause

The media type specified in the printer driver is not the same as the media type loaded in the printer.

### What to Do

Tap **OK** on the touch screen.

Make sure that the media type that appears on the touch screen is the same as the media type that has been loaded, and then tap **OK**.

Printing again

Follow the steps below to match the media type in the printer driver and the media type specified for the printer.

- 1. Tap **Cancel** on the touch screen to stop printing.
- 2. Change the media type in the printer driver settings to the media type loaded in the printer, and then try again.
- Replacing paper

Follow the steps below to match the media type in the printer driver and the media type specified for the printer.

- 1. Tap **Replace the paper and print** on the touch screen.
- 2. Load the printer with the media type specified in the printer driver.
  - Loading and Printing on Rolls
  - ➡ Loading and Printing on Sheets
- Printing without changes

To continue printing, tap **Print with the loaded paper.** on the touch screen.

However, note that this error may cause paper jams and affect the printing quality.

#### Cause

Top cover or print head locking cover is open.

### What to Do

Open the top cover and make sure the print head locking cover is closed properly.

Make sure there are no foreign objects caught in the top cover, and then close the top cover.

If this error appears again, close the top cover, turn the power off, wait a moment, and then turn the power back on.

#### >>>Note

• If installing a print head, close the top cover after finishing.

## Cause

The ink tank cover is open.

## What to Do

Close the ink tank cover.

### Cause

The ink tank cover is open.

## What to Do

Close the ink tank cover.

## Cause

The release lever is raised.

### What to Do

Lower the release lever.

If the error occurs again, turn off the printer and wait a while before restoring power.

#### Cause

A printer error has occurred.

## What to Do

Turn the power off, wait a moment, and then turn the power back on.

If the error appears again, make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then turn off the power and contact a Canon customer service center.

#### **Detailed error codes**

EC19-2F21 EC51-2F38

#### Cause

Paper jammed inside the printer while printing.

### What to Do

- 1. Release the release lever and remove the jammed paper.
  - Clearing Jammed Roll Paper
  - Clearing a Jammed Sheet
- 2. Load the paper.
  - ➡ Loading the Upper Roll on the Printer
  - ➡ Loading Sheets in the Printer
- 3. If "There is a job whose printing is not complete. Do you want to print this job?" appears on the touch screen, tap Yes.

Printing will resume, starting from the page on which the error occurred.

#### Cause

A print job for rolls was received when a sheet is loaded.

## What to Do

Follow these steps to load and print on a roll.

- 1. To remove the cut paper, tap **Remove paper** on the touch screen.
  - Removing Sheets
- 2. Load a new roll.
  - ➡ Loading the Upper Roll on the Printer

#### >>>Note

• To stop printing, tap **Cancel** on the touch screen or press the **Stop** button.

#### Cause

Paper loaded crooked was detected when the paper was advanced.

### What to Do

Lift up the release lever and reload the paper.

- ➡ Loading the Upper Roll on the Printer
- ➡ Loading the Lower Roll on the Roll Unit (Option)
- ➡ Loading Sheets in the Printer

If this error appears again even after reloading the paper roll, remove the roll holder from the printer, insert the paper roll firmly into the roll holder until it is up against the flange, and then insert the roll holder into the printer.

➡ Loading Rolls on the Roll Holder

#### >>>Important

If this message continues to appear even after taking the steps above, or if you do not want this
message to appear, set Skew detection accuracy in the printer menu to Off or Loose. However,
note that the paper will be printed skewed, which could cause paper jams and abnormal print results,
or dirty the platen and the reverse of the next printed sheet.

#### Cause

A printer error has occurred.

## What to Do

Turn the power off, wait a moment, and then turn the power back on.

If the error appears again, make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then turn off the power and contact a Canon customer service center.

#### **Detailed error codes**

EC0F-2F93

#### Cause

Cannot detect paper size because paper is not in the correct position or because curled paper has been loaded.

#### What to Do

Lift up the release lever and reload the paper.

- Loading the Upper Roll on the Printer
- ➡ Loading the Lower Roll on the Roll Unit (Option)
- ➡ Loading Sheets in the Printer

If "There is a job whose printing is not complete. Do you want to print this job?" appears on the touch screen, tap Yes.

Printing will resume, starting from the page on which the error occurred.

#### >>>Note

• If this error appears again even after reloading the paper roll, remove the roll holder from the printer, insert the paper roll firmly into the roll holder until it is up against the flange, and then insert the roll holder into the printer.

Loading Rolls on the Roll Holder

• This error might also appear if the platen has been dirtied by ink or another substance, or if the size of clear film could not be detected. In this case, open the top cover and clean the entire platen area.

Cleaning Inside the Top Cover

#### Cause

An unsuitable paper size has been loaded.

## What to Do

Lift up the release lever and reload paper of suitable size.

#### ➡ Paper Sizes

#### >>>Note

• Load unused A4/letter size or larger paper if printing calibration and nozzle check patterns. Each calibration may take several sheets of paper.

#### Cause

A print job for printing on sheets was sent when a roll is loaded.

## What to Do

Follow the steps below to print again.

- 1. Tap **Remove paper** on the touch screen to stop printing.
- 2. Remove the paper roll, load cut paper of the size and type specified in the printer driver, and then try again.
  - Removing the Upper Roll from the Printer
  - ➡ Loading and Printing on Sheets

#### >>>Note

• To stop printing, tap **Cancel** on the touch screen or press the **Stop** button.

#### Cause

Received cut paper print data when using roll paper on roll equipment.

## What to Do

Follow the steps below to print again.

- 1. Tap **Cancel** on the touch screen to stop printing.
- 2. Remove the paper roll, load cut paper of the size and type specified in the printer driver, and then try again.
  - ➡ Removing Printed Paper from the Roll Unit
  - Loading and Printing on Sheets

## Cause

Failed to recognize print head.

## What to Do

Open the top cover and reattach the print head.

➡ <u>Replacing the Print Head</u>

#### Cause

There is a problem with the print head.

## What to Do

Tap **OK** on the touch screen, and then replace the current print head with a new one.

➡ <u>Replacing the Print Head</u>

#### Cause

There is a problem with the print head.

## What to Do

Tap **OK** on the touch screen, and then replace the current print head with a new one.

➡ <u>Replacing the Print Head</u>

#### Cause

There is a problem with the print head.

## What to Do

Tap **OK** on the touch screen, and then replace the current print head with a new one.

➡ <u>Replacing the Print Head</u>

## 140A

#### Cause

There is a problem with the print head.

### What to Do

Tap **OK** on the touch screen, and then replace the current print head with a new one.

➡ <u>Replacing the Print Head</u>

# 140B

## Cause

Failed to recognize print head.

## What to Do

Open the top cover and reattach the print head.

➡ <u>Replacing the Print Head</u>

# 140C

## Cause

There is a problem with the print head.

