Canon

imageRUNNER
ADVANCE
C5051/C5045/C5035/C5030

Getting Started

Please read this guide before operating this product.
After you finish reading this guide, store it in a safe place for future reference.

ENG

imageRUNNER ADVANCE C5051/C5045/C5035/C5030 Getting Started

Flow of Settings for Using Each Function

This sectioin describes the flow of settings for using each function.

Please read Chapter 1, "Before You Start Using This Machine" first.

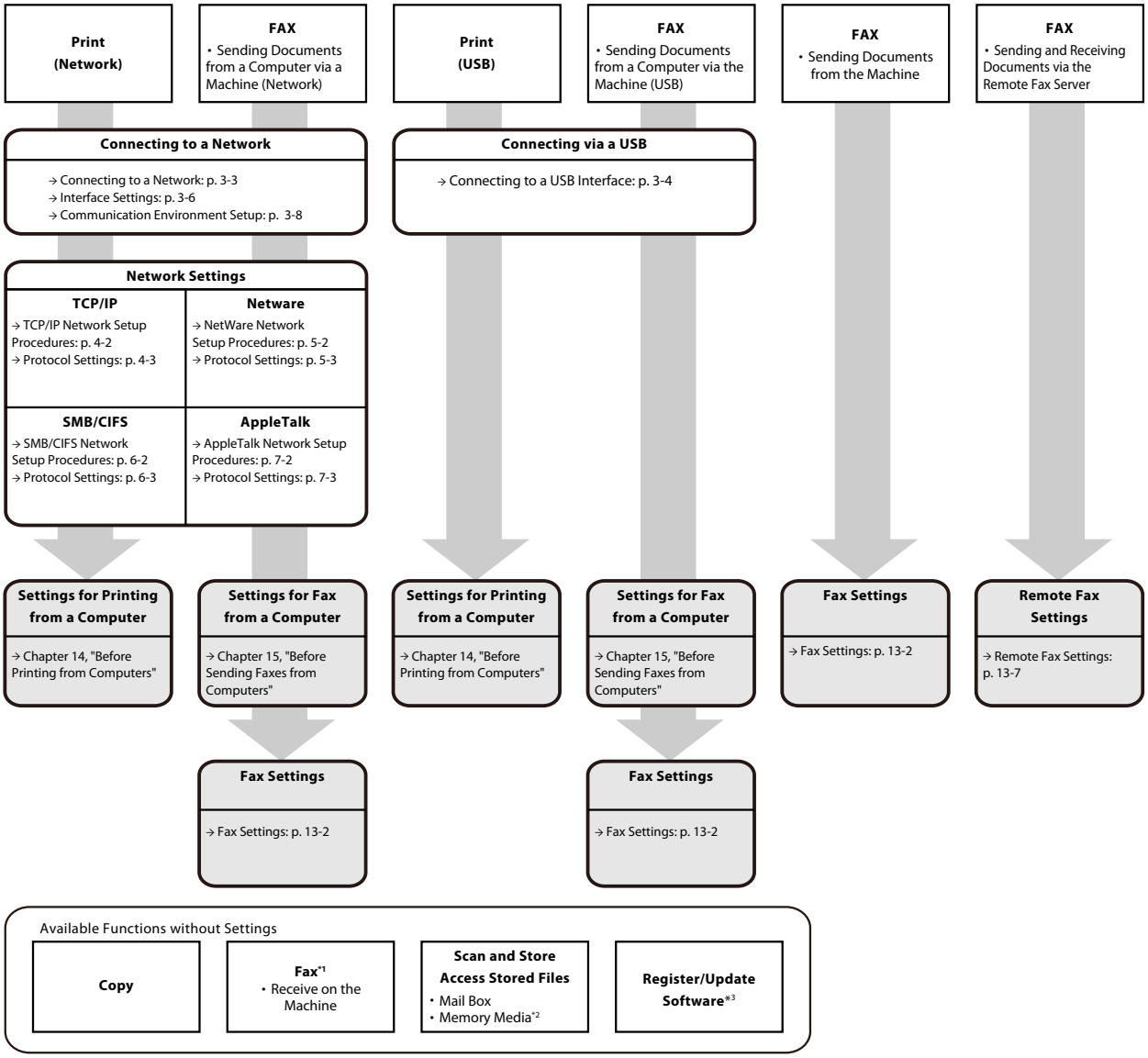
→ Confirm the Following Settings: p. 1-16

→ Logging In to the Machine as an Administrator: p. 1-17

For information on system requirements for using functions shown below, see Chapter 2, "Before Connecting to a Network."

- Print (USB/Network) → Printing or Sending a Fax from a Computer: p. 2-2
- Scan and Send (E-mail/I-fax) → Using E-Mail/I-Fax: p. 2-5
- Scan and Send (Send to a File Server) → Sending Data: p. 2-6

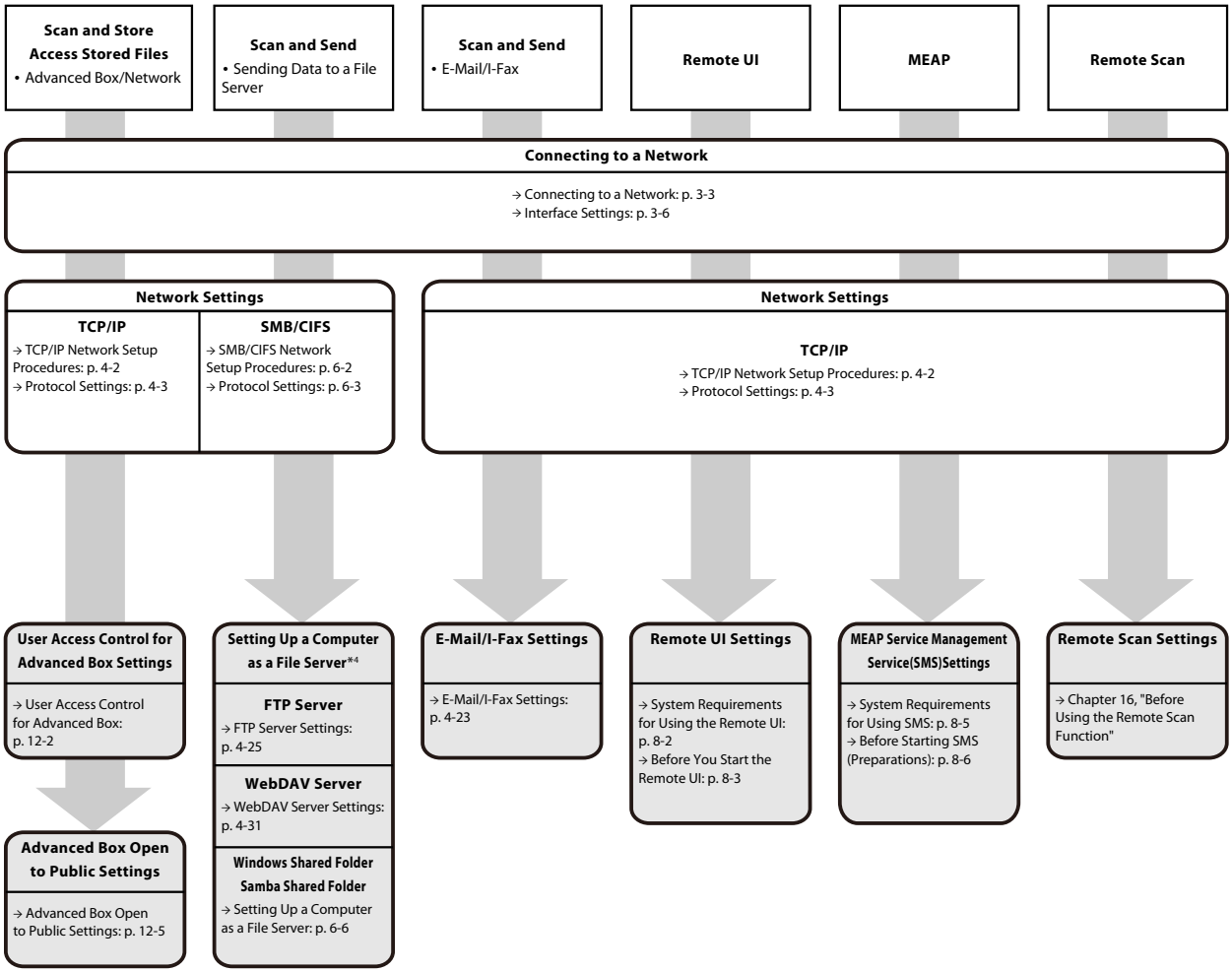
Optional products may be required depending on the function. For more information on the optional products required for each function, see e-Manual > Optional Products.



*1 The optional FAX Board is required.

*2 The default setting for displaying memory media is 'Off'. To use the memory media, press [Display Settings] in Preferences (Settings/Registration) → press [Store Location Display Settings] → [Memory Media] → [On].

*3 If you access the delivery server and register/update software, "Connecting to a Network" and "Network Settings" in this flow are required.
If you register/update software using the Remote UI, "Connecting to a Network," "Network Settings," and "Remote UI Settings" are required.



*4 The available file server may differ, depending on the network you are using. For more information on the available file server, see the following for the network you are using.
- If you are using TCP/IP Network: Setting Up a Computer as a File Server (→p. 4-25)
- If you are using SMB/CIFS Network: Setting Up a Computer as a File Server (→p. 6-6)

Manuals for the Machine

The manuals for this machine are divided as follows. Please refer to them for detailed information.

Guides with this symbol are printed manuals.

Guides with this symbol are included on the accompanying CD-ROM.

• **Precautions for Using Your Machine and Settings Required after Machine Installation**	**Getting Started (This Document)**	Printed / CD-ROM
• **Quick Reference for Basic and Useful Operations**	**Quick Reference**	Printed / CD-ROM
• **Maintenance and Troubleshooting**	**Maintenance Guide**	Printed / CD-ROM
• **Frequently Asked Questions and Answers**	**Frequently Asked Questions**	Printed / CD-ROM
• **Windows Printer Driver Installation and Instructions**	**Printer Driver Installation Guide**	CD-ROM
• **Mac Printer Driver Installation and Instructions** The Mac UFR II Driver Guide and the Mac PS Driver Guide	**Mac Printer Driver Installation Guide**	CD-ROM
• **Windows Fax Driver Installation and Instructions**	**Fax Driver Installation Guide**	CD-ROM
• **Windows Network ScanGear Installation and Instructions**	**Network ScanGear Installation Guide**	CD-ROM

- **Comprehensive Manual for Basic Operations and Handling Your Machine**

e-Manual

- Before You Start Using This Machine
- How to Use This Manual
- Basic Operations
- Optional Products
- Settings/Registration
- Problem Solving
- Maintenance
- Practical Workflows

- Copy
- Fax
- Scan and Send
- Scan and Store
- Access Stored Files
- Fax/I-Fax Inbox
- Secured Print
- Web Access
- Scanner
- Quick Menu
- Status Monitor/Cancel
- Print
- Network
- Remote UI
- MEAP
- Security
- Software

To view the manual in PDF format, Adobe Reader/Adobe Acrobat Reader is required. If Adobe Reader/Adobe Acrobat Reader is not installed on your system, please download it from the Adobe Systems Incorporated website.

How This Manual Is Organized

Chapter 1 Before You Start Using This Machine

Chapter 2 Before Connecting to a Network

Chapter 3 Settings Common to the Network Protocols

Chapter 4 Using a TCP/IP Network

Chapter 5 Using a NetWare Network (Windows)

Chapter 6 Using an SMB/CIFS Network

Chapter 7 Using an AppleTalk Network (Macintosh)

Chapter 8 Managing the Machine from a Computer

Chapter 9 Installing the System Options/MEAP Applications

Chapter 10 Updating the Firmware

Chapter 11 Managing the "Register/Update Software" Function

Chapter 12 Before Using the Advanced Box

Chapter 13 Before Using the Fax Function

Chapter 14 Before Printing from Computers

Chapter 15 Before Sending Faxes from Computers

Chapter 16 Before Using the Remote Scan Function

Chapter 17 Appendix

Includes other useful information, such as the Reports and the Relationship between Original Orientation and Preprinted Paper Output Chart.

Considerable effort has been made to ensure that this manual is free of inaccuracies and omissions. However, as we are constantly improving our products, if you need an exact specification, please contact Canon.

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Preface

Thank you for purchasing the Canon imageRUNNER ADVANCE C5051/C5045/C5035/C5030. Please read this manual thoroughly before operating the machine to familiarize yourself with its capabilities, and to make the most of its many functions. After reading this manual, store it in a safe place for future reference.

The System Manager or the System Administrator (Administrator) for SSO-H (Single Sign-On H) can specify all of the system settings for the machine. Unless otherwise stated, "administrator" in this manual indicates the System Manager or the System Administrator (Administrator). For information on the types of administrators, see e-Manual > Security.

How To Use This Manual

Symbols Used in This Manual

The following symbols are used in this manual to explain procedures, restrictions, handling precautions, and instructions that should be observed for safety.

WARNING	Indicates a warning concerning operations that may lead to death or injury to persons if not performed correctly. To use the machine safely, always pay attention to these warnings.
CAUTION	Indicates a caution concerning operations that may lead to injury to persons, or damage to property if not performed correctly. To use the machine safely, always pay attention to these cautions.
IMPORTANT	Indicates operational requirements and restrictions. Be sure to read these items carefully to operate the machine correctly, and avoid damage to the machine.
NOTE	Indicates a clarification of an operation, or contains additional explanations for a procedure. Reading these notes is highly recommended.

Keys and Buttons Used in This Manual

The following symbols and key/button names are a few examples of how keys and buttons to be clicked or pressed are expressed in this manual:

- Control Panel Keys: Key Icon (Key Name)
  Example: (Start)
  (Stop)
- Touch Panel Display Keys: [Key Name]
  Example: [Cancel]
  [Close]
- Buttons on Computer Operation Screens: [Button Name]
  Example: [OK]
  [Add]

Displays Used in This Manual

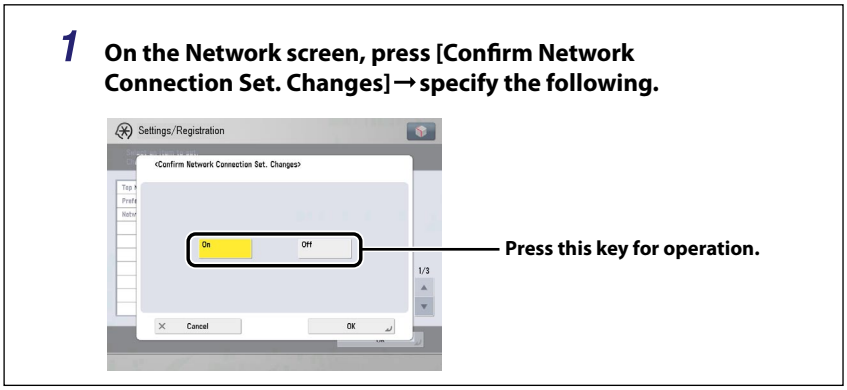
Screen shots of the touch panel display used in this manual are those taken when the following optional equipment is attached to the imageRUNNER ADVANCE C5051 : the Duplex Color Image Reader Unit-B1, Super G3 FAX Board, Inner Finisher-A1, and Cassette Feeding Unit-AD1.

Note that functions that cannot be used depending on the model or options, are not displayed on the touch panel display.

The keys or buttons which you should click or press are marked with a ⬭, as shown below.

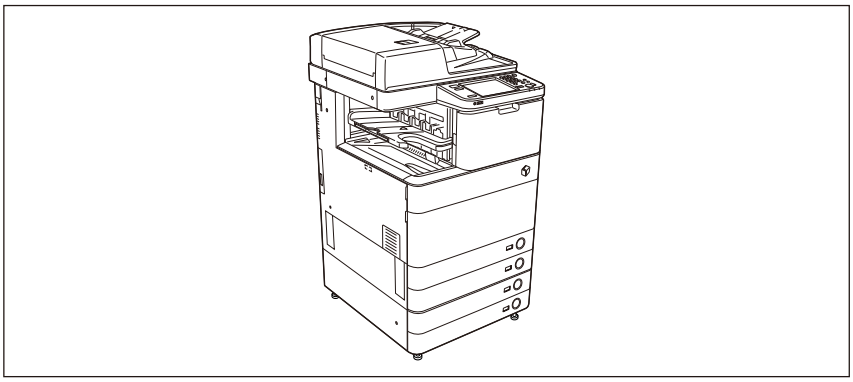
When multiple buttons or keys can be clicked or pressed, they will be highlighted and mentioned in the order in which they should be clicked or pressed.

Screen shots used in this manual may differ from the ones you actually see.



Illustrations Used in This Manual

Illustrations used in this manual are those displayed when the imageRUNNER ADVANCE C5051 has the following optional equipment attached to it: the Duplex Color Image Reader Unit-B1, Super G3 FAX Board, Inner Finisher-A1, and Cassette Feeding Unit-AD1.



Abbreviations Used in This Manual

Microsoft Windows 2000:	Windows 2000
Microsoft Windows 2000 Professional:	Windows 2000 Professional
Microsoft Windows 2000 Server:	Windows 2000 Server
Microsoft Windows Server 2003:	Windows Server 2003
Microsoft Windows XP:	Windows XP
Microsoft Windows XP Professional:	Windows XP Professional
Microsoft Windows Vista operating system:	Windows Vista
Microsoft Windows 7 operating system:	Windows 7
Microsoft Windows Server 2008:	Windows Server 2008
Microsoft Windows operating system:	Windows
Novell NetWare:	NetWare
Apple Macintosh:	Macintosh
Apple Mac:	Mac

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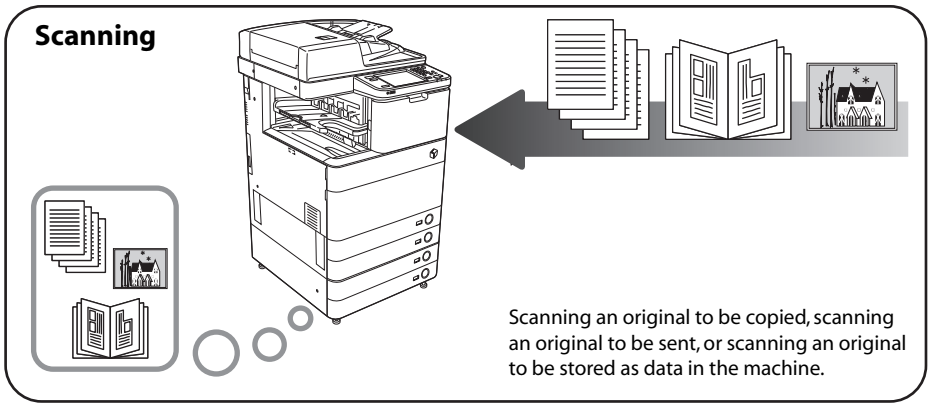
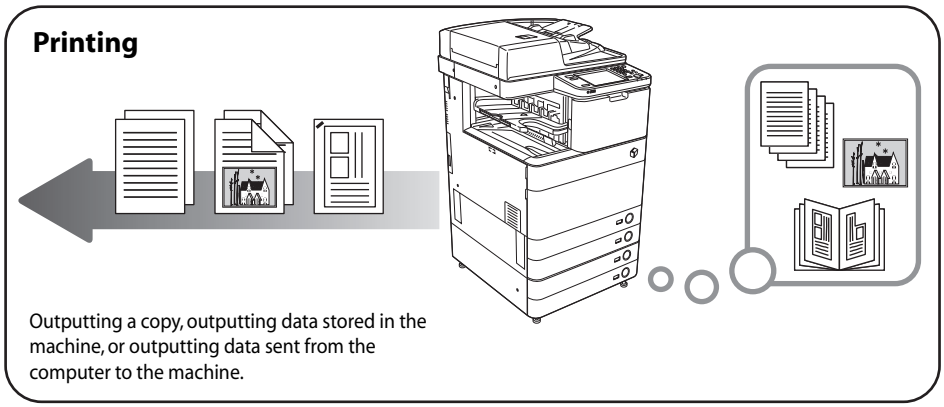
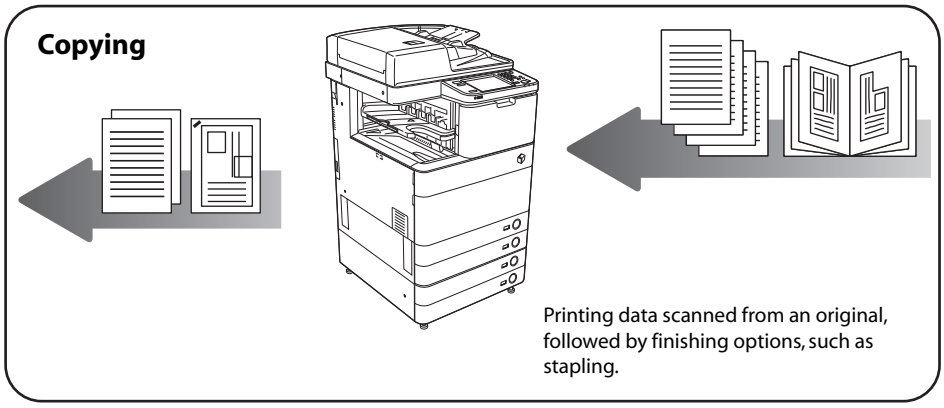
Operations and Terms Used in This Manual

This machine makes effective use of memory to perform print operations efficiently. For example, as soon as the machine has scanned the original that you want to copy, it can immediately scan the next person's original. You can also print from this machine, using a function other than the Copy function. In this machine, these operations take place in a complex way, so that not only copies, but also various kinds of prints may sometimes have to wait their turn before they can be printed.