## What to Do

Turn off the power, wait a moment, and then turn it back on.

## 140F

#### Cause

There is a problem with the print head.

### What to Do

Tap **OK** on the touch screen, and then replace the current print head with a new one.

➡ <u>Replacing the Print Head</u>

## Cause

There is a problem with the print head.

## What to Do

Open the top cover and replace theprint head with a new one.

➡ <u>Replacing the Print Head</u>

#### Cause

There is a problem with the print head.

## What to Do

Tap **OK** on the touch screen, and then replace the current print head with a new one.

➡ <u>Replacing the Print Head</u>

## Cause

The attached print head was previously used in a different model.

## What to Do

Attach the correct print head.

➡ <u>Replacing the Print Head</u>

## Cause

The attached print head was previously used in a model that uses a different ink set.

## What to Do

Attach the correct print head.

➡ Replacing the Print Head

## Cause

Cannot use attached print head.

## What to Do

Attach the correct print head.

➡ <u>Replacing the Print Head</u>

#### Cause

A printer error has occurred.

## What to Do

Turn the power off, wait a moment, and then turn the power back on.

If the error appears again, make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then turn off the power and contact a Canon customer service center.

#### **Detailed error codes**

EC3F-2F40 EC3F-2F41

#### Cause

There may be a problem with the print head.

## What to Do

Turn off the power, wait a moment, and then turn it back on.

If the error appears again, remove and reattach the print head.

Replacing the Print Head

If that does not get rid of the error, replace the print head with a new one.

#### Cause

The print head nozzle is blocked.

#### What to Do

Follow the steps below to clean the print head.

- 1. Tap **Cancel** on the touch screen to stop printing.
- 2. Clean the print head.
  - ➡ Cleaning the Print Head

If this message still appears when printing, replace the print head.

➡ Replacing the Print Head

#### >>>Important

• To continue printing, use the touch screen and tap **Continue printing**. However, the print results may not be satisfactory.

#### Cause

The ink in the ink tank is running low.

## What to Do

Prepare a new ink tank.

### Cause

A genuine Canon ink tank with a history of past use has been detected.

### What to Do

To dismiss the message, tap **OK** on the touch screen.

### Cause

A genuine Canon ink tank has been inserted.

### What to Do

To dismiss the message, tap **OK** on the touch screen.

#### Cause

The ink in the ink tank has run out.

### What to Do

Open the ink tank cover, and then replace the ink tank before the ink in the sub-ink tank of this printer becomes insufficient.

Replacing Ink Tanks

#### >>>Note

• You can replace the ink tank even while printing.

#### Cause

Ink tank removed during printing.

## What to Do

If replacing the ink tank, insert a new ink tank.

Replacing Ink Tanks

#### Cause

Ink tank not inserted.

## What to Do

Insert the ink tank correctly.

➡ <u>Replacing Ink Tanks</u>

# 168B

### Cause

The ink tank cannot be recognized.

Printing cannot be executed because the ink tank may not be compatible with this printer.

### What to Do

Install the appropriate ink tank.

### Cause

The maintenance cartridge is full. It needs to be replaced.

#### What to Do

Replace the maintenance cartridge.

➡ <u>Replacing the Maintenance Cartridge</u>

### Cause

The maintenance cartridge is not installed.

### What to Do

Install the maintenance cartridge.

Replacing the Maintenance Cartridge

#### Cause

Incorrect type of maintenance cartridge.

### What to Do

Insert the correct maintenance cartridge.

➡ <u>Replacing the Maintenance Cartridge</u>

If this error continues to appear, contact a Canon customer service center.

#### Cause

The ink tank may be an ink tank that ran out of genuine Canon ink or a counterfeit Canon ink tank.

### What to Do

To print, you must replace the ink tank or disable the function for detecting the remaining ink level.

To disable the function for detecting the remaining ink level, press and hold the printer's **Stop** button for at least 5 seconds, and then release it.

By this operation, the fact that you have disabled the function for detecting the remaining ink level will be memorized. Please be advised that Canon shall not be liable for any malfunction or trouble caused by continuation of printing under the ink out condition or by using refilled ink tanks.

#### >>>Note

• If the function for detecting the remaining ink level is disabled, the ink tank in gray is displayed on the LCD when checking the current ink level.

To report the counterfeit ink tank, access Canon website from the following link.

➡ Report Counterfeit

#### Cause

Non-genuine Canon ink tank has been detected.

### What to Do

To print, you must replace the ink tank or disable the function for detecting the remaining ink level.

To disable the function for detecting the remaining ink level, press and hold the printer's **Stop** button for at least 5 seconds, and then release it.

By this operation, the fact that you have disabled the function for detecting the remaining ink level will be memorized. Please be advised that Canon shall not be liable for any malfunction or trouble caused by using a non-genuine Canon ink tank.

#### >>>Note

• If the function for detecting the remaining ink level is disabled, the ink tank in gray is displayed on the LCD when checking the current ink level.

To report the counterfeit ink tank, access Canon website from the following link.

➡ Report Counterfeit

### Cause

The ink has run out.

### What to Do

Open the ink tank cover, and then replace the ink tank.

Replacing Ink Tanks

#### Cause

The remaining level of the ink cannot be correctly detected.

#### What to Do

Replace the ink tank. Printing will restart.

Replacing Ink Tanks

An ink tank that was once empty is installed.

If you want to continue printing, you need to disable the function for detecting the remaining ink level.

To disable this function, press and hold the printer's **Stop** button for at least 5 seconds, and then release it.

By this operation, the fact that you have disabled the function for detecting the remaining ink level will be memorized.

Please be advised that Canon shall not be liable for any malfunction or trouble caused by continuation of printing under the ink out condition or by using refilled ink tanks.

### Cause

The ink may become insufficient.

### What to Do

To perform the next process or to continue the specified process, replace the ink tank.

Replacing Ink Tanks

#### Cause

Cannot fill ink reserve tank.

#### What to Do

Check the touch screen, remove the ink tank for the affected color, and then reinsert it.

If the inserted ink tank is empty, replace it with a new ink tank.

Replacing Ink Tanks

### Cause

Attempted to print on roll unit roll paper, but roll unit is not powered on or has been removed.

### What to Do

Turn off the power and check the connection with the roll unit.

➡ <u>Roll Unit</u>

➡ Switching Roll Unit Modes

### Cause

An incompatible device is connected.

### What to Do

Check the device connected to the USB flash drive port.

Only USB flash drive can be connected to this device for direct printing.

#### Cause

An incompatible USB hub is connected.

### What to Do

If USB flash drive is connected to this device through a USB hub, remove the USB hub. Connect the USB flash drive directly to this device.

#### Cause

The roll paper width set in the print job is not the same as the width of the roll paper in the printer.

#### What to Do

Tap **OK** on the touch screen.

Check the Page size and Type in the print job that appears on the touch screen, and then tap OK.