To avoid confusion when reading this manual, the terms "scanning," "printing," and "copying," used throughout this manual, are defined below. When making a copy, the process of scanning originals and printing copies may be described as separate functions.







Legal Notices

Product Name

Safety regulations require the product's name to be registered. In some regions where this product is sold, the following name(s) in parenthesis may be registered instead.

- imageRUNNER ADVANCE C5051/C5045 (F154100)
- imageRUNNER ADVANCE C5035/C5030 (F154300)

EMC requirements of EC Directive

This equipment conforms with the essential EMC requirements of EC Directive. We declare that this product conforms with the EMC requirements of EC Directive at nominal mains input 230 V, 50 Hz although the rated input of the product is 220 to 240 V, 50/60 Hz. Use of shielded cable is necessary to comply with the technical EMC requirements of EC Directive.

Laser Safety

This Product is certified as a Class I laser product under IEC60825-1:2007 and EN60825-1:2007. This means that the product does not produce hazardous laser radiation.

Since radiation emitted inside the product is completely confined within protective housings and external covers, the laser beam cannot escape from the machine during any phase of user operation.

Do not remove protective housings or external covers, except as directed by the equipment's manual.

Additional Information

When servicing or adjusting the optical system of the product, be careful not to place screwdrivers or other shiny objects in the path of the laser beam. Also, accessories such as watches and rings should be removed before working on the product. The reflected beam, even though visible or invisible, can permanently damage your eyes.

The label shown below is attached to the paper drawer's right cover and toner supply port cover.

This Product has been classified under IEC60825-1:2007 and EN60825-1:2007, which conform to the following classes;

CLASS 1 LASER PRODUCT

LASER KLASSE 1

APPAREIL Á LASER DE CLASSE 1

APPARECCHIO LASER DI CLASSE 1

PRODUCTO LÁSER DE CLASE 1

APARELHO A LASER DE CLASSE 1

LUOKAN 1 LASER-TUOTE

LASERPRODUKT KLASS 1

CAUTION

Use of controls, adjustments, or performance of procedures other than those specified in the manuals for this machine may result in hazardous radiation exposure.

IPv6 Ready Logo

The protocol stack included in this machine has obtained the IPv6 Ready Logo Phase-1 established by the IPv6 Forum.

Information Security Standard (IEEE 2600)

This machine is compliant with IEEE Std 2600™ - 2008 (hereinafter referred to as IEEE 2600), a global information security standard for multifunction peripherals and printers, and is able to achieve the security requirements defined in IEEE 2600.*

For information on how this machine meets the security requirements defined in IEEE 2600, see e-Manual > Security > IEEE 2600 Security Standard.

* IEEE 2600.1 CC Authentication has not been obtained for this machine by itself.

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- Identifying Badges or Insignias
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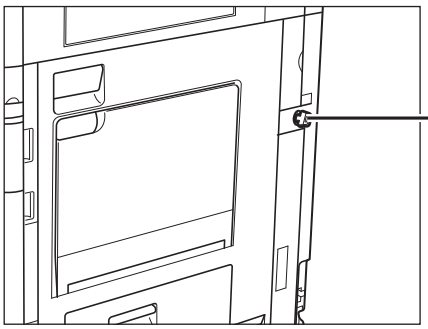
- Motor Vehicle Licenses and Certificates of Title
- Travelers Checks
- Food Stamps
- Passports
- Immigration Papers
- Internal Revenue Stamps (canceled or uncanceled)
- Bonds or Other Certificates of Indebtedness
- Stock Certificates
- Copyrighted Works/Works of Art without Permission of Copyright Owner

■ To Avoid Unauthorized Use of the Machine

Unauthorized copies can be prevented by using the key switch unit to manage the operation of the imageRUNNER ADVANCE C5051/C5045/C5035/C5030. The use of this key should be strictly supervised to help prevent unauthorized copying.



Security Key
When using the machine, insert the security key into the key switch unit, and then turn it to the right.

Super G3

Super G3 is a phrase used to describe the new generation of fax machines that use ITU-T V.34 standard 33.6 Kbps* modems. Super G3 High Speed Fax machines allow transmission times of approximately 3 seconds* per page which results in reduced telephone line charges.

* Approximately 3 seconds per page fax transmission time based on CCITT/ITU-T No.1 Chart, (JBIG, Standard Mode) at 33.6 Kbps modem speed. The Public Switched Telephone Network (PSTN) currently supports 28.8 Kbps modem speeds or slower, depending on telephone line conditions.

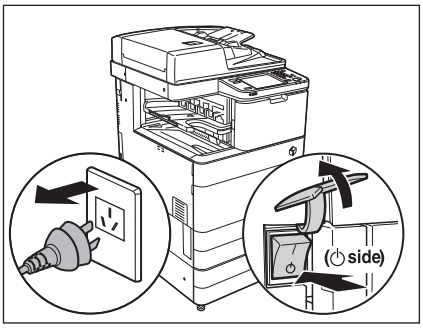
Important Safety Instructions

Please read these "Important Safety Instructions" thoroughly before operating the machine. As these instructions are intended to prevent injury to the user or other persons or destruction of property, always pay attention to these instructions. Also, since it may result in unexpected accidents or injuries, do not perform any operation unless otherwise specified in the manual. Improper operation or use of this machine could result in personal injury and/or damage requiring extensive repair that may not be covered under your Limited Warranty.

Installation

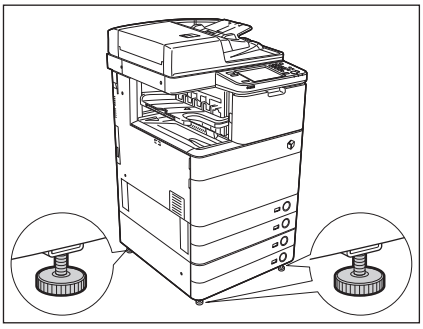
WARNING

- **Do not install the machine near alcohol, paint thinner, or other flammable substances. If flammable substances come into contact with electrical parts inside the machine, it may result in a fire or electrical shock.**
- **Do not place the following items on the machine. If these items come into contact with a high-voltage area inside the machine, it may result in a fire or electrical shock.**
  If these items are dropped or spilled inside the machine, immediately turn OFF the main power switch, and disconnect the power cord from the power outlet. Then, contact your local authorized Canon dealer.
  - **Necklaces and other metal objects**
  - **Cups, vases, flowerpots, and other containers filled with water or liquids**



CAUTION

- **Do not install the machine in unstable locations, such as unsteady platforms or inclined floors, or in locations subject to excessive vibrations, as this may cause the machine to fall or tip over, resulting in personal injury.**
- **Never block the ventilation slots and louvers on the machine. These openings are provided for proper ventilation of working parts inside the machine. Blocking these openings can cause the machine to overheat. Never place the machine on a soft surface, such as a sofa or rug.**
- **Do not install the machine in the following locations:**
  - **A damp or dusty location**
  - **A location near water faucets or water**
  - **A location exposed to direct sunlight**
  - **A location subject to high temperatures**
  - **A location near open flames**
- **Do not remove the machine's leveling feet after the machine has been installed, as this may cause the machine to fall or tip over, resulting in personal injury.**



Power Supply

WARNING

- Do not damage or modify the power cord. Also, do not place heavy objects on the power cord, or pull on or excessively bend it, as this could cause electrical damage and result in a fire or electrical shock.
- Keep the power cord away from a heat source; failure to do this may cause the power cord coating to melt, resulting in a fire or electrical shock.
- Do not connect or disconnect the power cord with wet hands, as this may result in electrical shock.
- Do not connect the power cord to a multiplug power strip, as this may cause a fire or electrical shock.
- Do not bundle up or tie the power cord in a knot, as this may result in a fire or electrical shock.
- Insert the power plug completely into the power outlet, as failure to do so may result in a fire or electrical shock.
- Do not use power cords other than the power cord provided, as this may result in a fire or electrical shock.
- As a general rule, do not use extension cords. Using an extension cord may result in a fire or electrical shock.

CAUTION

- Do not use power supplies with voltages other than those specified herein, as this may result in a fire or electrical shock.
- Always grasp the power plug when disconnecting the power cord. Pulling on the power cord may expose or snap the core wire, or otherwise damage the power cord. If the power cord is damaged, this could cause current to leak, resulting in a fire or electrical shock.
- Leave sufficient space around the power plug so that it can be unplugged easily. If objects are placed around the power plug, you will be unable to unplug it in an emergency.

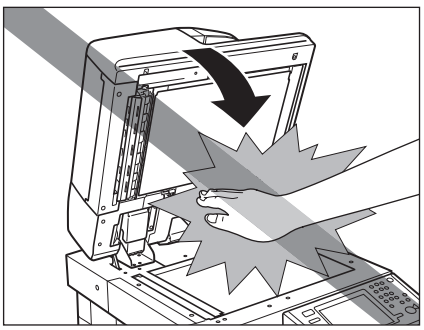
Handling

WARNING

- Do not attempt to disassemble or modify the machine. There are high-temperature and high-voltage components inside the machine which may result in a fire or electrical shock.
- If the machine makes strange noises, or gives off smoke, heat, or strange smells, immediately turn OFF the main power switch, and disconnect the power cord from the power outlet. Then, contact your local authorized Canon dealer. Continued use of the machine in this condition may result in a fire or electrical shock.
- Do not use highly flammable sprays near the machine. If gas from these sprays comes into contact with the electrical components inside the machine, it may result in a fire or electrical shock.
- To avoid damage to the power cord and creating a fire hazard, always turn OFF the main power switch, and unplug the interface cable when moving the machine. Otherwise, the power cord or interface cable may be damaged, resulting in a fire or electrical shock.
- Make sure that the power plug is firmly inserted into the power outlet if the machine was moved. Do not use the machine while the connection is loose, as doing so may cause a fire.
- Do not drop paper clips, staples, or other metal objects inside the machine. Also, do not spill water, liquids, or flammable substances (alcohol, benzene, paint thinner, etc.) inside the machine. If these items come into contact with a high-voltage area inside the machine, it may result in a fire or electrical shock. If these items are dropped or spilled inside the machine, immediately turn OFF the main power switch, and disconnect the power cord from the power outlet. Then, contact your local authorized Canon dealer.
- Do not use the product for uses other than as a color digital multitasking machine.

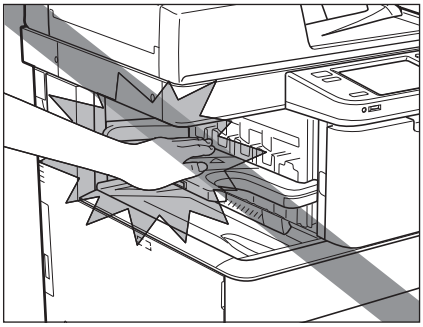
CAUTION

- Do not place heavy objects on the machine, as they may tip over or fall resulting in personal injury.
- Close the feeder/platen cover gently to avoid catching your hands, as this may result in personal injury.

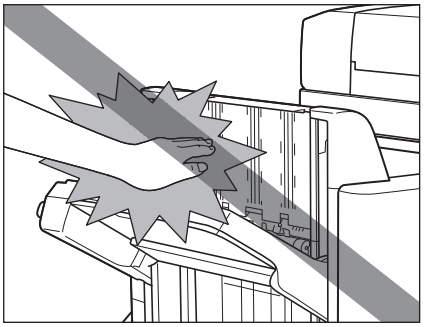


- Do not press down hard on the feeder/platen cover when using the platen glass to make copies of thick books. Doing so may damage the platen glass and result in personal injury.
- Do not touch the finisher while the machine is printing, as this may result in personal injury.
- Paper that has just been output from the machine may be hot . Be careful when removing or aligning paper from the output tray. Touching paper right after it is output may result in low-temperature burns.

- **Turn OFF the control panel power switch for safety when the machine will not be used for a long period of time, such as overnight. Also, turn OFF the main power switch, and disconnect the power cord for safety when the machine will not be used for an extended period of time, such as during consecutive holidays.**
- **Do not place your hands, hair, clothing, etc., near the exit and feed rollers. Even if the machine is not in operation, your hands, hair, or clothing may get caught in the rollers, which may result in personal injury or damage if the machine suddenly starts printing.**
- **Do not place your hands in the part of the tray where stapling is performed (near the rollers) when a finisher is attached, as this may result in personal injury.**

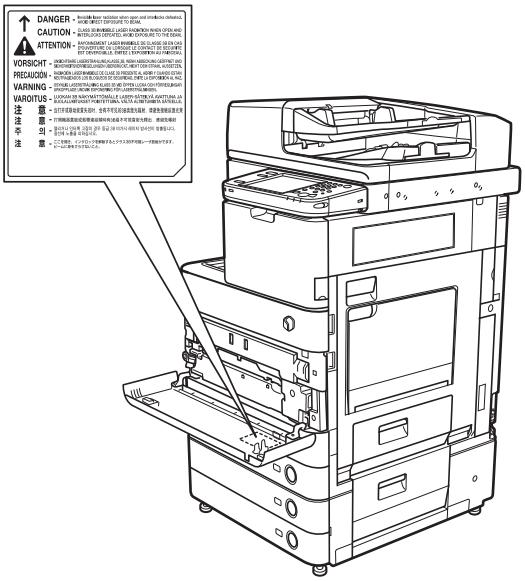


Inner Finisher-A1



Staple Finisher-C1/Booklet Finisher-C1

- **The laser beam can be harmful to human bodies. Since radiation emitted inside the product is completely confined within protective housings and external covers, the laser beam cannot escape from the machine during any phase of user operation. Read the following remarks and instructions for safety.**
- **Never open covers other than those instructed in the manuals for this machine.**
- **Do not remove the following caution label which is attached to the machine. If the label has been removed, contact your local authorized Canon dealer.**



- **If the laser beam escapes from the machine, exposure may cause serious damage to your eyes.**
- **Controlling, adjusting, or operating the machine in ways not mentioned in the manuals for this machine may cause dangerous radiation to escape from the machine.**

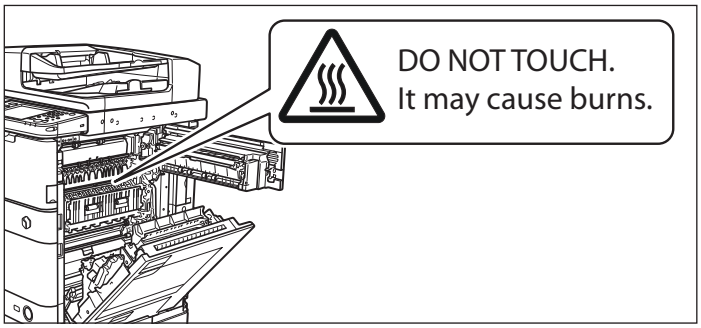
Maintenance and Inspections

WARNING

- When cleaning the machine, first turn OFF the main power switch, then disconnect the power cord. Failure to observe these steps may result in a fire or electrical shock.
- Disconnect the power cord from the power outlet regularly, and clean the area around the base of the power plug's metal pins and the power outlet with a dry cloth to ensure that all dust and grime is removed. If the power cord is connected for a long period of time in a damp, dusty, or smoky location, dust can build up around the power plug and become damp. This may cause a short circuit and result in a fire.
- Clean the machine using a slightly dampened cloth with a mild detergent mixed with water. Do not use alcohol, benzene, paint thinner, or other flammable substances. Check detergent for flammability prior to use. If flammable substances come into contact with a high-voltage area inside the machine, it may result in a fire or electrical shock.
- There are some areas inside the machine which are subject to high-voltages. When removing jammed paper or when inspecting the inside of the machine, do not allow necklaces, bracelets, or other metal objects to touch the inside of the machine, as this may result in burns or electrical shock.
- Do not burn or throw used toner cartridges into open flames, as this may cause the toner remaining inside the cartridges to ignite, resulting in burns or a fire.
- Make sure that the power plug is firmly inserted into the power outlet after cleaning the machine. Do not use the machine while the connection is loose, as doing so may cause a fire.
- Check the power cord and power plug regularly. If the following conditions occur, contact your local authorized Canon dealer, as the condition may cause a fire:
  - There are burn marks on the power plug.
  - The blade on the power plug is deformed or broken.
  - The power goes OFF and ON when the power cord is bent.
  - There are cuts, cracks, or indentations on the power cord.
  - A part of the power cord becomes hot.
- Check the power cord and power plug regularly to make sure that they are not handled in the following manner, as this may result in a fire or electrical shock:
  - The connection part of the power plug is loose.
  - Stress is being applied to the power cord by a heavy object or by affixing it with staples.
  - The power plug is loose.
  - The power cord is tied in a bundle.
  - The power cord protrudes into a walkway.
  - The power cord is in front of a heater.

CAUTION

- The fixing unit and its surroundings inside the machine may become hot during use. When removing jammed paper or when inspecting the inside of the machine, do not touch the fixing unit and its surroundings, as doing so may result in burns or electrical shock.
- When removing jammed paper or when inspecting the inside of the machine, do not expose yourself to the heat emitted from the fixing unit and its surroundings for a prolonged period of time. Doing so may result in low temperature burns, even though you did not touch the fixing unit and its surroundings directly.
- If a paper jam occurs, follow the directions on the touch panel display to remove any jammed paper from inside the machine. Do not insert your fingers into any parts not indicated on the touch panel display, as doing so may result in personal injury or burns.