Continuing to print
 Tap **Print with the loaded paper.** to go ahead and print on the loaded paper.

However, note that this error may cause paper jams and affect the printing quality.

- Replacing the paper roll and printing
   Tap Replace the paper and print, and then replace the paper with roll paper of the width specified in the print job Page size settings.
  - Removing the Upper Roll from the Printer
  - Removing the Lower Roll from the Roll Unit (Option)
  - Removing Rolls From the Roll Holder
  - Loading Rolls on the Roll Holder
  - Loading the Upper Roll on the Printer
  - Loading the Lower Roll on the Roll Unit (Option)
- Stopping printing

Tap Cancel on the touch screen or press the Stop button.

#### >>>Note

- To change print settings in Windows, select **Fit Roll Paper Width** in the printer driver and set the roll paper width in the dialog box that appears.
- To change print settings in Mac OS, open the printer driver and select **Fit Roll Paper Width**, and then set the roll paper width in that panel to the width of the paper loaded in the printer.
- To suppress this message, set **Detect paper setting mismatch** in the touch screen menu to **Do not detect**.
  - Menu Structure

#### Cause

The roll paper loaded in the printer is narrower than the roll paper width in the print job.

### What to Do

Check the Page size and Type in the print job that appears on the touch screen, and then tap OK.

• Continuing to print Tap **Print with the loaded paper.** to go ahead and print on the loaded paper.

However, note that this error may affect the printing quality.

- Replacing the paper roll and printing
   Tap Replace the paper and print, and then replace the paper with roll paper of the width specified in the print job Page size settings.
  - Removing the Upper Roll from the Printer
  - Removing the Lower Roll from the Roll Unit (Option)
  - Removing Rolls From the Roll Holder
  - Loading Rolls on the Roll Holder
  - Loading the Upper Roll on the Printer
  - Loading the Lower Roll on the Roll Unit (Option)
- Stopping printing

Tap **Cancel** on the touch screen or press the **Stop** button.

#### >>>Note

- To change print settings in Windows, select **Fit Roll Paper Width** in the printer driver and set the roll paper width in the dialog box that appears.
- To change print settings in Mac OS, open the printer driver and select **Fit Roll Paper Width**, and then set the roll paper width in that panel to the width of the paper loaded in the printer.
- To suppress this message, set **Detect paper setting mismatch** in the touch screen menu to **Do not detect**. However, note that this error may affect the printing quality.

Menu Structure

#### Cause

Cannot print internal printer data, such as test prints, for the following reasons.

- The paper roll loaded in the printer is too small.
- The cut paper loaded in the printer is the wrong size or type.

### What to Do

Roll

Tap **Replace the paper and print** on the touch screen, or lift up the release lever and replace the paper with paper of the correct size.

To stop printing, tap **Cancel** or press the **Stop** button.

Sheet

Lift up the release lever and load paper of the same size and type as the first page.

To stop printing, press the **Stop** button.

#### Cause

The print head has not been calibrated.

#### What to Do

Print head alignment is recommended.

➡ Adjusting the Print Head

#### >>>Note

• This message will appear until Print head alignment is carried out.

### Cause

The print head nozzle is becoming blocked.

#### What to Do

Check the printed materials.

If the printed materials are scratched, clean the print head.

➡ <u>Cleaning the Print Head</u>

#### Cause

Common Calibration or Unique Calibration is now recommended.

This message appears when the **Calibration guide setting** is set to **Enable** and any of the following apply.

- The printer is loaded with a media type not suitable for **Color Calibration**, and the specified conditions have been met since the last time **Common Calibration** was carried out.
- The printer is loaded with a media type suitable for Color Calibration, but there are no Color
   Calibration results for that media type and the specified conditions have been met since the last time
   Common Calibration was carried out.
- The printer is loaded with a media type suitable for **Color Calibration**, but there are no **Color Calibration** results for that media type and also no **Common Calibration** results.

#### What to Do

Carry out Common Calibration as needed.

Performing Color Calibration

#### >>>Note

- To suppress this message, set the **Calibration guide setting** in the touch screen menu to **Disable**.
  - Menu Structure

#### Cause

It is almost time to replace consumables for which service is required.

#### What to Do

This can used for a little while, until the message "**Part replacement needed.**" appears. Contact your Canon dealer for assistance.

### Cause

It is past the recommended time to replace consumables for which service is required.

### What to Do

Contact your Canon dealer for assistance.

#### Cause

The maintenance cartridge is almost full.

### What to Do

Prepare a new maintenance cartridge because an error may occur if you continue to use the printer while the maintenance cartridge is full.

➡ <u>Replacing the Maintenance Cartridge</u>

#### Cause

Media information cannot be recognized because the printer media information is corrupt.

#### What to Do

Start the Media Configuration Tool, and then recover the media information.

➡ Media Configuration Tool Guide (Windows)

➡ Media Configuration Tool Guide (Mac OS)

To set the **Media Configuration Tool** to recovery mode, open the **Media Configuration Tool**, select this device and then click **OK**.

Select and load the media information backup file.

If you do not have a media information backup file, contact a Canon customer service center.

### Cause

Incorrect print data. Illegal number of parameters.

### What to Do

Defective print data, please check the print results.

#### Cause

Incorrect print data.

Required items have been omitted.

### What to Do

Defective print data, please check the print results.

### Cause

Incorrect print data. Data out of range.

#### What to Do

Defective print data, please check the print results.

### Cause

Incorrect print data. Resolution value out of range.

#### What to Do

Defective print data, please check the print results.

### Cause

Incorrect print data.

Compression method value out of range.

### What to Do

Defective print data, please check the print results.

#### Cause

Incorrect print data.

Incorrect data formatting (color sequence, bit count).

### What to Do

Defective print data, please check the print results.

### Cause

Incorrect print data.

Illegal combination of resolution and image data format.

## What to Do

Defective print data, please check the print results.

If using printing software such as RIP (Raster Image Processor), contact the software manufacturer.

## Cause

Print data may be corrupt.

## What to Do

Check the print job.

## Cause

Print results may be abnormal as there is a large volume of print data.

## What to Do

Check the print job.

## Cause

Unsupported JPEG data format.

## What to Do

Print from a PC.

## Cause

Unsupported JPEG data format.

## What to Do

Print from a PC.

## Cause

PDF data is print protected.

## What to Do

Open the PDF file in Adobe Acrobat and make sure it can be printed.

## Cause

Corrupt PDF file.

## What to Do

Open the PDF file in Adobe Acrobat and check it. The file can also be printed from Adobe Acrobat.

## Cause

Fonts were substituted because the fonts in the PDF file are not embedded or installed.

## What to Do

Set the fonts used in the PDF file to be embedded, and then save again.

## Cause

Print data contains no image processing parameters.

## What to Do

Check the print job settings.

## Cause

Print data contains illegal image processing table.