- When removing jammed paper or replacing the toner cartridge, take care not to allow the toner to come into contact with your hands or clothing, as this will dirty your hands or clothing. If they become dirty, wash them immediately with cold water. Washing them with warm water will set the toner, and make it impossible to remove the toner stains.
- When removing paper which has become jammed inside the machine, remove the jammed paper gently to prevent the toner on the paper from scattering and getting into your eyes or mouth. If the toner gets into your eyes or mouth, wash them immediately with cold water and immediately consult a physician.
- When loading paper or removing jammed originals or paper, take care not to cut your hands on the edges of the originals or paper.
- When removing paper which has become jammed inside the machine, take care not to cut your hands or injure yourself on the inside of the machine. If you cannot remove the paper, contact your local authorized Canon dealer.

- When removing a used toner cartridge, remove the cartridge carefully to prevent the toner from scattering and getting into your eyes or mouth. If the toner gets into your eyes or mouth, wash them immediately with cold water and immediately consult a physician.
- Do not dismantle the toner cartridge, as doing so may cause toner to fly out and enter your eyes or mouth. If toner gets into your eyes or mouth, wash them immediately with cold water and immediately consult a physician.
- If toner escapes from the toner cartridge, make sure not to ingest the toner or allow it to directly touch your skin. If toner touches your skin, wash it away with soap and water. If your skin still feels irritated after washing it, or you ingest toner, consult a doctor immediately.

Consumables

WARNING

- Do not burn or throw used toner cartridges into open flames, as this may cause the toner remaining inside the cartridges to ignite, resulting in burns or a fire.
- Do not store toner cartridges or copy paper in places exposed to open flames, as this may cause the toner or paper to ignite, resulting in burns or a fire.
- When discarding used toner cartridges, put the cartridges into a bag to prevent the toner remaining inside the cartridges from scattering, and dispose of them in a location away from open flames.

CAUTION

- Keep toner and other consumables out of the reach of small children. If these items are ingested, consult a physician immediately.
- Do not dismantle the toner cartridge, as doing so may cause toner to fly out and enter your eyes or mouth. If toner gets into your eyes or mouth, wash them immediately with cold water and immediately consult a physician.
- If toner escapes from the toner cartridge, make sure not to ingest the toner or allow it to directly touch your skin. If toner touches your skin, wash it away with soap and water. If your skin still feels irritated after washing it, or you ingest toner, consult a doctor immediately.

Other Warnings

WARNING

For cardiac pacemaker users:
This product emits low level magnetic flux. If you use a cardiac pacemaker and feel abnormalities, please move away from the product and consult your doctor.

Periodic Inspection of the Breaker

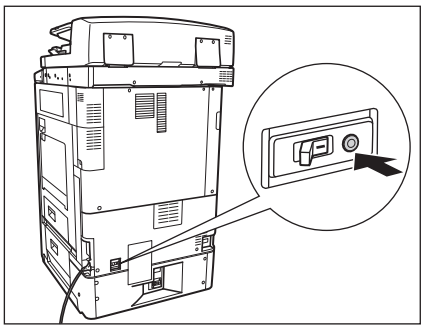
This machine has a breaker that detects excess current or leakage current. Make sure to test the breaker once or twice a month using the following procedure.

IMPORTANT

- Make sure that the main power is turned OFF, before inspecting the breaker.
- If a malfunction occurs after an inspection, contact your local authorized Canon dealer.

Checking the Breaker

1 **Push the test button on the rear of the machine with the tip of a ball-point pen, or a similar object.**



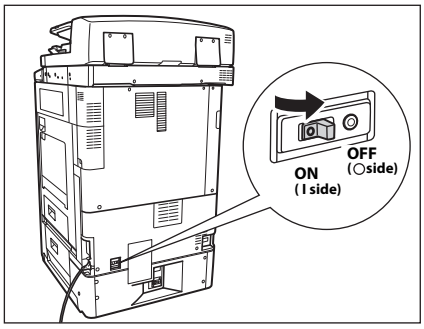
IMPORTANT

Briefly push the test button.

NOTE

- The breaker is located on the rear of the machine.
- For more information on the location of the breaker, see "External View," on p. 1-8.

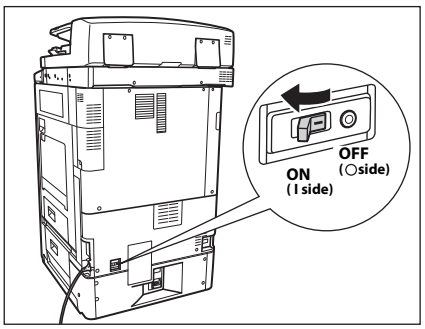
2 **Confirm that the breaker lever is switched to the OFF ("○" side) position.**



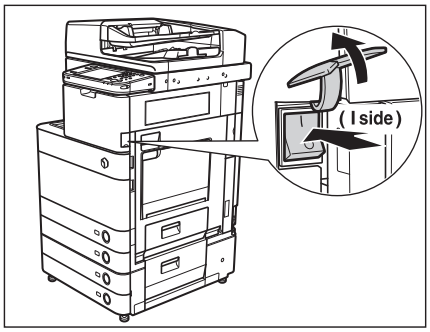
IMPORTANT

- Do not use the test button to turn the power ON and OFF.
- If the breaker lever does not switch to the OFF (" ○" side) position, repeat step 1.
- If the breaker lever does not switch to the OFF (" ○" side) position, despite carrying out the above procedure two or three times, contact your local authorized Canon dealer.

3 **Switch the breaker lever to ON ("I" side).**



4 **Press the main power switch to the ON ("I" side) position.**



5 **Fill in the check sheet, located on the next page, to document your periodic inspections of the breaker.**

Check Sheet for the Periodic Inspection of the Breaker

Copy this page for future use, and store it in a safe place near the machine to document your periodic inspections of the breaker.

■ How to Inspect the Breaker Periodically

Follow the procedure described in “Periodic Inspection of the Breaker,” on p. xxvii, once or twice a month.

■ How to Fill in This Check Sheet

Fill in the date of inspection and the name of the inspector.

When the inspection is completed successfully, write a check mark under "✓."

If not, contact your local authorized Canon dealer. (Also, write a check mark under "X.")

Date of Inspection	Inspector	Result	
		✓	X

Date of Inspection	Inspector	Result	
		✓	X

Before You Start Using This Machine

1

CHAPTER

This chapter describes what you should know before using the machine.

Installation Location and Handling 1-2
Installation Precautions 1-2
Handling Precautions 1-5
Backing Up/Exporting Data 1-7
Parts and Their Functions 1-8
External View 1-8
Internal View 1-9
Control Panel Parts and Functions 1-10
Main Power and Control Panel Power 1-11
How to Turn ON the Main Power 1-11
Control Panel Power Switch 1-12
Shutting Down the Machine 1-13
What This Machine Can Do 1-14
Operations Required to Use the Machine 1-16
Confirm the Following Settings 1-16
Logging In to the Machine as an Administrator 1-17

Installation Location and Handling

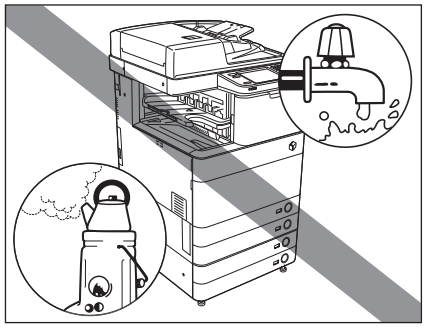
This section describes precautions for installation location and handling. We recommend that you read this section prior to using this machine.

Installation Precautions

Avoid Installing the Machine in the Following Locations

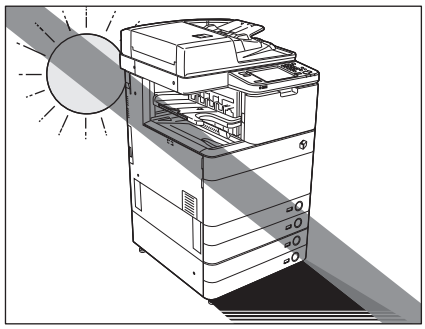
■ Avoid locations subject to temperature and humidity extremes, whether low or high.

For example, avoid installing the machine near water faucets, hot water heaters, humidifiers, air conditioners, heaters, or stoves.



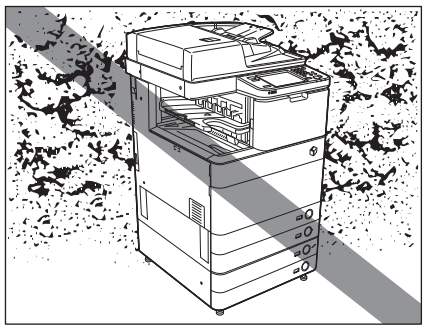
■ Avoid installing the machine in direct sunlight.

If this is unavoidable, use curtains to shade the machine. Be sure that the curtains do not block the machine's ventilation slots or louvers, or interfere with the electrical cord or power supply.



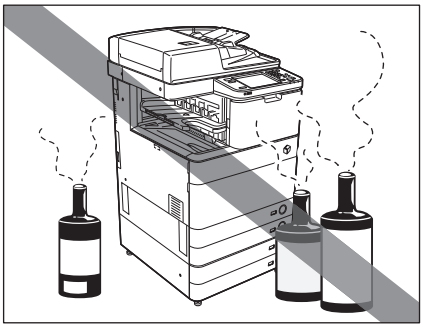
■ Avoid poorly ventilated locations.

This machine generates a slight amount of ozone and other substances during normal use. Although sensitivity to these substances may vary, this amount is not harmful. Ozone may be more noticeable during extended use or long production runs, especially in poorly ventilated rooms. It is recommended that the room be appropriately ventilated, sufficient to maintain a comfortable working environment, in areas of machine operation.



■ Avoid locations where a considerable amount of dust accumulates.

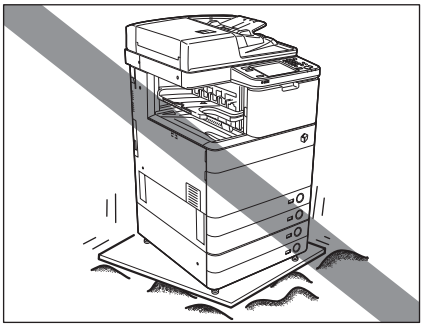
■ Avoid locations where ammonia gas is emitted.



■ Avoid locations near volatile or flammable materials, such as alcohol or paint thinner.

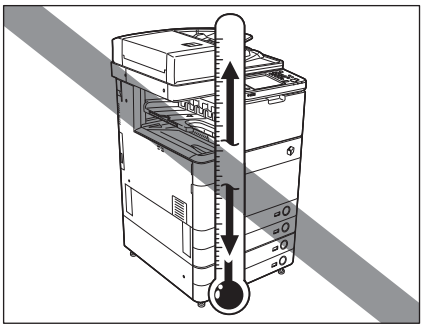
■ Avoid locations that are subject to vibration.

For example, avoid installing the machine on unstable floors or stands.



■ Avoid exposing the machine to rapid changes in temperature.

If the room in which the machine is installed is cold but rapidly heated, water droplets (condensation) may form inside the machine. This may result in a noticeable degradation in the quality of the copied image, the inability to properly scan an original, or the copies having no printed image at all.



■ Avoid installing the machine near computers or other precision electronic equipment.

Electrical interference and vibrations generated by the machine during printing can adversely affect the operation of such equipment.

■ Avoid installing the machine near televisions, radios, or similar electronic equipment.

The machine might interfere with sound and picture signal reception. Insert the power plug into a dedicated power outlet, and maintain as much space as possible between the machine and other electronic equipment.

■ Contact an authorized Canon dealer if communication is unavailable.

Depending on your locale or your telephone connection, you may be unable to perform data communication. In this case, contact your local authorized Canon dealer.

■ Do not remove the machine's leveling feet.

Do not remove the machine's leveling feet after the machine has been installed. If you put weight on the front of the machine while the drawers or units within the machine are pulled out, the machine may fall forward. To prevent this from happening, make sure that the machine's leveling feet are in place.

Select a Safe Power Supply

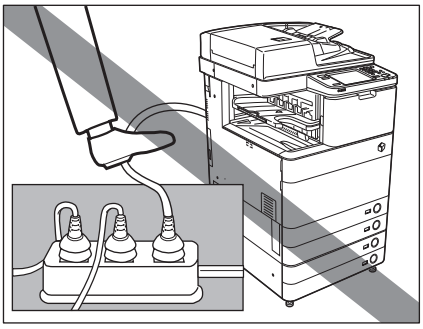
■ **Plug the machine into a 220 - 240 V AC outlet.**

■ **Make sure that the power supply for the machine is safe, and has a steady voltage.**

■ **Do not connect other electrical equipment to the same power outlet to which the machine is connected.**

■ **Do not connect the power cord to a multiplug power strip, as this may cause a fire or electrical shock.**

■ **The power cord may become damaged if it is stepped on, affixed with staples, or if heavy objects are placed on it. Continued use of a damaged power cord can lead to an accident, such as a fire or electrical shock.**

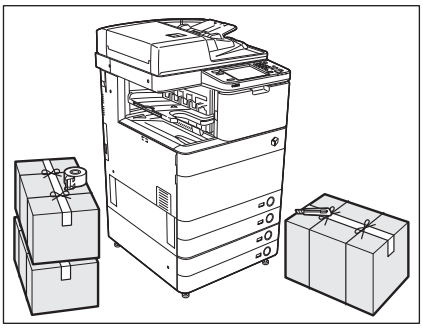


■ **The power cord should not be taut, as this may lead to a loose connection and cause overheating, which could result in a fire.**

■ **If excessive stress is applied to the connection part of the power cord, it may damage the power cord or the wires inside the machine may disconnect. This could result in a fire. Avoid the following situations:**
- Connecting and disconnecting the power cord frequently.
- Tripping over the power cord.
- The power cord is bent near the connection part, and continuous stress is being applied to the power outlet or the connection part.
- Applying excessive force on the power plug.

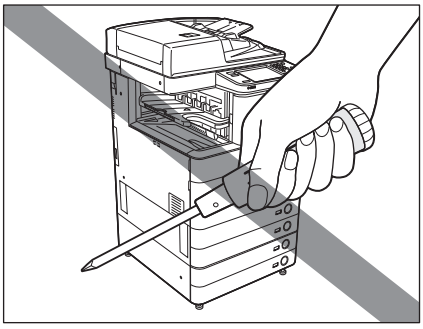
Moving the Machine

■ **If you intend to move the machine, even to a location on the same floor of your building, contact your local authorized Canon dealer beforehand. Do not attempt to move the machine yourself.**



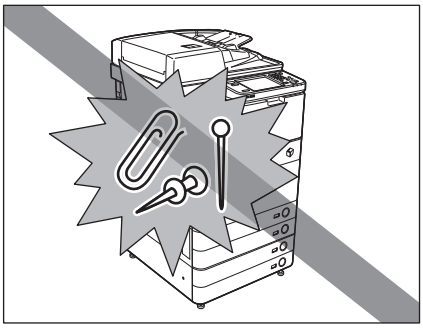
Handling Precautions

■ **Do not attempt to disassemble or modify the machine.**

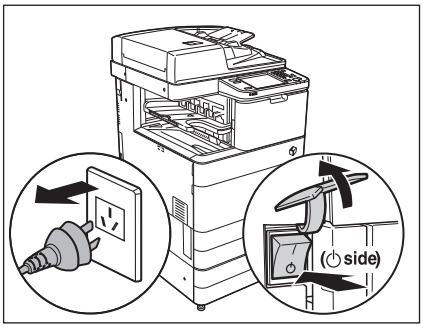


■ **Some parts inside the machine are subject to high-voltages and temperatures. Take adequate precautions when inspecting the inside of the machine. Do not carry out any inspections that are not described in the manuals for this machine.**

■ **Be careful not to spill liquid or drop any foreign objects, such as paper clips or staples inside the machine. If a foreign object comes into contact with electrical parts inside the machine, it might cause a short circuit and result in a fire or electrical shock.**

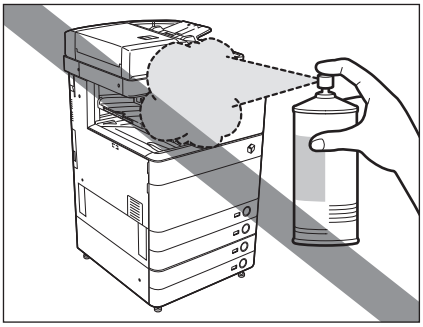


■ **If there is smoke, or unusual noise, immediately turn the main power switch OFF, disconnect the power cord from the power outlet, and then call your local authorized Canon dealer. Using the machine in this state may cause a fire or electrical shock. Also, avoid placing objects around the power plug so that the machine can be disconnected whenever necessary.**



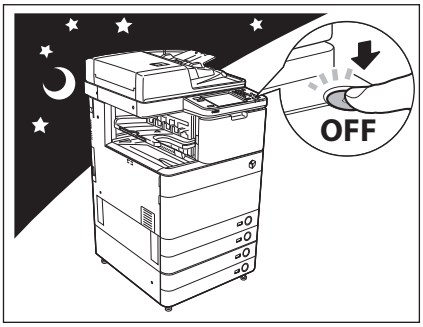
■ **Do not turn the main power switch OFF or open the front covers while the machine is in operation. This may result in paper jams.**

■ **Do not use flammable sprays, such as spray glue, near the machine. There is a danger of ignition.**



■ **This machine generates a slight amount of ozone and other substances during normal use. Although sensitivity to these substances may vary, this amount is not harmful. Ozone may be more noticeable during extended use or long production runs, especially in poorly ventilated rooms. It is recommended that the room be appropriately ventilated, sufficient to maintain a comfortable working environment, in areas of machine operation.**

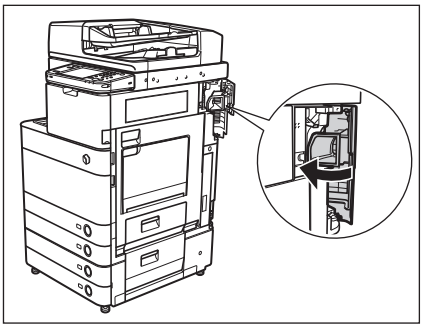
■ **For safety reasons, turn OFF the control panel power switch of the machine when it will not be used for a long period of time, such as overnight. As an added safety measure, turn OFF the main power switch, and disconnect the power cord when the machine will not be used for an extended period of time, such as during consecutive holidays.**



■ **Use a modular cable that is shorter than 3 meters.**

■ **Use a USB cable that is shorter than 3 meters.**

■ **Close the cover on the right side of the machine when using the machine. Continuing to use the machine with the cover open may cause damage to the machine.**



Backing Up/Exporting Data

Various data such as the received data, stored data, address book, and Settings/Registration settings are stored on the internal hard disk of the machine.

A malfunction in the hard disk may cause these data to be lost. Please regularly back up/export your important data.

Please note that Canon will not be held responsible for any damages caused by the loss of data.

You can backup/export the following data:

NOTE

- By using the HDD Mirroring Kit, you can store the same data on two hard disks that are set to the machine and synchronize them. Even in this case, we recommend that you regularly back up/export your important data, as it is possible that a malfunction in both hard disks may cause the data to be lost.
- Also the passwords are backed up at the same time. However, some of the passwords may not be backed up, depending on the type of the password.

Document data in the Advanced Box/Mail Box, forms for the Superimpose Image mode

For information on backing up this data, see e-Manual > Remote UI.

Address book, device settings, Settings/Registration settings, favorite settings for Web Access, Printer settings, paper information

For information on exporting each data, see e-Manual > Remote UI or Web Access.

Quick Menu information

For information on exporting the Quick Menu information, see e-Manual > Quick Menu.