## What to Do

Check the print job image processing table.

## Cause

Free space on the personal box on the printer hard disk is less than 1 GB.

## What to Do

Delete unneeded jobs stored in personal boxes.

➡ Deleting Saved Jobs

## Cause

100 jobs are stored in the Personal Box.

## What to Do

Delete any unneeded jobs saved in the personal box.

➡ Deleting Saved Jobs

### Cause

The printer hard disk is full, so the job will only be printed.

(The print job will not be saved to the hard disk.)

## What to Do

To save the print job, delete any unneeded jobs saved in the personal box.

Deleting Saved Jobs

### Cause

Communication with mail server failed.

## What to Do

Tap **OK** on the touch screen to dismiss the error.

Check that the address and port numbers of the sending mail server (SMTP server) are correct in the RemoteUI mail server settings.

#### ➡ Setting Mail Server

If this does not resolve the error, check the status of the mail server.

### Cause

Communication with mail server failed.

## What to Do

Tap **OK** on the touch screen to dismiss the error.

Check that the address and port numbers of the receiving mail server (POP3 server) are correct in the RemoteUI mail server settings.

#### ➡ Setting Mail Server

If this does not resolve the error, check the status of the mail server.

### Cause

Communication with mail server failed.

## What to Do

Tap **OK** on the touch screen to dismiss the error.

Check that the mail server and device secure connection (SSL) settings match.

Check the secure connection (SSL) settings in RemoteUI.

#### ➡ Setting Mail Server

Contact the mail server administrator to configure a secure connection (SSL) to the mail server.

#### Cause

Communication with mail server failed.

## What to Do

Tap **OK** on the touch screen to dismiss the error.

Check that the mail server and device secure connection (SSL) settings match.

Check the secure connection (SSL) settings in RemoteUI.

#### ➡ <u>Setting Mail Server</u>

Contact the mail server administrator to configure a secure connection (SSL) to the mail server.

### Cause

Communication with mail server failed.

## What to Do

Tap **OK** on the touch screen to dismiss the error.

Check that the sending mail server (SMTP server) is correctly configured in the RemoteUI mail server settings.

➡ Setting Mail Server

If this does not resolve the error, check the status of the mail server.

### Cause

Communication with mail server failed.

## What to Do

Tap **OK** on the touch screen to dismiss the error.

Check that the sending account and password are correctly configured in the RemoteUI mail server settings.

➡ Setting Mail Server

If this does not resolve the error, check the status of the mail server.

#### Cause

Communication with mail server failed.

## What to Do

Tap **OK** on the touch screen to dismiss the error.

Check that the receiving mail server (POP3 server) is correctly configured in the RemoteUI mail server settings.

➡ Setting Mail Server

If this does not resolve the error, check the status of the mail server.

#### Cause

Communication with mail server failed.

## What to Do

Tap **OK** on the touch screen to dismiss the error.

Check that the receiving account and password are correctly configured in the RemoteUI mail server settings.

➡ Setting Mail Server

If this does not resolve the error, check the status of the mail server.

### Cause

Communication with mail server failed.

## What to Do

Tap **OK** on the touch screen to dismiss the error.

Check that the settings on the mail server and the APOP settings on this device match.

Check this device's APOP settings in RemoteUI.

➡ <u>Setting Mail Server</u>

Contact the mail server administrator for configuring APOP on the mail server.

### Cause

Communication with mail server failed.

## What to Do

Tap **OK** on the touch screen to dismiss the error.

Check if the RemoteUI mail server settings are correct.

### ➡ <u>Setting Mail Server</u>

If this does not resolve the error, check the status of the mail server.

## Cause

Sending mail failed.

## What to Do

Tap **OK** on the touch screen to dismiss the error.

Specify the correct destination mail address and try again

#### Cause

Possible causes include the following.

- Received print job for upper roll paper while lower roll paper is in use.
- Received print job for lower roll paper while upper roll paper is in use.

## What to Do

Tap **OK** on the touch screen to dismiss the error.

Remove the printed matter, and then try again.

## Cause

The media type specified is incompatible with this device.

## What to Do

Tap  $\mathbf{OK}$  on the touch screen to dismiss the error.

Check the media type settings, and then try again.

### Cause

Received a print job specifying paper feed from the roll unit, but the roll unit is not set to paper feed.

### What to Do

To stop printing, tap **OK** on the touch screen or press the **Stop** button.

Check the roll unit settings, and then try again.

Switching Roll Unit Modes

#### Cause

Cannot print borderless for the following reasons.

- Printer driver is not set to Fit Roll Paper Width.
- Roll paper is not wide enough, or the paper is out of position.

### What to Do

- Stopping printing Tap **Cancel** on the touch screen.
- Replacing paper

Follow the steps below to replace the printer paper with paper that can be printed borderless.

- 1. Tap Replace the paper and print on the touch screen, then remove the roll paper.
  - Removing the Upper Roll from the Printer
  - Removing the Lower Roll from the Roll Unit (Option)
  - Removing Rolls From the Roll Holder
- 2. Replace the printer paper with paper that can be printed borderless.
  - ➡ Loading Rolls on the Roll Holder
  - ➡ Loading the Upper Roll on the Printer
  - ➡ Loading the Lower Roll on the Roll Unit (Option)
- Printing with a border

Tap **Print with border** on the touch screen.

Printing with a border is now enabled.

#### Cause

The paper position is not suitable for borderless printing.

### What to Do

- Stopping printing Tap **Cancel** on the touch screen.
- Replacing paper

Follow the steps below to replace the printer paper with paper that can be printed borderless.

- 1. Tap Replace the paper and print on the touch screen, then remove the roll paper.
  - Removing the Upper Roll from the Printer
  - Removing the Lower Roll from the Roll Unit (Option)
  - Removing Rolls From the Roll Holder
- 2. Replace the printer paper with paper that can be printed borderless.
  - ➡ Loading Rolls on the Roll Holder
  - ➡ Loading the Upper Roll on the Printer
  - ➡ Loading the Lower Roll on the Roll Unit (Option)
- Printing with a border

Tap Print with border on the touch screen.

Printing with a border is now enabled.

#### >>>Note

• Because paper expands or contracts depending on the environment of use, it may become narrower or wider than the supported width for borderless printing.

Use each media type under the appropriate usage conditions. See the media information list for usage conditions.

➡ Paper Information List

### Cause

The paper in the printer cannot be printed borderless.

### What to Do

- Stopping printing Tap **Cancel** on the touch screen.
- Replacing paper

Follow the steps below to replace the printer paper with paper that can be printed borderless.

- 1. Tap **Replace the paper and print** on the touch screen, then remove the roll paper.
  - Removing the Upper Roll from the Printer
  - Removing Rolls From the Roll Holder
- 2. Replace the printer paper with paper that can be printed borderless.
  - ➡ Loading Rolls on the Roll Holder
  - ➡ Loading the Upper Roll on the Printer
- Printing with a border

Tap **Print with border** on the touch screen.

Printing with a border is now enabled.

#### Cause

The paper is loaded askew.

### What to Do

Reloading paper

Tap **Replace the paper and print** on the touch screen, and then load the paper so that the edges are inside the borderless printing ink grooves.

Insert the roll paper firmly until it is against the roll holder flange.

➡ Loading Rolls on the Roll Holder

Printing with a border
 Tap **Print with border** on the touch screen.

Printing with a border is now enabled.

Stopping printing
 Tap **Cancel** on the touch screen to stop printing.

#### Note

• To force the printer to print, set **Detect paper setting mismatch** in the touch screen menu to **Do not detect**.

However, note that this error may affect the printing quality.

#### Cause

The print job received specifies a type or width of paper that is not compatible with borderless printing.

### What to Do

- Changing the print job settings Follow these steps to change the settings of the print job to enable borderless printing.
- 1. Tap Cancel on the touch screen to stop printing.
- 2. Check that the printer driver for the printer has been selected, and then try again.

See the media information list for media types compatible with borderless printing.

- ➡ Paper Information List
- Printing with a border
   Tap **Print with border** on the touch screen.

Printing with a border is now enabled.

#### >>>Note

• To force the printer to print, set **Detect paper setting mismatch** in the touch screen menu to **Do not detect**.

However, note that this error may affect the printing quality.

### Cause

The paper size in the printer cannot be printed borderless.

### What to Do

- Stopping printing Tap **Cancel** on the touch screen to stop printing.
- Printing with a border
   Tap **Print with border** on the touch screen.

Printing with a border is now enabled.

#### >>>Note

• See the media information list for media types compatible with borderless printing.

➡ Paper Information List

### Cause

Cannot print borderless because the paper is out of position.

## What to Do

- Reloading paper Lift up the release lever and reload the roll paper.
  - ➡ Loading the Upper Roll on the Printer
  - ➡ Loading the Lower Roll on the Roll Unit (Option)
- Printing with a border
   Tap **Print with border** on the touch screen.

Printing with a border is now enabled.

Stopping printing
 Tap **Cancel** on the touch screen to stop printing.

#### Cause

The print job received specifies a type or width of paper that is not compatible with borderless printing.

### What to Do

Changing the print job settings

Follow these steps to change the settings of the print job to enable borderless printing.

- 1. Tap **Cancel** on the touch screen to stop printing.
- 2. Check that the printer driver for the printer has been selected, and then try again.

See the media information list for media types compatible with borderless printing.

- ➡ Paper Information List
- Printing with a border

Tap **Print with border** on the touch screen.

Printing with a border is now enabled.

#### >>>Note

• To force the printer to print, set **Detect paper setting mismatch** in the touch screen menu to **Do not detect**.

However, note that this error may affect the printing quality.

### Cause

Cannot print borderless for the following reasons.

- Fit Roll Paper Width is not specified in the printer driver.
- Roll paper is not wide enough, or the paper is out of position.

## What to Do

- Stopping printing Tap **Cancel** on the touch screen to stop printing.
- Printing with a border
   Tap **Print with border** on the touch screen.

Printing with a border is now enabled.

#### Cause

A printer error has occurred.

#### What to Do

Turn the power off, wait a moment, and then turn the power back on.

If the error appears again, make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then turn off the power and contact a Canon customer service center.

#### **Detailed error codes**

EC01-2F90	EC01-2F95	EC04-2F31	EC04-2F91	EC05-2F92	EC06-2F9A
EC06-2F9B	EC06-2F9C	EC07-2F19	EC0F-2F96	EC11-2F2A	EC12-2F29
EC12-2F2B	EC12-2F2C	EC13-2F17	EC15-2E23	EC16-2021	EC16-2022
EC16-2027	EC16-202A	EC16-2038	EC17-2023	EC17-2024	EC17-2028
EC17-2029	EC17-2039	EC1B-2030	EC1B-2031	EC1B-2032	EC1B-2033
EC1C-2034	EC1C-2035	EC1C-2036	EC1C-2037	EC21-2F51	EC21-2F54
EC21-2F57	EC21-2F59	EC21-2F5B	EC21-2F5D	EC21-2F61	EC21-2F64
EC21-2F66	EC21-2F67	EC21-2F68	EC21-2F6E	EC21-2F70	EC21-2F71
EC21-2F72	EC21-2F7D	EC22-2F30	EC22-2F47	EC23-260E	EC23-260F
EC23-2F11	EC23-2F18	EC23-2F32	EC25-2F16	EC31-2F09	EC31-2F10
EC31-2F1B	EC31-2F1C	EC31-2F1D	EC31-2F1E	EC31-2F1F	EC31-2F22
EC31-2F23	EC31-2F94	EC33-2601	EC33-2604	EC33-2F3A	EC34-2602
EC34-2605	EC34-2F3B	EC35-2603	EC35-2606	EC35-2F3C	EC51-2F14
EC51-2F15	EC51-2FDD	EC51-2FDE	EC51-2FDF	EC51-3301	EC51-3302
EC51-3303	EC54-290A	EC55-2F20	EC58-2F12		

#### Cause

The printer hard disk is full.

### What to Do

Press the **Stop** button to stop printing, and then take the following action.

- Cancel the **Print job** in the job queue.
  - ➡ Managing Job Queue (Deleting or Preempting Other Jobs)
- Delete unneeded jobs stored in personal boxes.
  - ➡ <u>Deleting Saved Jobs</u>

### Cause

The printer hard disk has not been formatted.

## What to Do

Tap **OK** on the touch screen to begin formatting the hard disk.

When formatting is complete, the data on the hard disc will be erased and the printer will automatically restart.

#### Cause

The maximum number of jobs have been saved in the box.

### What to Do

Take the actions below.

- Cancel the **Print job** in the job queue.
  - ➡ Managing Job Queue (Deleting or Preempting Other Jobs)
- Delete unneeded jobs stored in personal boxes.
  - Deleting Saved Jobs

#### Note

• To stop printing, press the **Stop** button.

#### Cause

A printer error has occurred.

### What to Do

Turn the power off, wait a moment, and then turn the power back on.

If the error appears again, make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then turn off the power and contact a Canon customer service center.

### **Detailed code**

EC51-3304 EC51-3306 EC51-3307 EC51-3308 EC51-3309 EC51-330A

#### Cause

The width of the roll paper set in **Fit Roll Paper Width** in the printer driver is not the same as the width of the roll paper loaded in the printer.

### What to Do

Tap **OK** on the touch screen to go to the next screen.

Check the media type and size that appear and tap **OK**.

Printing without changes
 Tap **Print with the loaded paper.** on the touch screen.

However, note that this error may cause paper jams and affect the printing quality.