User information of the Advanced Box

For information on exporting the user information of the Advanced Box, see e-Manual > Security.

Data relating to MEAP

- License files for MEAP applications
  For information on backing up (downloading) license files, see e-Manual > MEAP.
- Data stored by MEAP applications
  You may be able to back up data stored by MEAP applications, depending on the application. For more information, see the documentation for each MEAP application.
- User authentication information registered for the Local Device Authentication system of SSO-H (Single Sign-On H)
  For information on exporting user authentication information, see e-Manual > MEAP.

NOTE

If your machine is not connected to a network, it is recommended that you print and store important information such as the Address Book. (See e-Manual > Settings/Registration.)

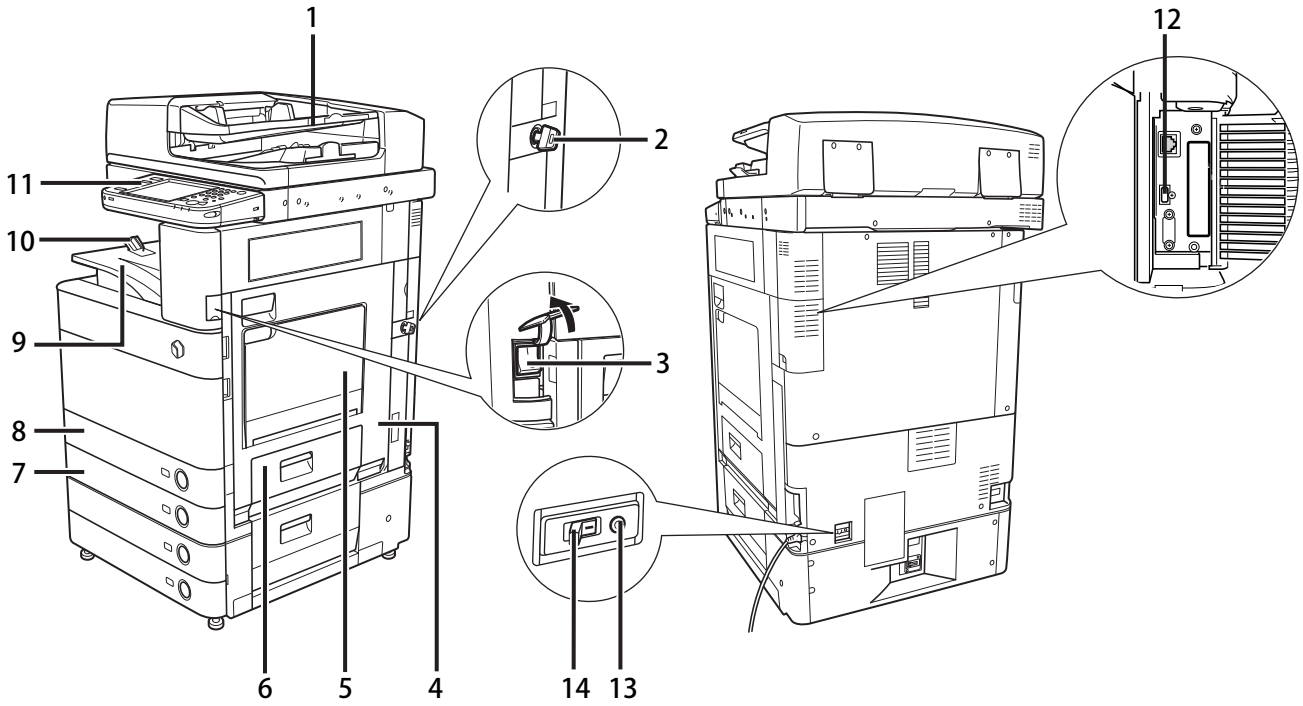
Parts and Their Functions

This section provides you with the names and functions of all the parts on the outside and inside of the main unit, control panel, and the touch panel display. An illustration of the machine with some optional products attached to it is also provided.

For more information on optional products, parts and their functions, see e-Manual > Optional Products.

External View

The Duplex Color Image Reader Unit-B1 and Cassette Feeding Unit-AD1 are attached.



① **Feeder (Optional)**
Originals placed in the feeder are fed one sheet at a time to the platen glass for scanning.

② **Security Key (Optional)**
For managing the use of the machine and preventing unauthorized copies. (See "Legal Limitations on the Usage of Your Product and the Use of Images," on p. xx.)

③ **Main Power Switch**
Press to the "I" side to turn the power ON. (See "Main Power and Control Panel Power," on p. 1-11.)

④ **Main Unit's Right Cover**
Open this cover when clearing a paper jam inside the main unit. (See e-manual > Problem Solving.)

⑤ **Multi-purpose tray**
Use the multi-purpose tray to feed paper manually, and for loading nonstandard paper stock, such as envelopes. (See e-manual> Basic Operations.)

⑥ **Paper Drawer's Right Cover**
Open this cover when clearing a paper jam in Paper Drawers 1 and 2.

⑦ **Paper Drawer 2**
Holds up to 550 sheets of paper (80 g/m^2).

⑧ **Paper Drawer 1**
Holds up to 550 sheets of paper (80 g/m^2).

⑨ **Output Tray**
Prints and copies are output to this tray.

⑩ **Output Paper Tray Guide**
Tilt the output paper tray guide up to prevent output papers from falling down.

⑪ **Control Panel**
Includes the keys, touch panel display, and indicators required for operating the machine. (See "Control Panel Parts and Functions," on p. 1-10.)

⑫ **USB Port**
Use the USB port to connect external hard disks and other devices to the machine.

⑬ **Test Button**
Press this button to periodically test the circuit breaker. (See "Periodic Inspection of the Breaker," on p. xxvii.)

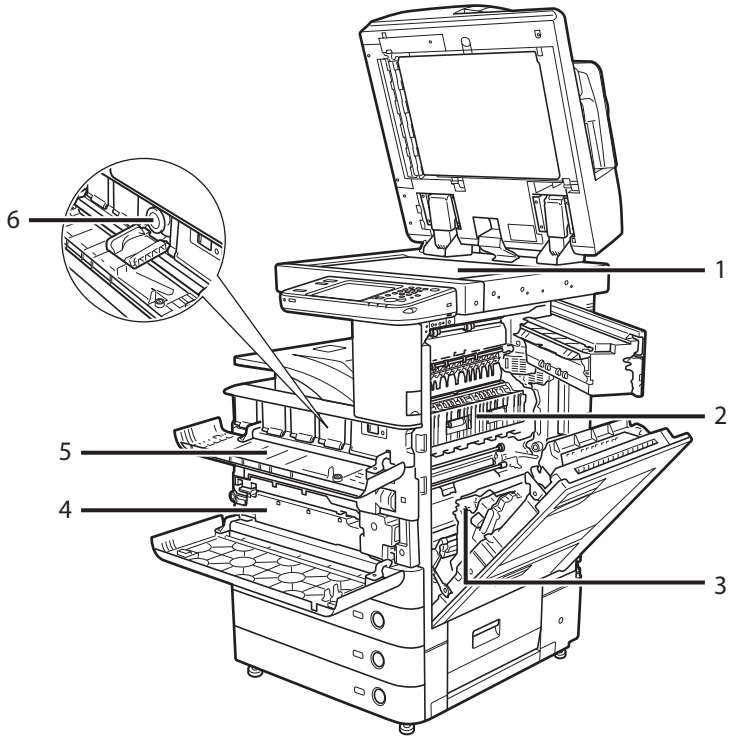
⑭ **Breaker**
Detects excess current or leakage current. (See "Periodic Inspection of the Breaker," on p. xxvii.)

NOTE

For more information on the optional products that can be attached to the machine, see e-Manual > Optional Products.

Internal View

The Duplex Color Image Reader Unit-B1 and Cassette Feeding Unit-AD1 are attached.



① **Platen Glass**
Use the platen glass when scanning books, thick originals, thin originals, transparencies, etc.

② **Fixing Unit's Upper Cover**
Open this cover to clear a paper jam in the fixing unit. (See e-manual > Problem Solving.)

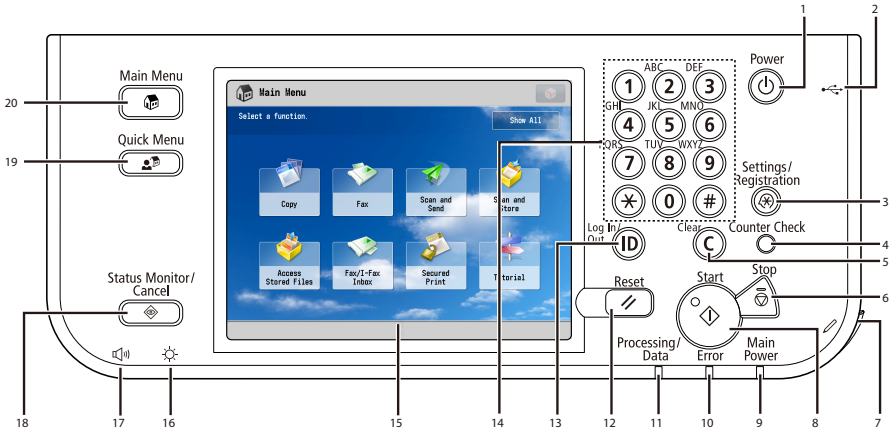
③ **Duplexing Unit**
Pull out the duplexing unit to clear a paper jam. (See e-manual > Problem Solving.)

④ **Waste Toner Container**
Collects the waste toner.

⑤ **Toner replacement cover**
Open this cover to replace the toner cartridge.

⑥ **Toner Cartridge**
When toner runs out, pull out the toner cartridge, and replace it with a new one. Toner cartridges are sold separately (not standard equipment).(See e-manual > Maintenance.)

Control Panel Parts and Functions



① **Control Panel Power Switch (Sub Power Supply)**
Press to set or cancel the Sleep mode.

② **USB Port**
Use to connect memory media to the machine via USB.

③ **Settings/Registration key**
Press to specify settings/registration.

④ **Counter Check key**
Press to display the copy and print count totals on the touch panel display.

⑤ **Clear key**
Press to clear entered values or characters.

⑥ **Stop key**
Press to stop a job in progress, such as a scan, copy, or fax (scanning only) job.

⑦ **Edit Pen**
Use when operating the touch panel display, such as to enter characters. If you lose the edit pen, contact your local authorized Canon dealer. Do not use an object with a sharp end on the control panel, such as a pencil or ballpoint pen, in place of the edit pen.

⑧ **Start key**
Press to start an operation.

⑨ **Main Power Indicator**
Lights when the main power is turned ON.

⑩ **Error Indicator**
Flashes or lights if there is an error in the machine. When the Error indicator flashes, follow the instructions that appear on the touch panel display. When the Error indicator maintains a steady red light, contact your local authorized Canon dealer.

⑪ **Processing/Data Indicator**
Flashes or blinks green when the machine is performing operations, and maintains a steady green light when fax data is stored in memory.

⑫ **Reset key**
Press to restore the standard settings of the machine.

⑬ **ID (Log In/Out) key**
Press to log in/out when a login service such as Department ID Management or SSO-H has been set.

⑭ **Numeric keys**
Press to enter numerical values.

⑮ **Touch Panel Display**
The settings screen for each function is shown on this display. Eight function keys are displayed by default.

⑯ **Brightness Adjustment Dial**
Use to adjust the brightness of the touch panel display.

⑰ **Volume Settings Key**
Press to display the screen for adjusting settings such as the transmission volume and fax sending/receiving alarm volume.

⑱ **Status Monitor/Cancel key**
Press to check the status of jobs or to cancel print jobs. Also, press to check status of the machine, such as checking the amount of paper remaining.

⑲ **Quick Menu key**
Press to retrieve favorite functions stored in Quick Menu. Also, if you are using authentication, Quick Menu set for each individual user can be displayed. (See e-manual > Quick Menu.)

⑳ **Main Menu key**
Press to return to the Main Menu screen such as when you want to switch functions.

Main Power and Control Panel Power

The machine is provided with two power switches, a main power switch and a control panel power switch, as well as a breaker that detects excess current or leakage current.

How to Turn ON the Main Power

This section explains how to turn ON the main power.

IMPORTANT

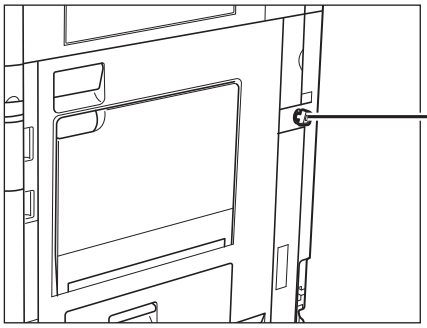
If you want to turn OFF the main power and then back ON again, wait for at least 10 seconds after the main power indicator is turned OFF before turning ON the main power.

1 **Make sure that the power plug is firmly inserted into the power outlet.**

WARNING

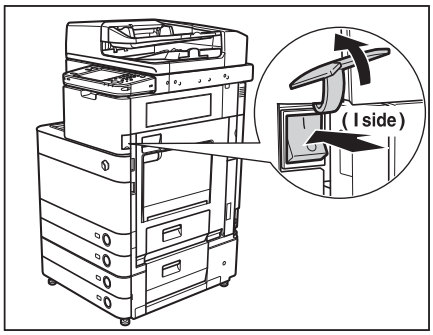
Do not connect or disconnect the power cord with wet hands, as this may result in electrical shock.

2 **If the Security Key is inserted into the machine, make sure that it is in the ON positions (turn it to the right).**



Security Key
When using the machine, insert the security key into the key switch unit, and then turn it to the right.

3 **Press the main power switch to the ON ("I" side) position.**



The main power indicator on the control panel lights when the main power switch is turned ON.

When operating the main power switch, open the main power switch cover.

IMPORTANT

If the main power indicator on the control panel does not light even though the main power switch is ON, be sure to check the breaker to see if it is OFF. (See e-manual > Problem Solving.)

4 Various screens are displayed when system software is loading.

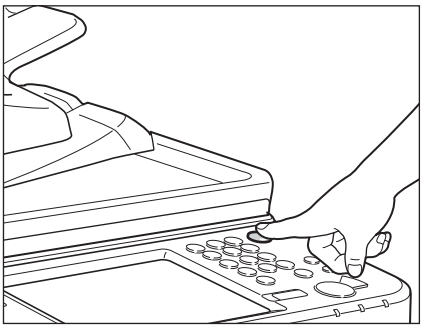
If you are using a login service, log in using the procedure for the login service you are using.

NOTE

- You can select which functions to display on the screen when turning ON the main power, according to the Settings/Registration settings. (See e-Manual > Settings/Registration.)
- If a Macintosh, which has been shut down, is connected to the machine via a USB cable, when you turn the machine ON, the Macintosh may also turn ON. In this case, disconnect the Macintosh from the machine. (You may also be able to solve this problem by using a USB hub between the machine and the Macintosh).
- If you are using Department ID Management with the Card Reader-C1/Copy Card Reader-F1, see e-Manual > Optional Products.
- If you are using Department ID Management, see e-Manual > Basic Operations.
- If you are using SSO-H, see e-Manual > Basic Operations.

Control Panel Power Switch

Press the control panel power switch to cancel the Sleep mode and resume normal machine operations.



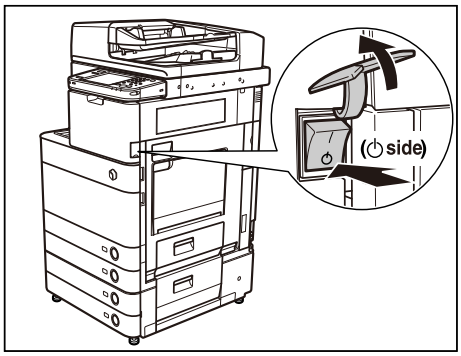
NOTE

The machine can receive and print documents from a personal computer when it is in the Sleep mode. I-fax and fax documents can also be received while the machine is in the Sleep mode.

Shutting Down the Machine

This section explains how to turn OFF the main power. If there are any jobs currently being processed, or a MEAP application is running when the Shutdown mode is activated, the machine asks you to confirm and cancel any existing jobs, and then access to the hard disk is restricted. This procedure protects the hard disk from access errors the next time the machine is turned ON. When the machine shuts down, it also performs an internal cooling down process, which enables the machine to be shut down safely.

1 **Press the main power switch to the "⏻" side.**



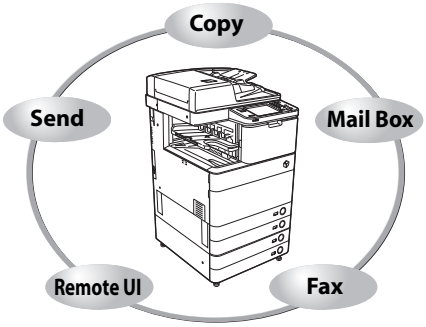
When operating the main power switch, open the main power switch cover.

IMPORTANT

- Do not turn the main power OFF while using the Fax/I-Fax function. Fax and I-fax documents cannot be sent and received when the main power is turned OFF.
- The machine may continue to operate during the shutdown process. Do not unplug the power cord until the main power indicator of the machine is OFF.
- If the main power is turned OFF during scanning or printing, a paper jam may occur.

What This Machine Can Do

All the elements you will ever need in a color digital multitasking machine.



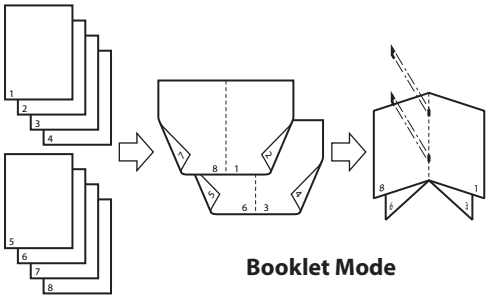
The imageRUNNER ADVANCE C5051/C5045/C5035/C5030 incorporates a rich array of input and output features that can greatly enhance your efficiency. Equipped with features that meet the needs of document work in a digitized office, the imageRUNNER ADVANCEC5051/C5045/C5035/C5030 represents the ultimate in color digital multitasking machines.

An asterisk (*) indicates functions which require optional equipment. For information on the optional equipment required to use each function, and the available combinations of optional equipment, see "Confirm the Following Settings," on p. 1-16.

Copying*

See e-Manual > Copy

In addition to normal copying functions, convenient new functions, such as "Copy Sample" which helps to avoid copy errors, "Booklet" for making copies into booklets, and "Different Size Originals" for copying originals of different sizes together in one copy operation, are provided to increase your productivity.

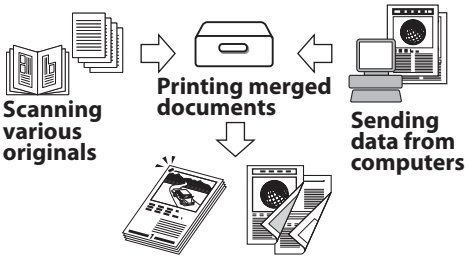


Storing Scanned Data*/Printing Stored Data

See e-Manual > Scan and Store, Access Stored Files

The Scan and Store function enables you to save document data that has been scanned from the scanner unit or created on a computer. The saved data can be printed at a specified time, or merged with separately saved data or data created on a computer for simultaneous processing.

Also, if you use the functions of the Advanced Box, you can set a file format (PDF, JPEG, TIFF) to the scanned original, so that it can be accessed from your computer. The Advanced Box can be opened to the public as an SMB server or WebDAV server. You can access the Advanced Box from your computer and move files from your computer to the machine or vice-versa.

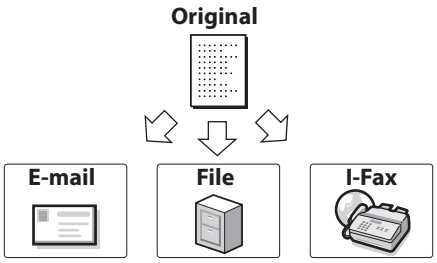


Sending Function*

See e-Manual > Scan and Send

The Send function enables you to send scanned image or document data to file servers, or send it by e-mail or I-fax. A variety of file formats are supported (PDF, JPEG, TIFF, and XPS), which offer you greater flexibility in accommodating digital workplace environments.

If the Universal Send Advanced Feature Set is activated, you can add Office Open XML (pptx) to the list of supported file formats.

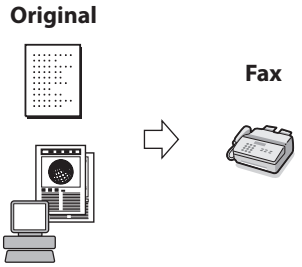


Faxing*

See e-Manual > Using the Machine to Send/Receive a Fax, Fax/I-Fax Inbox

In addition to normal facsimile functions, the machine offers you Super G3 compatibility, which enables you to transmit documents at high speeds, greatly reducing transmission costs as compared to conventional facsimile machines. Scanned documents as well as documents stored in the Mail Box/Memory RX Inbox, and computer data can be sent by facsimile. You can also send documents to multiple addresses and forward received facsimile to another destination.

Also, by using the Remote Fax function, you can share the fax function on the same network.

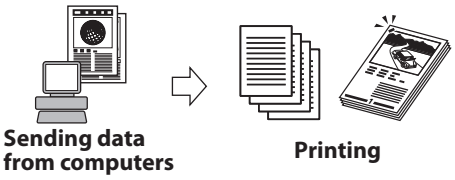


Printing

See e-Manual > Print

You can use this machine as a high-speed network printer. Various outputs are also possible when printing, such as 2-sided printing and page alignment.

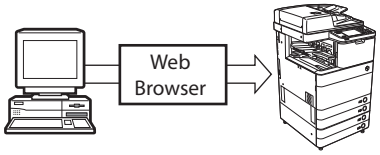
If the PS Printer Kit is activated, or if the ColorPASS, PS-GX, or the imagePASS is attached, you can use this machine as the postscript printer with the Adobe PostScript3 software.



Using the Remote User Interface

See e-Manual > Remote UI

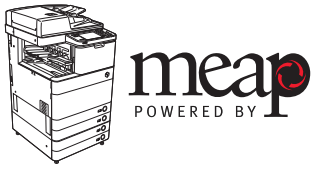
You can control functions, such as confirming the status of the machine, job operations, and printing instructions for saved scanned documents and data, all from your computer's Web browser.



Applying MEAP

See e-Manual > MEAP

The MEAP (Multifunctional Embedded Application Platform) incorporated in the machine enables you to install applications to expand the functions of the machine.

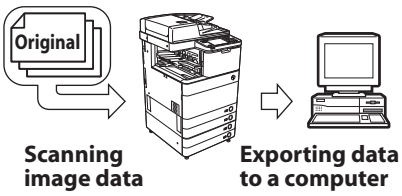


Scanning Documents into Your Computer*

See e-Manual > Scanner

The Network Scan function enables you to use the imageRUNNER ADVANCE C5051/C5045/C5035/C5030 as a conventional scanner. You can scan a document using the machine, and read the data in an application you are using on your computer. You can scan images of up to A3 in size at a resolution of 600x600 dpi.

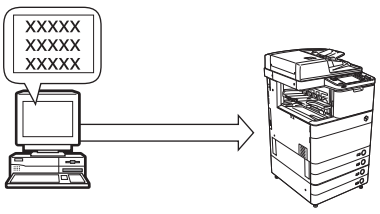
*The Network ScanGear software is supplied on the accompanying CD-ROM. For more information on the Network Scan function, see e-Manual > Scanner.



Applying Utilities

See e-Manual > Software

You can specify various settings of the machine connected to a network when using utility software. You can specify initial settings, confirm the status of the machine, and manage documents.



Operations Required to Use the Machine

This section describes the flow of operations and settings for the functions you will use.

Confirm the Following Settings

Some functions of the machine require optional equipment and operations/settings.

If you want to use functions that require license registration, see "Installing the System Options/MEAP Applications," on p. 9-1. See the flowcharts in this section for functions that require operations or settings.

NOTE

For more information on the optional equipment required to connect the machine to a network, see Chapter 2, "Before Connecting to a Network."

Function		Optional Equipment Required	License Registration	Operations Required
Copying		Color Image Reader Unit	-	None
Scanning and Storing Documents	Mail Box	Color Image Reader Unit	-	None
	Advanced Box/ Network	Color Image Reader Unit	-	See "Flow of Settings for Using Each Function" at the beginning of this manual.
	Memory Media	Color Image Reader Unit	-	None*2
Using the Stored Documents	Mail Box	None	-	None
	Advanced Box/ Network	None	-	See "Flow of Settings for Using Each Function" at the beginning of this manual.
	Memory Media	None	-	None*2
Scanning and Sending Documents	E-Mail/I-Fax	Color Image Reader Unit	-	See "Flow of Settings for Using Each Function" at the beginning of this manual.
	Sending Documents to File Servers	Color Image Reader Unit	-	See "Flow of Settings for Using Each Function" at the beginning of this manual.
Fax	Sending Documents from the Machine	Color Image Reader Unit/FAX Board	Not required	See "Flow of Settings for Using Each Function" at the beginning of this manual.
	Receiving Documents on the Machine	FAX Board	Not required	None
	Sending Documents from a Computer via the Machine	FAX Board	Not required	See "Flow of Settings for Using Each Function" at the beginning of this manual.
	Sending and Receiving Documents via the Remote Fax Server	Remote Fax Kit	Required	See "Flow of Settings for Using Each Function" at the beginning of this manual.
Printing		None*1	-*1	See "Flow of Settings for Using Each Function" at the beginning of this manual.
Remote UI		None	-	See "Flow of Settings for Using Each Function" at the beginning of this manual.
MEAP Management Function (SMS)		None	-	See "Flow of Settings for Using Each Function" at the beginning of this manual.

Function	Optional Equipment Required	License Registration	Operations Required
Registering/Updating Software (Delivery)	None	-	See "Flow of Settings for Using Each Function" at the beginning of this manual.
Registering/Updating Software (Manual)	None	-	See "Flow of Settings for Using Each Function" at the beginning of this manual.
Scanning	Color Image Reader Unit	-	See "Flow of Settings for Using Each Function" at the beginning of this manual.

*1 Optional equipment and/or license registration may be required, depending on the print function.

*2 The default setting for displaying memory media is 'Off'. To use the memory media, press [Display Settings] in Preferences (Settings/Registration) → press [Store Location Display Settings] → [Memory Media] → [On].

Logging In to the Machine as an Administrator

To specify the settings, you must log in to the machine as an administrator.

IMPORTANT

The operations available on the Settings/Registration screen vary between administrators and general users.

- For Administrators:
  The administrator or the SSO-H (Single Sign-On H) Administrator can specify all of the system settings for the machine. For information on the types of administrators, see e-Manual > Security.
  As a default, system manager settings (System Manager ID/System Password) are set on the machine. Thus, the system manager must log in by entering the System Manager ID and the System Password. The default setting for both the System Manager ID and System Password is '7654321'. We recommend that you change both the System Manager ID and System Password. For information on the system manager settings, see e-Manual > Security. For information on the Settings/Registration items available with administrator privileges, see e-Manual > Security or Remote UI.
- For General Users:
  Some items on the Settings/Registration screen may be restricted for general users. Items that a user does not have operating privileges for are grayed out and cannot be selected on the touch panel display. Items that a user does not have operating privileges for are not displayed on the Remote UI.

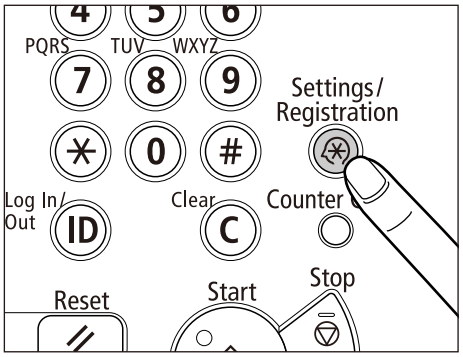
NOTE

This section describes the procedures assuming that the machine is in default setting. If the Department ID Management or authentication for SSO-H is set, enter the necessary items for each log in.

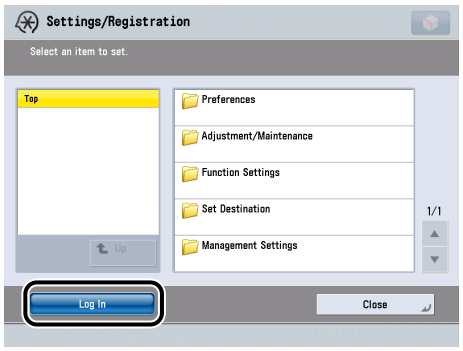
Logging in from the Touch Panel Display

After pressing (Settings/Registration) on the control panel, log in as the administrator using the touch panel display.

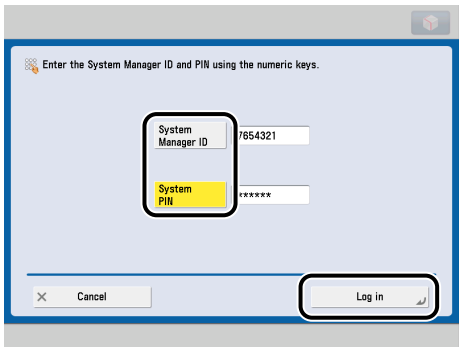
1 **Press (Settings/Registration).**



2 Press [Log In].



3 Enter the System Manager ID and System Password → press [Log in].



When you are finished with the operation, press [Log Out] or (ID) (Log In/Out) on the control panel to log out.

Logging in from the Remote UI

Connect to the machine using the Remote UI and log in as an administrator.

NOTE

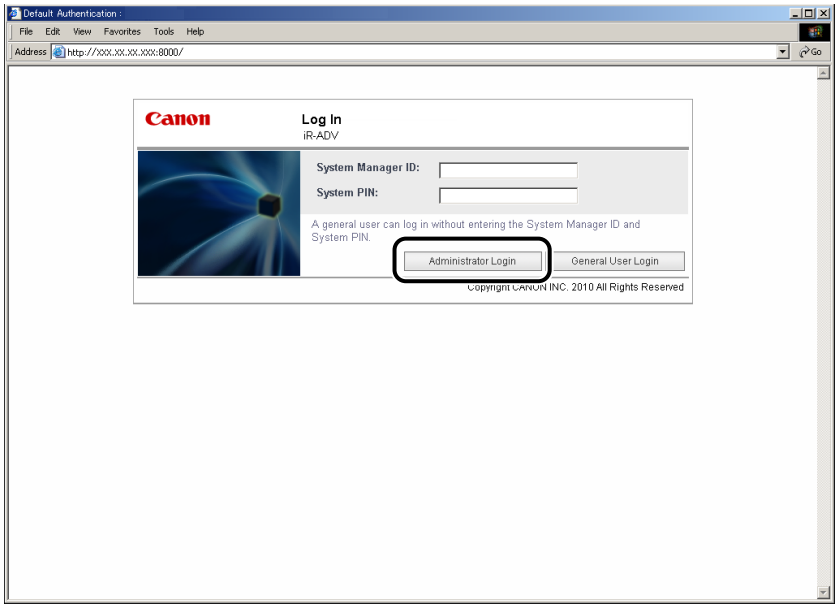
- For information on the log in service, see e-Manual > MEAP. If the authentication function is not set, the Log In screen is not displayed.
- For information on necessary system environment and preparation to start the Remote UI, see "System Requirements for Using the Remote UI" on p.8-2 and "Enabling the Remote UI" on p.8-4.

1 Start your Web browser.

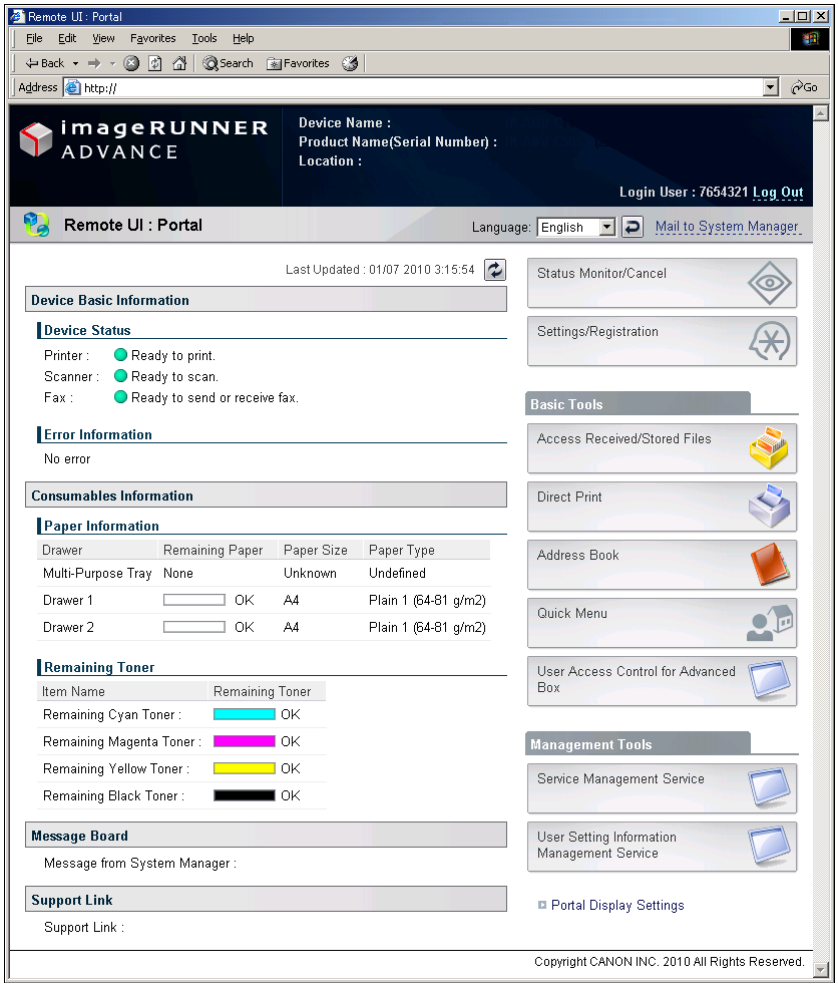
2 Enter the following URL in [Address]:

http://<IP address of the machine or host name>

3 Enter the System Manager ID and System Password → click [Administrator Login].



When you are finished with the operation, click [Log Out] to log out.



Before Connecting to a Network

2

CHAPTER

This section describes what you need to know before connecting the machine to a network, including the network environments with which the machine is compatible, and how to check the network environment you are using.

Optional Equipment and System Requirements for Connecting to a Network 2-2
Printing or Sending a Fax from a Computer 2-2
Using E-Mail/I-Fax 2-5
Sending Data 2-6
Checking Your Network Environment 2-9
Sample Windows Network 2-9
Sample Macintosh Network 2-9
Sample UNIX Network 2-9
Using a Network with Various Types of Computers 2-10

Optional Equipment and System Requirements for Connecting to a Network

This section describes the optional equipment and system environments required to connect the machine to a network.

IMPORTANT

For more information on the equipment needed, consult your local authorized Canon dealer.

NOTE

By connecting the machine to the network, its settings and operations can be performed on computers using the Remote UI and other utilities, without the need for any optional equipment. For more information on the Remote UI, see e-Manual > Remote UI. For more information on utilities, see e-Manual > Software.

Printing or Sending a Fax from a Computer

Optional Equipment Requirements

■ Printing

- If you want to use the UFR II printer driver
  - Optional equipment is unnecessary
- If you want to use the PCL printer driver
  - PCL Printer Kit
- If you want to use the PS printer driver (one of the following)
  - PS Printer Kit
  - imagePASS
  - ColorPASS, for the imageRUNNER ADVANCE C5051
  - PS-GX, for the imageRUNNER ADVANCE C5051

IMPORTANT

- To print with Mac OS 9, you need to use a PS printer driver provided by Apple Inc. with the Mac OS, via an AppleTalk network.
- The PS printer driver can be used only in a Mac OS X 10.3.9 or later environment. Also, you cannot print documents via an AppleTalk network.
- If you are using the imagePASS, the ColorPASS, or the PS-GX, see the manual provided with the imagePASS, the ColorPASS, or the PS-GX.
- If you are using the imagePASS, the ColorPASS, or the PS-GX, some functions are not available with this machine. For details, see the manual provided with the imagePASS, the ColorPASS, or the PS-GX.
- The following optional equipment is not available in some regions:
  - ColorPASS
  - PS-GX

■ Sending a Fax (for a TCP/IP, SMB/CIFS, or NetWare network)

- Super G3 FAX Board

NOTE

For details about FAX Boards, see e-Manual > Optional Products.

System Requirements

The following network and system environments are compatible when printing or sending a fax from a computer:

IMPORTANT

If you are using Windows 2000, you need to install Service Pack 2 or later.

■ With a TCP/IP Network:

- Compatible OS
  - Microsoft Windows 2000 Server
  - Microsoft Windows 2000 Professional
  - Microsoft Windows XP Professional
  - Microsoft Windows XP Home Edition
  - Microsoft Windows Server 2003
  - Microsoft Windows Server 2008
  - Microsoft Windows Vista Ultimate
  - Microsoft Windows Vista Business
  - Microsoft Windows Vista Home Premium
  - Microsoft Windows Vista Home Basic
  - Microsoft Windows Vista Enterprise
  - Microsoft Windows 7
  - Solaris Version 1.1x (SunOS Version 4.1x) or later
  - Solaris Version 2.5x (SunOS Version 5.5x) or later
  - Mac OS X 10.3 or later
- Computers/memory
  - Any computer which runs the above operating system software properly

IMPORTANT

If you are using Mac OS X, compatible operating systems differ depending on the type of printer driver. For details, see Chapter 14, "Before Printing from Computers".

■ With an SMB/CIFS Network:

- Compatible OS
  - Microsoft Windows 2000 Server
  - Microsoft Windows 2000 Professional
  - Microsoft Windows XP Professional
  - Microsoft Windows XP Home Edition
  - Microsoft Windows Server 2003
  - Microsoft Windows Server 2008
  - Microsoft Windows Vista Ultimate
  - Microsoft Windows Vista Business
  - Microsoft Windows Vista Home Premium
  - Microsoft Windows Vista Home Basic
  - Microsoft Windows Vista Enterprise
  - Microsoft Windows 7
  - Mac OS X 10.3
  - Mac OS X 10.4
- Compatible Protocol
  - NetBIOS over TCP/IP (NetBT)
- Computers/memory
  - Any computer which runs the above operating system software properly

IMPORTANT

When you are using Mac OS X 10.3/10.4, you can only print via an SMB/CIFS network if you are using a PS printer driver provided by Apple Inc. with the Mac OS.

■ With a NetWare Network:

- Compatible Servers
  - Novell NetWare Version 3.2/4.1/4.11/4.2/5/5.1/6/6.5
- Compatible Clients
  - Microsoft Windows 2000 Server
  - Microsoft Windows 2000 Professional
  - Microsoft Windows XP Professional
  - Microsoft Windows XP Home Edition
  - Microsoft Windows Server 2003
  - Microsoft Windows Server 2008
  - Microsoft Windows Vista Ultimate
  - Microsoft Windows Vista Business
  - Microsoft Windows Vista Home Premium
  - Microsoft Windows Vista Home Basic
  - Microsoft Windows Vista Enterprise
  - Microsoft Windows 7
- Computers/memory
  - Any computer which runs the above operating system software properly

■ With an AppleTalk Network:

- Compatible AppleTalk
  - EtherTalk Phase 2
- See Chapter 14, "Before Printing from Computers," for compatible operating systems and computers.