- Stopping printing
   Tap **Cancel** on the touch screen to stop printing.
- Replacing the roll paper

Follow the steps below to replace the paper with roll paper of the width set in the printer driver.

- 1. Tap Replace the paper and print on the touch screen, then remove the roll paper.
  - Removing the Upper Roll from the Printer
  - Removing the Lower Roll from the Roll Unit (Option)
  - Removing Rolls From the Roll Holder
- 2. Replace the paper with paper of the width set in the printer driver.
  - Loading Rolls on the Roll Holder
  - Loading the Upper Roll on the Printer
  - ➡ Loading the Lower Roll on the Roll Unit (Option)

Printing begins.

#### >>>Note

- To change print settings in Windows, select **Fit Roll Paper Width** in the printer driver and set the roll paper width in the dialog box that appears.
- To change print settings in Mac OS, open the printer driver and select **Fit Roll Paper Width**, and then set the roll paper width in that panel to the width of the paper loaded in the printer.

#### Cause

The media type specified in the printer driver is not the same as the media type loaded in the printer.

### What to Do

• Changing the printer driver print settings

Follow the steps below to match the media type in the printer driver and the media type specified for the printer.

- 1. Tap Cancel on the touch screen to stop printing.
- 2. Change the media type in the printer driver settings to the media type loaded in the printer, and then try again.
- Replacing paper

Follow the steps below to match the media type in the printer driver and the media type specified for the printer.

- 1. Tap Cancel on the touch screen to stop printing.
- 2. Load the printer with the media type set in the printer driver, and then try again.
  - ➡ Loading and Printing on Rolls
  - ➡ Loading and Printing on Sheets
- Printing without changes

To continue printing, tap **Print with the loaded paper.** on the touch screen.

However, note that this error may cause paper jams and affect the printing quality.

#### Cause

Cannot print borderless for one of the following reasons.

- The paper size in the printer cannot be printed borderless.
- The paper is loaded askew.

### What to Do

Replacing paper

Follow the steps below to replace the printer paper with paper that can be printed borderless.

- 1. Tap Replace the paper and print on the touch screen, then remove the roll paper.
  - ➡ <u>Removing the Upper Roll from the Printer</u>
  - Removing the Lower Roll from the Roll Unit (Option)
  - Removing Rolls From the Roll Holder
- 2. Replace the printer paper with paper that can be printed borderless.
  - Loading Rolls on the Roll Holder
  - ➡ Loading the Upper Roll on the Printer
  - ➡ Loading the Lower Roll on the Roll Unit (Option)

Printing begins.

#### Note

- See the media information list for media types compatible with borderless printing.
  - ➡ Paper Information List
- Reloading paper

Tap **Replace the paper and print** on the touch screen, and then load the paper so that the edges are inside the borderless printing ink grooves.

Insert the roll paper firmly until it is against the roll holder flange.

➡ Loading Rolls on the Roll Holder

Printing with a border
 Tap **Print with border** on the touch screen.

Printing with a border is now enabled.

• Stopping printing Tap **Cancel** on the touch screen to stop printing.

#### Cause

Cannot cut paper for one of the following reasons.

- Paper that has been cut remains on the output guide.
- There is a foreign object near the output slot that is obstructing the cutter blade.
- The paper is not being used under the recommended usage conditions.
- The paper in use cannot be used with Automatic Cutting.

### What to Do

- Paper that has been cut remains on the output guide Follow the steps below to resume printing.
  - 1. Lift up the release lever and remove the paper.
  - 2. Load the paper.
  - 3. Lower the release lever.
  - 4. If "There is a job whose printing is not complete. Do you want to print this job?" appears on the touch screen, tap Yes.

Printing will resume, starting from the page on which the error occurred.

- ➡ Loading the Upper Roll on the Printer
- A foreign object near the output slot is obstructing the cutter blade Follow the steps below to resume printing.
  - 1. Open the top cover and remove any foreign objects.
  - 2. If "There is a job whose printing is not complete. Do you want to print this job?" appears on the touch screen, tap Yes.

Printing will resume, starting from the page on which the error occurred.

• Paper not being used under the recommended usage conditions Every paper type has different recommended conditions of use. Use all paper under its recommended usage conditions.

See the media information list for recommended usage conditions.

➡ Paper Information List

- The paper in use cannot be used with **Automatic Cutting** Set the roll paper cutting method to **User cut** and cut the roll paper with a cutting implement such as scissors.
  - Specifying the Cutting Method for Rolls

See the media information list for paper types that can be used with Automatic Cutting.

➡ Paper Information List

If this does not apply, there may be a cutter blade malfunction.

Contact your Canon dealer for assistance.

#### Cause

The Media Take-up Unit cannot roll the paper for one of the following reasons.

- A paper jam has occurred and the roll cannot be rewound.
- The Media Take-up Unit malfunctioned.

### What to Do

• The take-up unit's permitted capacity is exceeded Remove paper from the take-up unit.

Tap **OK** on the touch screen to dismiss the error.

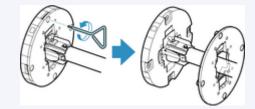
#### Note

- You can wind the paper until the outer diameter of the wound paper is the same as the outer diameter of the paper core.
- Paper is jammed or could not be rolled Remove the paper from the Media Take-up Unit.

Tap **OK** on the touch screen to dismiss the error.

#### Note

• When printing on light-weight paper or with borderless printing, if the paper's border becomes ruffled, it may come in contact with the roll holder, resulting in poor winding. If this problem occurs when winding using a 2-inch paper core, remove the spacer that is held onto the roll holder flange with 4 hex screws.



• Media Take-up Unit malfunction Contact your Canon dealer for assistance.

#### >>>Important

 Printing will pause if there is a Media Take-up Unit error. If you do not want to printing to stop, set Skip errors during take-up to ON. However, note that this error may cause paper jams and affect the printing quality.

#### Cause

Paper loaded is not suitable for **Color Calibration**.

### What to Do

Follow the steps below to repeat **Color Calibration**.

- 1. Tap **OK** on the touch screen to dismiss the error.
- 2. Load paper suitable for **Color Calibration**.

See the media information list for suitable paper.

➡ Paper Information List

Make sure the paper in the printer is the same as that in the printer media type settings. The printer will not calibrate properly if the loaded paper and media type settings are not the same.

### Cause

The performance of some internal printer sensors may be affected.

### What to Do

Tap **OK** on the touch screen to stop **Color Calibration**.

Contact your Canon dealer for assistance.

#### Cause

The supplied paper size is not suitable for **Color Calibration**.

### What to Do

Tap **OK** on the touch screen to stop **Color Calibration**.

Load a paper size suitable for **Color Calibration**, and then repeat **Color Calibration**.

Managing Colors

➡ Performing Color Calibration

#### Cause

Color calibration may have failed for the following reasons.