IMPORTANT

The machine does not support Macintosh LocalTalk networks.

■ With a Server-Based Computing Environment:

- Compatible Windows Terminal Server (Services)
  - Microsoft Windows 2000 Server
  - Microsoft Windows Server 2003
  - Microsoft Windows Server 2008
- Compatible Software
  - Citrix MetaFrame 1.8
  - Citrix MetaFrame XP

Using E-Mail/I-Fax

Optional Equipment Requirements

Optional equipment is not required for using the e-mail/I-fax functions.

IMPORTANT

- To scan originals using the feeder or platen glass, Color Image Reader Unit is necessary.
- If you are using the imagePASS or the PS-GX, see the manual provided with the imagePASS or the PS-GX.
- If you are using the imagePASS or the PS-GX, some functions are not available with this machine. For details, see the manual provided with the imagePASS or the PS-GX.

System Requirements

The following system environments are confirmed for using the e-mail/I-fax functions:

- Compatible mail forwarding server software
  - Sendmail 8.93 or later (UNIX)
  - Microsoft Exchange Server (Windows)
    (Microsoft Exchange Server 5.5 + Service Pack 1 or later)
  - Lotus Domino R4.6 or later (Windows)
- Compatible mail receiving server software
  - Qpopper 2.53 or later (UNIX)
  - Microsoft Exchange Server (Windows)
    (Microsoft Exchange Server 5.5 + Service Pack 1 or later)
  - Lotus Domino R4.6 or later (Windows)

IMPORTANT

If you are using Windows 2000, you need to install Service Pack 2 or later.

NOTE

- The machine sends e-mail or I-fax messages to mail servers using SMTP.
  The machine can receive incoming messages from a mail server using the POP3 protocol or directly using the machine's own SMTP receiving function.
  If the latter method is used, it is not necessary for the mail server to support the POP3 protocol.
- The machine can receive I-fax images and error e-mail messages sent when errors occur during communication, but not any other type of e-mail.

Sending Data

Optional Equipment Requirements

Optional equipment is not required for sending data.

IMPORTANT

- To scan originals using the feeder or platen glass, Color Image Reader Unit is necessary.
- If you are using the imagePASS or the PS-GX, see the manual provided with the imagePASS or the PS-GX.
- If you are using the imagePASS or the PS-GX, some functions are not available with this machine. For details, see the manual provided with the imagePASS or the PS-GX.

System Requirements

The following network and system environments are compatible when sending data from the machine to a file server, depending on the type of network used:

IMPORTANT

If you are using Windows 2000, you need to install Service Pack 2 or later.

■ With a TCP/IPv4 Network (Using FTP):

- Compatible servers
  - Microsoft Windows 2000 Server and Internet Information Services (IIS) 5.0
  - Microsoft Windows XP Professional and IIS 5.1
  - Microsoft Windows Server 2003 and IIS 6.0
  - Microsoft Windows Server 2008 and IIS 7.0
  - Microsoft Windows Vista Ultimate and IIS 7.0
  - Microsoft Windows Vista Business and IIS 7.0
  - Microsoft Windows Vista Home Premium and IIS 7.0
  - Microsoft Windows Vista Home Basic and IIS 7.0
  - Microsoft Windows Vista Enterprise and IIS 7.0
  - Microsoft Windows 7
  - Solaris Version 2.6 or later
  - Red Hat Linux 7.2 or later
  - Mac OS X
- Compatible protocol
  - TCP/IPv4

■ With a TCP/IPv6 Network (Using FTP):

- Compatible servers
  - Solaris Version 9 or later
  - Red Hat Enterprise Linux AS/ES/WS 4.0 or later
  - Mac OS X 10.3 or later
- Compatible protocol
  - TCP/IPv6

■ With a TCP/IPv4 Network (Using WebDAV):

- Compatible servers
  - Microsoft Windows 2000 Server and IIS 5.0
  - Microsoft Windows 2000 Professional and IIS 5.0
  - Microsoft Windows XP Professional and IIS 5.1
  - Microsoft Windows Server 2003 and IIS 6.0
  - Microsoft Windows Server 2008 and IIS 7.0
  - Microsoft Windows Vista Ultimate and IIS 7.0
  - Microsoft Windows Vista Business and IIS 7.0
  - Microsoft Windows Vista Home Premium and IIS 7.0
  - Microsoft Windows Vista Home Basic and IIS 7.0
  - Microsoft Windows Vista Enterprise and IIS 7.0
  - Microsoft Windows 2000 Server and Apache 2.0 for Win 32
  - Microsoft Windows XP Professional and Apache 2.0 for Win 32
  - Microsoft Windows Server 2003 and Apache 2.0 for Win 32
  - Microsoft Windows Server 2008 and Apache 2.0 or later
  - Microsoft Windows Vista Ultimate and Apache 2.0 or later
  - Microsoft Windows Vista Business and Apache 2.0 or later
  - Microsoft Windows Vista Home Premium and Apache 2.0 or later
  - Microsoft Windows Vista Home Basic and Apache 2.0 or later
  - Microsoft Windows Vista Enterprise and Apache 2.0 or later
  - Microsoft Windows 7
  - Solaris Version 2.6 or later, and Apache 2.0 or later
  - Red Hat Enterprise Linux AS/ES/WS 4.0 or later, and Apache 2.0 or later
  - Mac OS X
- Compatible protocol for the WebDAV server
  - TCP/IPv4

■ With a TCP/IPv6 Network (Using WebDAV):

- Compatible servers
  - Microsoft Windows Server 2003 and IIS 6.0
  - Microsoft Windows Server 2008 and IIS 7.0
  - Microsoft Windows Vista Ultimate and IIS 7.0
  - Microsoft Windows Vista Business and IIS 7.0
  - Microsoft Windows Vista Home Premium and IIS 7.0
  - Microsoft Windows Vista Home Basic and IIS 7.0
  - Microsoft Windows Vista Enterprise and IIS 7.0
  - Microsoft Windows Server 2008 and Apache 2.0 or later
  - Microsoft Windows Vista Ultimate and Apache 2.0 or later
  - Microsoft Windows Vista Business and Apache 2.0 or later
  - Microsoft Windows Vista Home Premium and Apache 2.0 or later
  - Microsoft Windows Vista Home Basic and Apache 2.0 or later
  - Microsoft Windows Vista Enterprise and Apache 2.0 or later
  - Microsoft Windows 7
  - Solaris Version 9 or later, and Apache 2.0 or later
- Compatible protocol for the WebDAV server
  - TCP/IPv6

IMPORTANT

If you connect to the Internet via a proxy, the proxy server must support IPv6.

■ With an SMB/CIFS Network:

- Compatible servers
  - Microsoft Windows 2000 Server
  - Microsoft Windows 2000 Professional
  - Microsoft Windows XP Professional
  - Microsoft Windows XP Home Edition
  - Microsoft Windows Server 2003
  - Microsoft Windows Server 2008
  - Microsoft Windows Vista Ultimate
  - Microsoft Windows Vista Business
  - Microsoft Windows Vista Home Premium
  - Microsoft Windows Vista Home Basic
  - Microsoft Windows Vista Enterprise
  - Microsoft Windows 7
- Compatible server software for sending data
  - Samba 2.2.8a or later (UNIX/Linux/Mac OS X 10.3/10.4)
- Compatible protocol
  - NetBIOS over TCP/IP (NetBT)

Checking Your Network Environment

Refer to the following examples to confirm the network environment that is connected to the machine, and then perform the necessary operations for that environment.

IMPORTANT

- If you are using the imagePASS, the ColorPASS, or the PS-GX, see the manual provided with the imagePASS, the ColorPASS, or the PS-GX.
- If you are using the imagePASS, the ColorPASS, or the PS-GX, some functions are not available with this machine. For details, see the manual provided with the imagePASS, the ColorPASS, or the PS-GX.

Sample Windows Network

In a Windows network environment, the TCP/IP or NetBIOS (NetBIOS over TCP/IP) protocol can be used. Multiple protocols can be used at the same time.

In addition to IPv4 (Internet Protocol Version 4), the machine also supports IPv6 (Internet Protocol Version 6), and has a dual stack configuration that enables it to communicate with both IPv4 networks and IPv6 networks. You can select whether to use the functions of IPv4 or IPv6. You can also enable the functions of both IPv4 and IPv6. The IPv4 network and IPv6 network used by the machine supports IPSec (Security Architecture for Internet Protocol). (See e-Manual > Network.) For information on the optional products required to use the IPSec function, see e-Manual > Optional Products.

To use the e-mail/I-fax function, the TCP/IP protocol is required.

After configuring the settings in accordance with Chapter 3, "Settings Common to the Network Protocols," see the following, depending on the protocol:

- Chapter 4, "Using a TCP/IP Network"
- Chapter 6, "Using an SMB/CIFS Network"

IMPORTANT

- The machine does not support NetBEUI.
- If you are using the imagePASS, the ColorPASS, or the PS-GX, some functions are not available with this machine. For details, see the manual provided with the imagePASS, the ColorPASS, or the PS-GX.

Sample Macintosh Network

In Mac OS 8/9, the AppleTalk (EtherTalk) protocol is used. In Mac OS X, either the AppleTalk (EtherTalk), TCP/IP, or NetBIOS (NetBIOS over TCP/IP) protocol can be used.

To use the e-mail/I-fax function or to send data, the TCP/IP protocol is required.

After configuring the settings in accordance with Chapter 3, "Settings Common to the Network Protocols," see the following, depending on the protocol:

- Chapter 4, "Using a TCP/IP Network"
- Chapter 6, "Using an SMB/CIFS Network"
- Chapter 7, "Using an AppleTalk Network (Macintosh)"

IMPORTANT

The protocol you can use differs depending on the version of Mac OS or type of printer driver. For details, see Chapter 14, "Before Printing from Computers".

Sample UNIX Network

With UNIX computers, the TCP/IP protocol is used.

After configuring the settings in accordance with Chapter 3, "Settings Common to the Network Protocols," see the following:

- Chapter 4, "Using a TCP/IP Network"

Using a Network with Various Types of Computers

If there are various types of computers on the network, the network operations you are required to perform depend on the type of computers being used.

For example, if you are using Windows XP and Macintosh computers, you will need to specify the settings described in both "Sample Windows Network" and "Sample Macintosh Network".

To use the e-mail/I-fax function, the TCP/IP protocol is required.

To use the data sending function, either the TCP/IP or NetBIOS protocol is required.

After configuring the settings in accordance with Chapter 3, "Settings Common to the Network Protocols," see the following, depending on the protocol:

- Chapter 4, "Using a TCP/IP Network"
- Chapter 6, "Using an SMB/CIFS Network"
- Chapter 7, "Using an AppleTalk Network (Macintosh)"

Settings Common to the Network Protocols

3

CHAPTER

This chapter describes setting items common to the network protocols, which are required for using the machine in a network environment. Before specifying the settings of the desired protocol (Chapters 4 to 7), be sure to set the items explained in this chapter.

Network Environment Setup Procedures 3-2

Connecting the Machine to a Computer or Network 3-3

Connecting to a Network 3-3

Connecting to a USB Interface 3-4

Specifying Network Settings from the Touch Panel Display 3-5

Interface Settings 3-6

Communication Environment Setup 3-8

Network Environment Setup Procedures

Before using the machine in a network environment, it is necessary to perform the following setup procedures.

1 **Network Cable Connection (See "Connecting the Machine to a Computer or Network," on p. 3-3.)**

Connect the machine to the network using the network cables.

2 **Interface Settings (See "Interface Settings," on p. 3-6.)**

Specify the interface settings for communication between the machine and computers on your network. To specify the settings, use:

- The machine's control panel
- The Remote UI (via a web browser)

3 **Communication Environment Setup (See "Communication Environment Setup," on p. 3-8.)**

Set up the environment for communication between the machine and computers on your network.

4 **IEEE802.1X Authentication Settings (see e-Manual > Network.)**

Specify the settings of IEEE802.1X authentication.

IMPORTANT

- If you are using the imagePASS, the ColorPASS, or the PS-GX, see the manual provided with the imagePASS, the ColorPASS, or the PS-GX.
- If you are using the imagePASS, the ColorPASS, or the PS-GX, some functions are not available with this machine. For details, see the manual provided with the imagePASS, the ColorPASS, or the PS-GX..

Connecting the Machine to a Computer or Network

The machine can be connected to a computer or network with a USB cable or 10Base-T/100Base-TX/1000Base-T Ethernet cable.

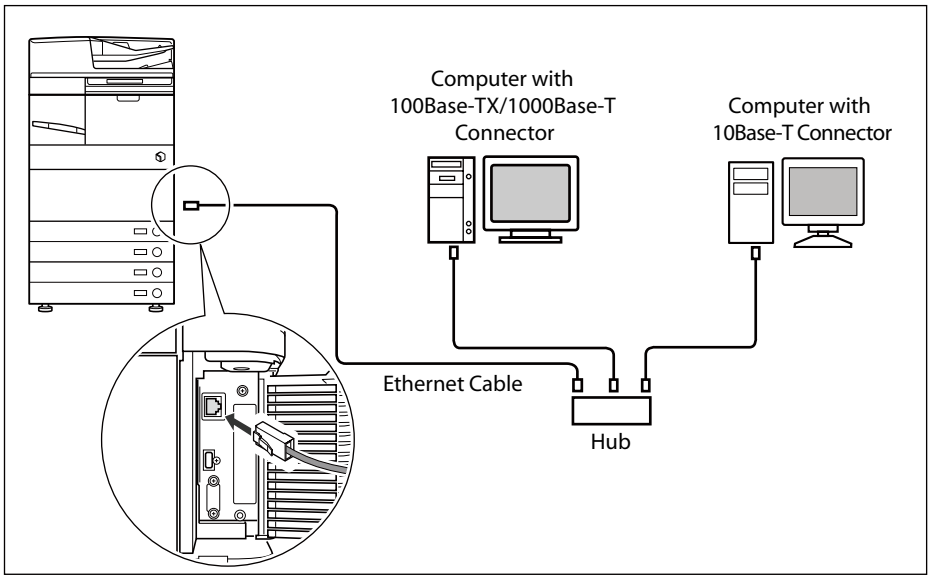
IMPORTANT

- External USB devices (e.g., memory, keyboard, mouse, etc.) are not supported.
- A USB cable or network cable are not included in this package. Please obtain a suitable cable for your computer or network.

Connecting to a Network

The machine supports TCP/IP, AppleTalk, and NetWare, which enables it to be used by Windows, Macintosh, UNIX, and Linux computers. It also has a 10Base-T/100Base-TX/1000Base-T connector that can be used on most LANs.

When using 10Base-T/100Base-TX, connect the machine's RJ-45 connector to a hub port using a Category 5 twisted pair LAN cable. When using 1000Base-T, it is recommended you use an Enchanced Category 5 twisted pair LAN cable.



CAUTION

When connecting the interface cable or network cable, be sure to observe the following precautions to avoid electrical shock.

- **Turn OFF the machine's main power switch before disconnecting the power cord from the power outlet. (See Chapter 1, "Before You Start Using This Machine.")**
- **Turn OFF the computer and disconnect the power cord from the power outlet.**

IMPORTANT

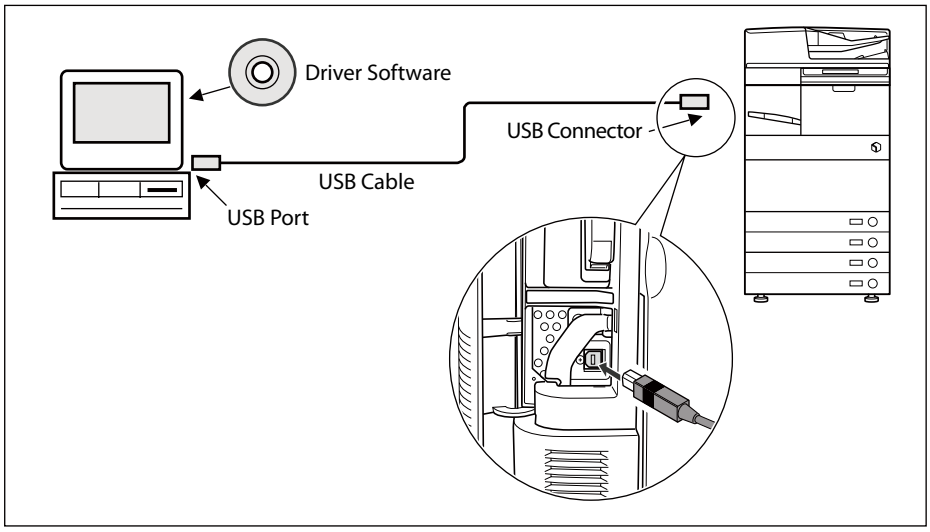
- You cannot use the machine as a repeater, bridge, or gateway.
- If two or more machines are on an AppleTalk network, they should be switched 'ON' 10 seconds or more apart.

NOTE

- The machine can automatically detect the type of Ethernet (10Base-T, 100Base-TX, or 1000Base-T).
- If you are using a mixed 10Base-T/100Base-TX/1000Base-T environment, devices on the network (hubs, routers, etc.) must support the mixed environment. For more information, consult your local authorized Canon dealer.
- After connecting the network cable, perform the following operations. (For more information, see the relevant descriptions.)
  - Set the date and time, and System Manager settings. (See e-Manual > Settings/Registration and Security.)
  - Set the network settings.
  - Install a driver if necessary. (See Chapter 14, "Before Printing from Computers," or Chapter 15, "Before Sending Faxes from Computers.")
  - Install a utility if necessary. (See the manuals provided with the utility.)

Connecting to a USB Interface

You can connect the machine to a computer with a USB port via a USB cable. The machine is USB 2.0 Hi-Speed compatible. The drivers, and utility that matches the operating system on your computer will be installed. For more information on installing the driver through a USB connection, see Chapter 14, "Before Printing from Computers," or Chapter 15, "Before Sending Faxes from Computers." For information on installing a utility, see the manuals provided with the utility.



CAUTION

If you connect or disconnect the USB cable while the machine's main power switch is ON, do not touch the metal parts around the connector, as this may result in electrical shock.

IMPORTANT

- Do not connect or disconnect the USB cable in the following situations, as it may cause your computer or the machine to operate poorly:
  - When installing the driver
  - When the computer is booting up
  - When printing
- If you disconnect the USB cable with the computer or machine's main power switch ON, always wait at least five seconds before reconnecting the cable. Immediately reconnecting the cable may cause your computer or machine to operate poorly.
- When the machine is connected to a computer via the USB cable, you will not be able to use some of the utilities.
- If you connect the machine to a computer via a USB cable, confirm that [Use USB Device] (in the USB Settings screen) is set to 'On'. (See e-Manual > Security.)

NOTE

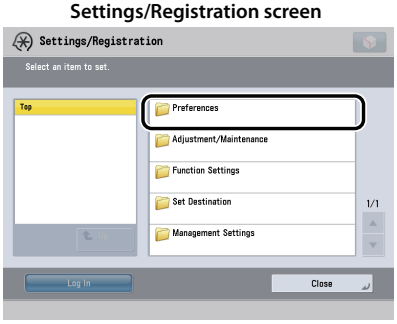
- If you connect the machine to a Macintosh via a USB cable, the Macintosh, if shut down, may start up when the machine starts up or returns from the Sleep mode. If this happens, disconnect the USB cable (the use of a USB hub between the machine and the Macintosh may solve this problem).
- If the machine is connected to a computer with a USB cable, you can print a document from your computer using the printer driver, or send a fax from your computer using the fax driver.
- You cannot specify a computer connected to the machine through a USB connection as a destination for Send jobs or forwarded jobs. Also, with that computer, you cannot use the Remote UI and the Network Scan function.
- The appropriate USB interface differs depending on the operating system of the connected computer as follows. For more information, consult your local authorized Canon dealer.
  - Windows 2000/XP/Server 2003/Server 2008/Vista: USB 2.0 Hi-Speed/USB Full-Speed (USB 1.1 equivalent)
  - Mac OS 8/9/X (10.3.2 or earlier): USB Full-Speed (USB 1.1 equivalent)
  - Mac OS X (10.3.3 or later): USB 2.0 Hi-Speed/USB Full-Speed (USB 1.1 equivalent)

Specifying Network Settings from the Touch Panel Display

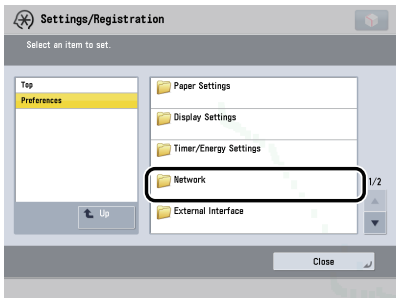
To specify the network settings for the machine, press (Settings/Registration) on the control panel → log in as the administrator using the touch panel display. (See "Logging In to the Machine as an Administrator," on p. 1-17.)

You can specify the network settings in [Network] in [Preferences], according to the type of network environment you are using. The following screen shots show the flow of operations for specifying the network settings. See this diagram to specify the various network settings, in accordance with the procedures in Chapters 4 to 7.

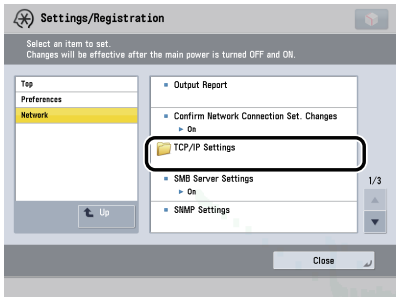
Settings/Registration screen



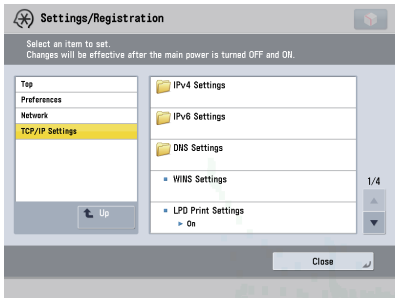
Preferences screen



Network screen



TCP/IP Settings screen



To move up one level, press [Up].

IMPORTANT

Settings specified from the control panel become effective after the machine is restarted, after the procedure. Turn OFF the machine, wait at least 10 seconds, and then turn it ON. (See Chapter 1, "Before You Start Using This Machine.")

NOTE

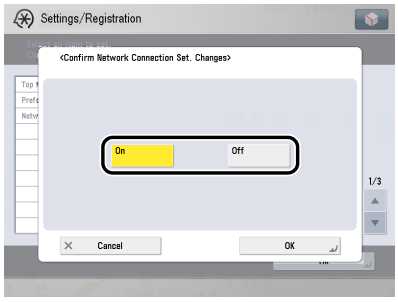
For instructions on how to turn ON/OFF the machine, See Chapter 1, "Before You Start Using This Machine."

Interface Settings

This section describes how to specify the interface settings from the control panel. If you are configuring the settings for the first time, use the control panel of the machine.

After configuring the settings, you can change them using software other than the control panel of the machine. For details, see e-Manual > Settings/Registration.

1 **On the Network screen, press [Confirm Network Connection Set. Changes] → specify the following.**



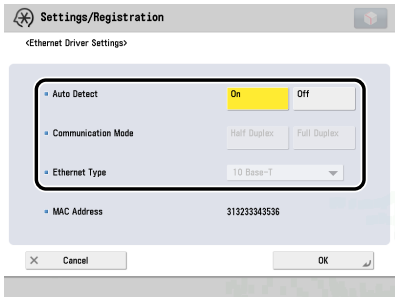
[On]: If errors related to network connections occur, an error message is displayed on the touch panel display of the machine. If you want to use the machine in a network environment, select [On].

[Off]: Messages related to network connections are no longer displayed. If you want to use the machine without connecting to a network, select [Off].

IMPORTANT

Even if you switch the [Confirm Network Connection Set. Changes] setting from 'On' to 'Off', if the network connections are correctly set they will not be disconnected. The settings in the Network screen will not be changed.

2 On the Network screen, press [Ethernet Driver Settings] → specify the following.



● If you want the machine to automatically determine the communication mode and Ethernet type:

☐ <Auto Detect>: [On]

If you reconnect the network cable (for example, reconnect the cable to a different Ethernet hub) with the machine's main power switch ON, the Auto Detect function will not work even if you set <Auto Detect> to [On]. Turn OFF the machine, wait at least 10 seconds, and then turn it ON. (Connect the cable with the machine's main power switch OFF.)

IMPORTANT

- The machine automatically determines the Ethernet type. Press [On] unless you want to specify a particular Ethernet setting.
- If you set <Auto Detect> to 'On', the machine will not enter a complete Sleep mode.

● If you want to manually set the communication mode and Ethernet type for specifying a particular Ethernet type setting:

☐ <Auto Detect>: [Off].

Select the appropriate items for <Communication Mode> and <Ethernet Type>, according to the network environment you are using.

IMPORTANT

- To connect with 1000Base-T, select [Full Duplex] for <Communication Mode>.
- If you select [10 Base-T] or [100 Base-TX] for <Ethernet Type>, the machine will not enter a complete Sleep mode.

Communication Environment Setup

This section describes how to set up the environment for communication between the machine and computers on your network. If you are configuring the settings for the first time, use the control panel of the machine.

After configuring the settings, you can change them using software other than the control panel of the machine. For details, see e-Manual > Settings/Registration.

IMPORTANT

[SNMP Settings] does not support AppleTalk networks.

1 On the Network screen, press [SNMP Settings] → specify the settings for SNMP v. 1.

[On] for <Use SNMP v. 1>: Follow the procedure below to specify the MIB access permissions and community names.

IMPORTANT

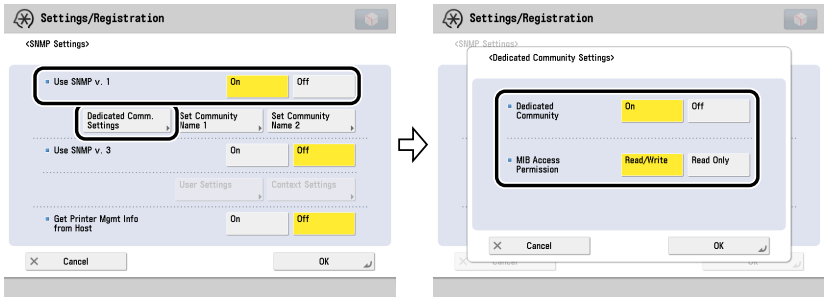
- The machine supports the SNMP v. 1 and SNMP v. 3 management functions. You can use them simultaneously. The [Read Only]/[Read/Write] functions of SNMP v. 1 and the security functions of SNMP v. 3, such as an encrypted communication path, enable you to manage devices more securely.
  The available combinations of SNMP v. 1 and SNMP v. 3 functions you can use are shown below:

SNMP v. 1		SNMP v. 3	Description
Use SNMP v. 1	MIB Access Permission	Use SNMP v. 3	
On	Read/Write	On/Off	You can set or browse each item of the machine with a utility that uses SNMP v. 1 to obtain information. As the write access with SNMP v. 1 is enabled, the security functions of SNMP v. 3 are not available, regardless of the settings for <Use SNMP v. 3>.
On	Read Only	On	You can only browse each item of the machine with a utility that uses SNMP v. 1 to obtain information. Only users who have been assigned access rights can set each item of the machine with a utility that uses SNMP v. 3.
On	Read Only	Off	You can only browse each item of the machine with a utility that uses SNMP v. 1 to obtain information.
Off	-	On	Only users who have been assigned access rights can set or browse each item of the machine with a utility that uses SNMP v. 3.
Off	-	Off	You cannot set or browse each item of the machine with a utility.

- If you want to use a Canon printer driver or utility, specify the following settings:
  - Set <Use SNMP v.1> to 'On' → select [Dedicated Comm. Settings] → set <Dedicated Community> to 'On' → select [Read/Write] in <MIB Access Permission>.
  - Set [Dedicated Port Settings] to 'On'.
- You can restrict the IP addresses of computers on which items can be set or browsed. If you restrict IP addresses, it is not possible to set or browse detailed information concerning the machine on computers other than those whose IP addresses are allowed to send or receive data, even if <Use SNMP v. 1>, <Use SNMP v. 3>, and [Dedicated Port Settings] are set to 'On'. For details, see "TCP/IPv4 Settings," on p. 4-3 or see "TCP/IPv6 Settings," on p. 4-8.

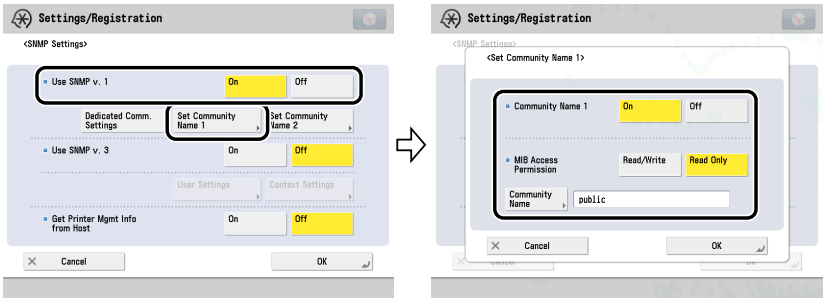
● If you want to specify a Dedicated Community:

☐ Press [Dedicated Comm. Settings] → [On] → set <MIB Access Permission>.



● If you want to specify a Community Name 1

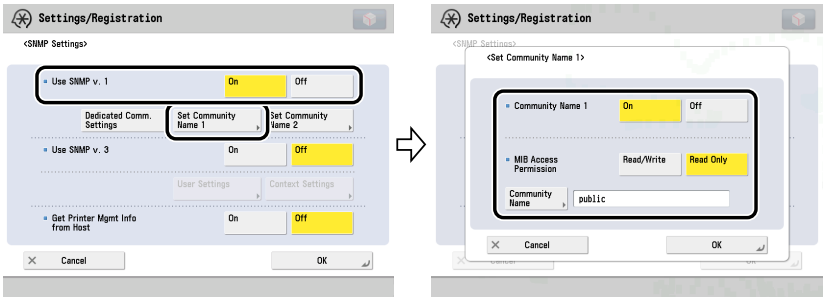
☐ Press [Set Community Name 1] → [On] → specify the settings for <MIB Access Permission> and the community name in [Community Name].



You can also change the community name in [Community Name] to a name other than 'public'.

● If you want to specify a Community Name 2

☐ Press [Set Community Name 2] → [On] → specify the settings for <MIB Access Permission> and the community name in [Community Name].



You can also change the community name in [Community Name] to a name other than 'public2'.

2 Specify the settings for SNMP v. 3.

[On] for <Use SNMP v. 3>: Specify the user and context according to the following procedures.

NOTE

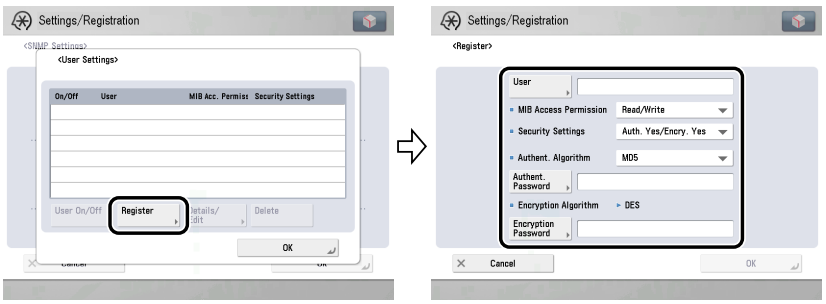
An SNMP v. 3 user with the following settings is registered by default. Delete or change these settings as necessary.

- User: initial
- MIB Access Permission: Read/Write
- Security Settings: Auth. Yes/Encry. Yes
- Authent. Algorithm: MD5
- Authent. Password: initial
- Encryption Algorithm: DES
- Encryption Password: initial

● If you want to add an SNMP v. 3 user:

☐ Press [User Settings] → [Register] → specify the user name, MIB permissions, and security settings.

If you select [Auth. Yes/Encry. Yes] from the Security Settings drop-down list, it is necessary to set the authentication algorithm and the encryption algorithm. Select the authentication algorithm → enter the authentication password. Next, select the encryption algorithm → enter the encryption password. If you select [Auth. Yes/Encry. No] from the Security Settings drop-down list, select the authentication algorithm → enter the password for authentication.



● **If you want to confirm or change the SNMP v. 3 user settings:**

☐ Press [User Settings] to select the user whose settings you want to confirm or change → press [Details/Edit].

Confirm the displayed information → change the settings if necessary.

● **If you want to delete an SNMP v. 3 user:**

☐ Press [User Settings] to select the user whose settings you want to delete → press [Delete].

● **If you want to change the status of an SNMP v. 3 user:**

☐ Press [User Settings] → select the user whose status you want to change → press [User On/Off].

● **If you want to edit the context:**

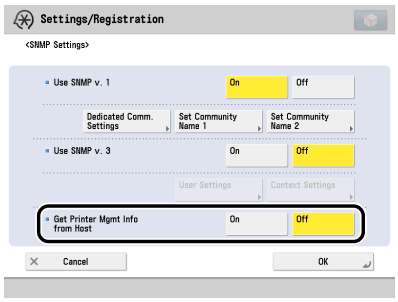
☐ Press [Context Settings] → edit the context.

If you want to add a context, press [Register] to add a new context. If you want to change a context, select the context you want to change → press [Edit] to change the context. If you want to delete a context, select the context you want to delete → press [Delete].

NOTE

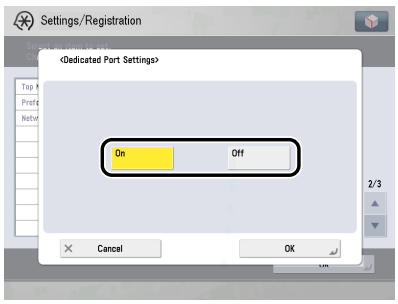
A context named 'NULL' is registered by default. The 'NULL' context cannot be deleted, and is not displayed on the Context Settings screen.

3 Set monitoring for the printer management information.



[On] for <Get Printer Mgmt Info from Host>: If you are using Windows Server 2008/Vista/7 and set [Standard TCP/IP port] for the printer driver port, the SNMP port monitoring function will be enabled automatically to obtain printer management information such as information on print applications and printer ports.

4 On the Network screen, press [Dedicated Port Settings] → specify the following.

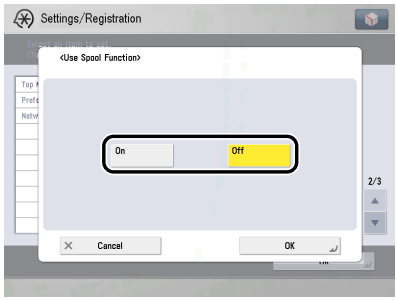


[On]: You can set or browse detailed information on the machine with a Canon printer driver or utility (UFR II/PCL/PS printer drivers, etc.).

IMPORTANT

- If you want to use a Canon printer driver or utility, specify the following settings:
  - Set <Use SNMP v.1> to 'On' → select [Dedicated Comm. Settings] → set <Dedicated Community> to 'On' → select [Read/Write] in <MIB Access Permission>.
  - Set [Dedicated Port Settings] to 'On'.
- If you want to use the machine as a remote fax server machine, set [Dedicated Port Settings] to 'On'. For details on the remote fax settings, see "Remote Fax Settings," on p. 13-7.
- You can restrict the IP addresses of computers on which items can be set or browsed. If you restrict IP addresses, it is not possible to set or browse detailed information concerning the machine on computers other than those whose IP addresses are allowed to send or receive data, even if <Use SNMP v. 1>, <Use SNMP v. 3>, and [Dedicated Port Settings] are set to 'On'. For details, see "TCP/IPv4 Settings," on p. 4-3 or see "TCP/IPv6 Settings," on p. 4-8.

5 On the Network screen, press [Use Spool Function] → specify the following.



[On]: You can spool print jobs transmitted to this machine on the machine's hard disk.

IMPORTANT

If the PS Printer Kit is activated, take note of the following:

- If you print a file in PDF, XPS, or PS format by specifying its URL on the Remote UI, the print job will always be spooled, regardless of the settings made under this option.

NOTE

When you spool a print job on the machine's hard disk, the time required to release a computer outputting a print job is shortened.

Using a TCP/IP Network

4

CHAPTER

This chapter describes the settings and procedures necessary to connect and use the machine with a TCP/IP network.

TCP/IP Network Setup Procedures 4-2

Protocol Settings 4-3

- TCP/IPv4 Settings 4-3
- TCP/IPv6 Settings 4-8
- Settings Common to TCP/IPv4 and TCP/IPv6 4-14
- Confirming TCP/IPv4 Settings 4-21
- Confirming TCP/IPv6 Settings 4-22
- E-Mail/I-Fax Settings 4-23
- Startup Time Settings 4-24

Setting Up a Computer as a File Server 4-25

- FTP Server Settings 4-25
- WebDAV Server Settings 4-31

TCP/IP Network Setup Procedures

To use a TCP/IP network, it is necessary to perform the following procedures.

1 **Protocol Settings (See "Protocol Settings," on p. 4-3.)**

Specify the protocol settings. To specify the settings, use:

- The machine's control panel
- The Remote UI (via a web browser)
- Canon utilities

2 **Computer Settings for Printing/Sending a Fax (See e-Manual > Network.)**

Specify the settings for each computer you use for printing or sending a fax. (Optional equipment is required to print or send a fax from a computer. For the equipment needed, see "Optional Equipment and System Requirements for Connecting to a Network," on p. 2-2.)

3 **Computer Settings for a File Server (See "Setting Up a Computer as a File Server," on p. 4-25.)**

Specify the settings of the computer receiving data sent from the machine.

IMPORTANT

- It is recommended that you consult the administrator for the network you are using when performing steps 1 and 3 above.
- The machine or printing equipment does not come with printer driver software that can be used on a UNIX platform. (Use LPD to set up a printer in UNIX.)
- As the fax option does not come with fax driver software for the UNIX platform, it is not possible to send a fax from a UNIX platform.
- If you are using the imagePASS, the ColorPASS, or the PS-GX, see the manual provided with the imagePASS, the ColorPASS, or the PS-GX.
- If you are using the imagePASS, the ColorPASS, or the PS-GX, some functions are not available with this machine. For details, see the manual provided with the imagePASS, the ColorPASS, or the PS-GX.
- A pre-determined port must be opened in order to initiate network communication using TCP/IP. The required port can be opened by selecting [On] for all of the [Network] settings in the machine. It is recommended that any unused functions be set to [Off]. When a port is opened, it is possible for a third person to gain unauthorized access.

Protocol Settings

This section describes how to specify the protocol settings for the machine using the control panel. If you are configuring the settings for the first time, use the control panel of the machine.