- The paper for printing a test pattern is soiled. Otherwise, you have loaded colored paper.
- The printer may be exposed to strong light, such as direct sunlight, which can cause the sensors to malfunction.
- The test pattern was printed too faintly.

### What to Do

Tap **OK** on the touch screen to dismiss the error, and then take the following actions.

- Load unused paper suitable for Color Calibration.
- Make adjustments to ensure that the printer is not exposed to strong light.
- Print a nozzle check pattern to check the print head status.

If the pattern has gaps or horizontal white lines, the print head nozzle is blocked. Clean the print head.

Checking for Nozzle Clogging

#### Cause

Paper feed adjustment may have failed for the following reasons.

- The paper for printing a test pattern is soiled. Otherwise, you have loaded colored paper.
- The printer may be exposed to strong light, such as direct sunlight, which can cause the sensors to malfunction.
- The test pattern was printed too faintly.

### What to Do

Tap **OK** on the touch screen to dismiss the error, and then take the following actions.

- · Load unused paper.
- Make adjustments to ensure that the printer is not exposed to strong light.
- Print a nozzle check pattern to check the print head status.

If the pattern has gaps or horizontal white lines, the print head nozzle is blocked. Clean the print head.

Checking for Nozzle Clogging

#### Cause

The print head cannot be calibrated because the printer is loaded with very transparent film-type paper.

### What to Do

Tap **OK** on the touch screen to dismiss the error.

We recommend calibrating the print head with a frequently used, non-film paper.

➡ Automatic Adjustment to Straighten Lines and Colors

#### Cause

The print head nozzle may be blocked.

### What to Do

Follow the steps below to repeat **Print head alignment**.

- 1. Tap **OK** on the touch screen to dismiss the error.
- 2. Print a test pattern to check the nozzles.
  - <u>Checking for Nozzle Clogging</u>
- 3. If the nozzle is blocked, clean the print head.
  - Cleaning the Print Head
- 4. Repeat Print head alignment.
  - ➡ Automatic Adjustment to Straighten Lines and Colors

#### Cause

The print head nozzle may be blocked.

### What to Do

Follow the steps below to repeat **Print head alignment**.

- 1. Tap **OK** on the touch screen to dismiss the error.
- 2. Print a test pattern to check the nozzles.
  - <u>Checking for Nozzle Clogging</u>
- 3. If the nozzle is blocked, clean the print head.
  - Cleaning the Print Head
- 4. Repeat Print head alignment.
  - ➡ Automatic Adjustment to Straighten Lines and Colors

#### Cause

The print head nozzle may be blocked.

### What to Do

Follow the steps below to repeat **Print head alignment**.

- 1. Tap **OK** on the touch screen to dismiss the error.
- 2. Print a test pattern to check the nozzles.
  - <u>Checking for Nozzle Clogging</u>
- 3. If the nozzle is blocked, clean the print head.
  - Cleaning the Print Head
- 4. Repeat Print head alignment.
  - ➡ Automatic Adjustment to Straighten Lines and Colors

### Cause

WPS (Push button method) connection failed.

## What to Do

Follow the instructions on the touch screen to try connecting to the wireless LAN router again.

### Cause

AOSS (BUFFALO) connection failed.

### What to Do

Follow the instructions on the touch screen to try connecting to the wireless LAN router again.

### Cause

Failed to connect to the wireless LAN router.

## What to Do

Follow the instructions on the touch screen to try connecting to the wireless LAN router again.

### Cause

Failed to acquire IP address.

## What to Do

Check the information that appears on the touch screen, and then try connecting again.

### Cause

Failed to set up wireless LAN using Cableless setup.

## What to Do

Tap **OK** on the touch screen to dismiss the error, and then configure the settings again.

#### Cause

IPv4/IPv6 settings were changed, but Wired LAN and Wireless LAN are set to **Disable**.

### What to Do

On the touch screen, tap **OK** to dismiss the error, and then set Wired LAN and Wireless LAN to **Enable**.

### Cause

Attempted to change LAN settings, but they cannot be changed for the following reasons.

- Printer is operating
- Printer currently being configured using RemoteUI

### What to Do

Tap **OK** on the touch screen to dismiss the error, exit other processes and then configure the settings again.

### Cause

Raku Raku WLAN Start (NEC) connection failed.

### What to Do

Tap **OK** on the touch screen to dismiss the error and try connecting again.

#### Cause

#### Direct connection failed.

It is also possible that a **Direct connection** request was made but a connection could not be established.

### What to Do

Tap **OK** on the touch screen to dismiss the error and try connecting again.

### Cause

A printer error has occurred.

### What to Do

Make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then turn off the power and unplug the power cord.

Contact your Canon dealer for assistance.

### **Detailed error codes**

EC03-4061

### Cause

A printer error has occurred.

### What to Do

Turn off the power and unplug the power cord.

Wait at least 10 seconds, and then turn the power back on.

If the error appears again, make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then contact a Canon customer service center.

### **Detailed error codes**

EC21-2F76 EC21-2F77 EC21-2F78

# 5A60

### Cause

A printer error has occurred.

### What to Do

Make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then turn off the power and unplug the power cord.

Contact your Canon dealer for assistance.

#### **Detailed error codes**

EC33-4020 EC33-4021 EC33-4022 EC33-4023 EC33-4024 EC33-4025

EC33-4026 EC33-4028 EC33-4029 EC33-402A EC33-402B EC33-402D

# 5A61

### Cause

A printer error has occurred.

## What to Do

Make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then turn off the power and unplug the power cord.

Contact your Canon dealer for assistance.

### **Detailed error codes**

EC3F-402F

# 5B16

### Cause

A printer error has occurred.

### What to Do

Make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then turn off the power and unplug the power cord.

Contact your Canon dealer for assistance.

#### **Detailed error codes**

EC22-4001

# 5B20

### Cause

A printer error has occurred.

### What to Do

Make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then turn off the power and unplug the power cord.

Contact your Canon dealer for assistance.

### **Detailed error codes**

EC25-4001 EC41-4001 EC43-4001 EC44-4001 EC45-4001 EC47-4001

# 5B21

### Cause

A printer error has occurred.

### What to Do

Make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then turn off the power and unplug the power cord.

Contact your Canon dealer for assistance.

### **Detailed error codes**

EC48-4001

# 5C00

### Cause

A printer error has occurred.

## What to Do

Make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then turn off the power and unplug the power cord.

Contact your Canon dealer for assistance.

#### **Detailed error codes**

EC31-4001

### Cause

A printer error has occurred.

## What to Do

Turn off the power and unplug the power cord.

Wait at least 10 seconds, and then turn the power back on.

If the error appears again, make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then contact a Canon customer service center.

### **Detailed error codes**

EC56-2FE0

### Cause

A printer error has occurred.

## What to Do

Make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then turn off the power and unplug the power cord.

Contact your Canon dealer for assistance.

#### **Detailed error codes**

EC57-404F

### Cause

A printer error has occurred.

## What to Do

Make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then turn off the power and unplug the power cord.

Contact your Canon dealer for assistance.

#### **Detailed error codes**

EC57-4040

#### Cause

A printer error has occurred.

### What to Do

Make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then turn off the power and unplug the power cord.

Contact your Canon dealer for assistance.

### **Detailed error codes**

EC07-4060 EC51-4041 EC51-4042 EC51-4045 EC51-4046 EC51-4047

EC51-404C EC51-404D EC51-404E EC51-4070 EC51-4071 EC51-4072

#### Cause

A printer error has occurred.

## What to Do

Turn off the power and unplug the power cord.

Wait at least 10 seconds, and then turn the power back on.

If the error appears again, make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then contact a Canon customer service center.

### **Detailed error codes**

#### Cause

A printer error has occurred.

## What to Do

Turn off the power and unplug the power cord.

Wait at least 10 seconds, and then turn the power back on.

If the error appears again, make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then contact a Canon customer service center.

#### **Detailed error codes**

#### Cause

A printer error has occurred.

## What to Do

Turn off the power and unplug the power cord.

Wait at least 10 seconds, and then turn the power back on.

If the error appears again, make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then contact a Canon customer service center.

### **Detailed error codes**

#### Cause

A printer error has occurred.

## What to Do

Turn off the power and unplug the power cord.

Wait at least 10 seconds, and then turn the power back on.

If the error appears again, make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then contact a Canon customer service center.

### **Detailed error codes**

#### Cause

A printer error has occurred.

## What to Do

Turn off the power and unplug the power cord.

Wait at least 10 seconds, and then turn the power back on.

If the error appears again, make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then contact a Canon customer service center.

### **Detailed error codes**

#### Cause

A printer error has occurred.

## What to Do

Turn off the power and unplug the power cord.

Wait at least 10 seconds, and then turn the power back on.

If the error appears again, make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then contact a Canon customer service center.

### **Detailed error codes**

#### Cause

A printer error has occurred.

## What to Do

Turn off the power and unplug the power cord.

Wait at least 10 seconds, and then turn the power back on.

If the error appears again, make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then contact a Canon customer service center.

### **Detailed error codes**

#### Cause

A printer error has occurred.

## What to Do

Turn off the power and unplug the power cord.

Wait at least 10 seconds, and then turn the power back on.

If the error appears again, make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then contact a Canon customer service center.

#### **Detailed error codes**

#### Cause

A printer error has occurred.

## What to Do

Turn off the power and unplug the power cord.

Wait at least 10 seconds, and then turn the power back on.

If the error appears again, make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then contact a Canon customer service center.

### **Detailed error codes**

#### Cause

A printer error has occurred.

## What to Do

Turn off the power and unplug the power cord.

Wait at least 10 seconds, and then turn the power back on.

If the error appears again, make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then contact a Canon customer service center.

### **Detailed error codes**

#### Cause

A printer error has occurred.

## What to Do

Turn off the power and unplug the power cord.

Wait at least 10 seconds, and then turn the power back on.

If the error appears again, make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then contact a Canon customer service center.

### **Detailed error codes**

#### Cause

A printer error has occurred.

## What to Do

Turn off the power and unplug the power cord.

Wait at least 10 seconds, and then turn the power back on.

If the error appears again, make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then contact a Canon customer service center.

### **Detailed error codes**

#### Cause

A printer error has occurred.

## What to Do

Turn off the power and unplug the power cord.

Wait at least 10 seconds, and then turn the power back on.

If the error appears again, make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then contact a Canon customer service center.

### **Detailed error codes**

#### Cause

A printer error has occurred.

## What to Do

Turn off the power and unplug the power cord.

Wait at least 10 seconds, and then turn the power back on.

If the error appears again, make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then contact a Canon customer service center.

### **Detailed error codes**

#### Cause

A printer error has occurred.

## What to Do

Turn off the power and unplug the power cord.

Wait at least 10 seconds, and then turn the power back on.

If the error appears again, make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then contact a Canon customer service center.

#### **Detailed error codes**

#### Cause

A printer error has occurred.

## What to Do

Turn off the power and unplug the power cord.

Wait at least 10 seconds, and then turn the power back on.

If the error appears again, make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then contact a Canon customer service center.

### **Detailed error codes**

#### Cause

A printer error has occurred.

## What to Do

Turn off the power and unplug the power cord.

Wait at least 10 seconds, and then turn the power back on.

If the error appears again, make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then contact a Canon customer service center.

### **Detailed error codes**

#### Cause

A printer error has occurred.

## What to Do

Turn off the power and unplug the power cord.

Wait at least 10 seconds, and then turn the power back on.

If the error appears again, make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then contact a Canon customer service center.

#### **Detailed error codes**

### Cause

A printer error has occurred.

## What to Do

Make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then turn off the power and unplug the power cord.

Contact your Canon dealer for assistance.

#### **Detailed error codes**

EC54-401A

#### Cause

A printer error has occurred.

## What to Do

Make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then turn off the power and unplug the power cord.

Contact your Canon dealer for assistance.

#### **Detailed error codes**

EC54-405A

### Cause

A printer error has occurred.

## What to Do

Make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then turn off the power and unplug the power cord.

Contact your Canon dealer for assistance.

#### **Detailed error codes**

EC54-405B

### Cause

A printer error has occurred.

## What to Do

Make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then turn off the power and unplug the power cord.

Contact your Canon dealer for assistance.

#### **Detailed error codes**

### Cause

A printer error has occurred.

## What to Do

Make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then turn off the power and unplug the power cord.

Contact your Canon dealer for assistance.

#### **Detailed error codes**

### Cause

A printer error has occurred.

## What to Do

Make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then turn off the power and unplug the power cord.

Contact your Canon dealer for assistance.

#### **Detailed error codes**

#### Cause

A printer error has occurred.

### What to Do

Make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then turn off the power and unplug the power cord.

Contact your Canon dealer for assistance.

#### **Detailed error codes**

EC24-4049 EC24-404A EC24-404B

### Cause

A printer error has occurred.

## What to Do

Make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then turn off the power and unplug the power cord.

Contact your Canon dealer for assistance.

#### **Detailed error codes**

EC51-2F07

### Cause

A printer error has occurred.

## What to Do

Make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then turn off the power and unplug the power cord.

Contact your Canon dealer for assistance.

#### **Detailed error codes**

EC52-4038 EC52-4039

# **B20A**

#### Cause

A printer error has occurred.

### What to Do

Make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then turn off the power and unplug the power cord.

Contact your Canon dealer for assistance.

#### **Detailed error codes**

EC03-403A EC03-403B

# B510

### Cause

A printer error has occurred.

## What to Do

Make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then turn off the power and unplug the power cord.

Contact your Canon dealer for assistance.

#### **Detailed error codes**

EC32-4001