After configuring the settings, you can change the content by using software other than the control panel of the machine. For details, see e-Manual > Settings/Registration.

IMPORTANT

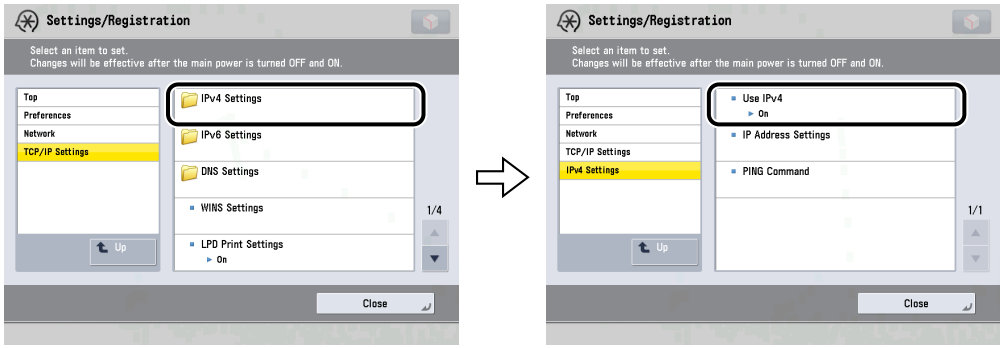
- When using functions to access external servers on the internet, you may not be able to access them due to the settings of firewalls, etc. In this case, consult the administrator for the network you are using.
- If you are using the imagePASS, the ColorPASS, or the PS-GX, see the manual provided with the imagePASS, the ColorPASS, or the PS-GX.
- If you are using the imagePASS, the ColorPASS, or the PS-GX, some functions are not available with this machine. For details, see the manual provided with the imagePASS, the ColorPASS, or the PS-GX.

TCP/IPv4 Settings

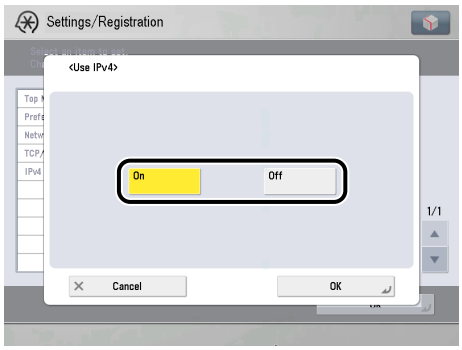
This section describes the procedure for setting TCP/IPv4 using the control panel. After specifying the settings for TCP/IPv4, follow the procedure in "Settings Common to TCP/IPv4 and TCP/IPv6," on p. 4-14 to specify the required settings, and the procedure in "Confirming TCP/IPv4 Settings," on p. 4-21 to check whether the network settings are correct. If the settings for TCP/IPv6 are already specified and you have finished specifying the settings common to TCP/IPv4 and TCP/IPv6, only check the network settings after completing this procedure.

If you want to use IPv6 communications at the same time, follow the procedure in "TCP/IPv6 Settings," to specify the required settings, and the procedure in "Confirming TCP/IPv6 Settings," on p. 4-22 to confirm the settings.

1 **On the TCP/IP Settings screen, press [IPv4 Settings] → [Use IPv4].**

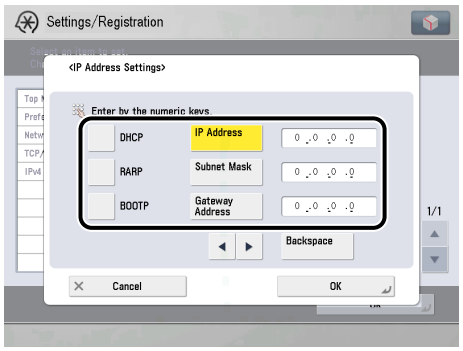


2 **In <Use IPv4>, specify the following.**



[On] for <Use IPv4>: IPv4 networks can be used.
[Off] for <Use IPv4>: IPv4 networks cannot be used, regardless of the settings specified for IPv4 on the Settings/Registration screen. The ARP (Address Resolution Protocol) table is also disabled.

3 On the TCP/IPv4 Settings screen, press [IP Address Settings] → specify the following.



● Using a fixed IP address:

☐ [DHCP], [RARP], and [BOOTP]: [Off]

Enter the appropriate values in [IP Address], [Subnet Mask], and [Gateway Address].

NOTE

It takes about two minutes to check whether the DHCP, BOOTP, or RARP settings can be used. If you do not plan to use one of these settings, it is recommended that you turn them off.

● Obtaining automatically an IP address:

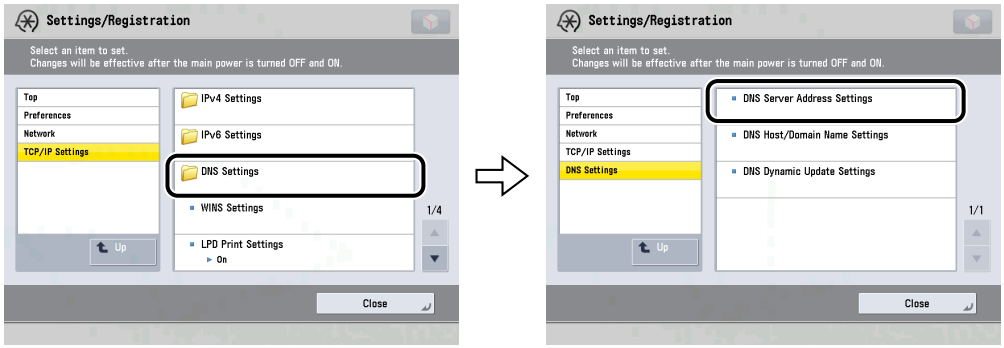
☐ [DHCP], [RARP], or [BOOTP]: [On]

If this information cannot be obtained via DHCP, RARP, or BOOTP after you restart the machine, enter the IP address, subnet mask, and gateway address to use the settings entered in this step.

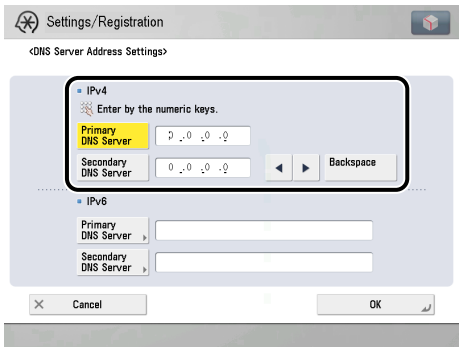
NOTE

- If the machine is restarted after DHCP, BOOTP, or RARP settings are specified, the TCP/IP Settings screen displays the IP address setting values obtained from the DHCP, BOOTP, or RARP server. (If the IP address, host name, and domain name have been previously set, these will be overwritten by the setting values obtained from DHCP, BOOTP, or RARP.)
- If you use DHCP without the DNS dynamic update function, it is recommended that an identical IP address be assigned to the machine at all times. (If the IP address is not identical, the host name for the machine will not correspond to the IP address.)

4 On the TCP/IP Settings screen, press [DNS Settings] → [DNS Server Address Settings].



5 In <IPv4>, specify the following.



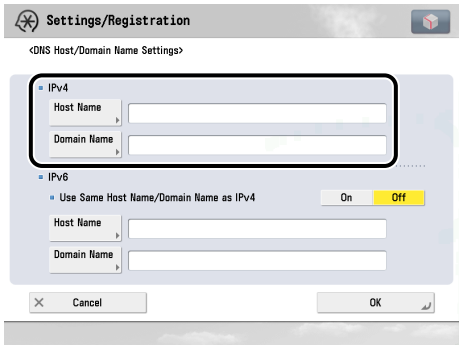
If you want to use dynamic DNS updating, enter the IPv4 address of the DNS server in [Primary DNS Server].

If you do not want to set up a secondary DNS server, enter <0.0.0.0>.

IMPORTANT

If you set [BOOTP] or [DHCP] to 'On' in step 3, the IP address of a DNS server you set manually will be overwritten.

6 On the DNS Settings screen, press [DNS Host/Domain Name Settings] → in <IPv4>, specify the following.



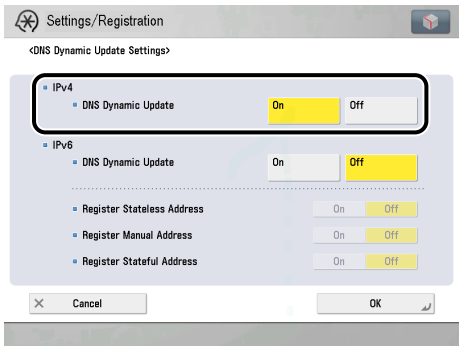
Enter the name of the machine as [Host Name], and the network domain name of the machine as [Domain Name].

If you want to use dynamic DNS updating, it is necessary to set a host name and domain name.

IMPORTANT

If you set [BOOTP] or [DHCP] to 'On' in step 3, the host name and domain name you set manually will be overwritten.

7 On the DNS Settings screen, press [DNS Dynamic Update Settings] → in <IPv4>, specify the following.



[On] for <DNS Dynamic Update>: If your environment includes a dynamic DNS server, you can automatically register the IPv4 address, host name, and domain name set for the machine in the DNS server using dynamic DNS updating.

NOTE

- If you have a DHCP server running Windows 2000 Server that uses the DHCP service and want to register the machine's DNS record, configure the following settings in the DHCP server:
  - In the DHCP server, right-click the [Scope] icon → click [Properties]. In the [DNS] sheet of the displayed dialog box, select [Automatically update DHCP client information in DNS] → [Update DNS only if DHCP client requests].
- If you have a DHCP server running Windows 2003 Server that uses the DHCP service and want to register the machine's DNS record, configure the following settings in the DHCP server:
  - In the DHCP server, right-click the [Scope] icon → click [Properties]. In the [DNS] sheet of the displayed dialog box, select [Enable DNS dynamic updates according to the settings below] → [Dynamically update DNS A and PTR records only if requested by the DHCP clients].
  - In the Active Directory environment, right-click the icon of the DHCP server you are using → select [Properties]. In the [Advanced] sheet of the displayed dialog box, click [Credentials]. In the [DNS dynamic update credentials] dialog box, enter the user name, domain, and password for the Active Directory.
- If you have a DHCPv4 server running Windows 2008 Server that uses the DHCPv4 service and want to register the machine's DNS record, configure the following settings in the DHCPv4 server:
  - In the DHCPv4 server, right-click the [Scope] icon → click [Properties]. In the [DNS] sheet of the displayed dialog box, select [Enable DNS dynamic updates according to the settings below] → [Dynamically update DNS A and PTR records only if requested by the DHCP clients].
  - In the Active Directory environment, right-click the icon of the DHCPv4 server you are using → select [Properties]. In the [Advanced] sheet of the displayed dialog box, click [Credentials]. In the [DNS dynamic update credentials] dialog box, enter the user name, domain, and password for the Active Directory.

8 On the Network screen, press [Firewall Settings] → [IPv4 Address Filter] → specify the following.

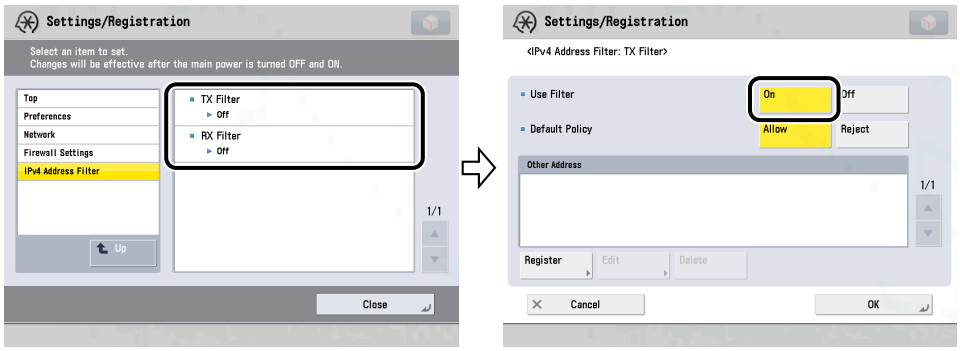
By specifying the settings described below, you can filter received packets and transmitted packets using IPv4 addresses and improve security when sending and receiving data between your computer and the machine. The possibility of a third person gaining unauthorized access can be reduced by configuring the settings for [IPv4 Address Filter] in accordance with the environment you are using.

If you want to deny data transmission/reception between a computer with a specified IPv4 address and the machine, set the default policy for the transmission or reception filter so as to allow transmission/reception, and enter the IPv4 address to be denied. Data transmission/reception between the computer having the specified IPv4 address and the machine will be disabled. Also, the Remote UI cannot be used, and information regarding the machine cannot be displayed or set using a utility on the computer whose IPv4 address has been specified.

If you want to enable data transmission/reception only with a computer having a specified IPv4 address, set the default policy for the transmission or reception filter so as to deny transmission/reception, and enter the IPv4 address to be allowed. Data transmission/reception will be enabled only between the computer having the specified IPv4 address and the machine. The Remote UI can be used, and information regarding the machine can be displayed and set using a utility only on the computer whose IPv4 address has been specified.

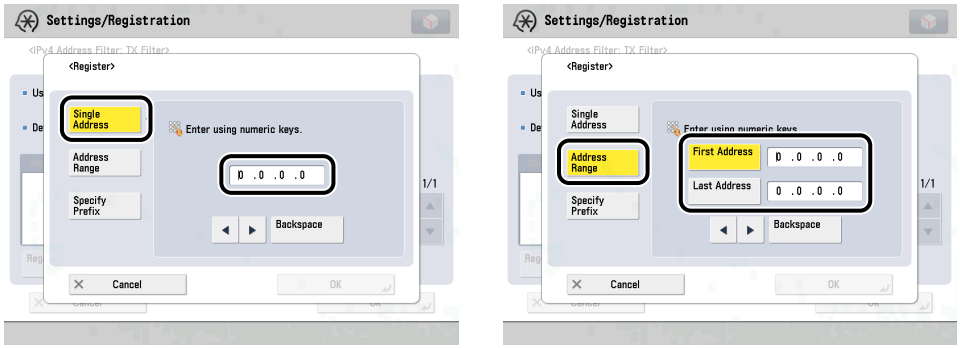
● If you want to deny transmission/reception of data with the computer having the specified IPv4 address:

☐ Press [TX Filter] or [RX Filter] → set <Use Filter> to 'On'.



☐ Set <Default Policy> to [Allow].

☐ Press [Register] → set the IPv4 address or range of addresses for which data transmission/reception is to be denied, or specify the prefix and prefix length of the IPv4 address(es).



NOTE

If data transmission/reception is attempted between the device having the IPv4 address specified in this procedure and the machine, a block log will be generated. To display the block log, see e-Manual > Network.

● If you want to allow transmission/reception of data only with the computer having the specified IPv4 address:

☐ Press [TX Filter] or [RX Filter] → set <Use Filter> to 'On'.

☐ Set <Default Policy> to [Reject].

☐ Press [Register] → set the IPv4 address or range of addresses for which data transmission/reception is to be allowed, or specify the prefix and prefix length of the IPv4 address(es).

● **If you do not want to restrict data transmission/reception:**

☐ Press [TX Filter] or [RX Filter] → set <Use Filter> to 'Off'.

IMPORTANT

- You can register up to 16 IPv4 addresses, IPv4 address ranges, or IPv4 address prefixes.
- The value of [First Address] should be less than or equal to that of [Last Address].
- If the usage of a protocol or print application is not permitted on your device, it cannot be used even after settings in [Firewall Settings] have been changed; on your device, configure the settings to permit the protocol or print application.
- If you enter '255' in [Prefix Length], no IPv4 addresses will be set.
- If you enter '0' in [Prefix Length], all IPv4 addresses will be set.

TCP/IPv6 Settings

This section describes the procedure for setting TCP/IPv6 using the control panel. After specifying the settings for TCP/IPv6, follow the procedure in "Settings Common to TCP/IPv4 and TCP/IPv6," on p. 4-14 to specify the required settings, and the procedure in "Confirming TCP/IPv6 Settings," on p. 4-22 to check whether the network settings are correct. If the settings for TCP/IPv4 are already specified and you have finished specifying the settings common to TCP/IPv4 and TCP/IPv6, only check the network settings after completing this procedure. If you want to use IPv4 communications at the same time, follow the procedure in "TCP/IPv4 Settings," on p. 4-3 to specify the required settings, and the procedure in "Confirming TCP/IPv4 Settings," on p. 4-21 to check the settings.

The machine can use up to seven of the following IPv6 addresses. With IPv6 communication, multiple IPv6 addresses can be used at the same time.

IMPORTANT

If the IPv6 address assigned to the machine is the same as another node, you may not be able to perform IPv6 communication, even though an IPv6 address is displayed on the screen.

Link local address (1)

An address that is only valid within the same link. A link local address is automatically set using a specific prefix (fe80::) and an interface identifier generated from the MAC address of the machine. When the machine is using the functions of IPv6, one link local address is always registered.

Manual address (0 or 1)

A fixed address that is set from the control panel.

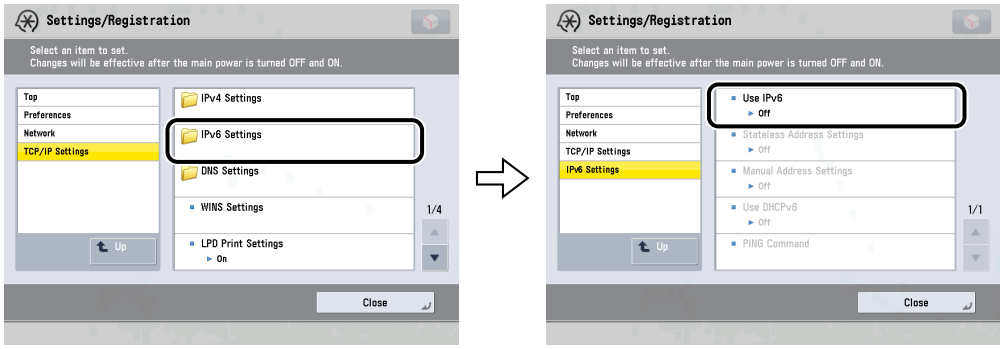
Stateless address (0 to 4)

A stateless address is automatically set using the machine's MAC address and the prefix (information indicating the network belonged to) included in the RA (Router Advertisement) notified by the router when the machine is started.

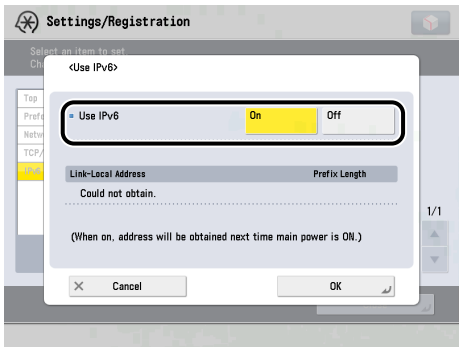
Stateful address (0 or 1)

A stateful address can be obtained from a DHCP server using DHCPv6.

1 **On the TCP/IP Settings screen, press [IPv6 Settings] → [Use IPv6].**

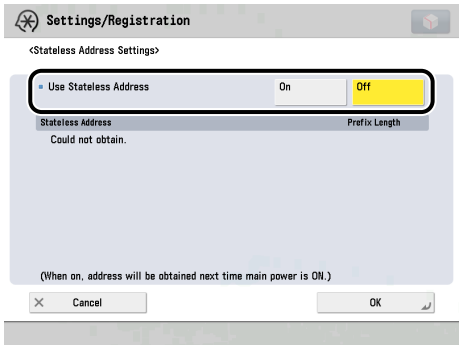


2 In [Use IPv6], specify the following.



[On] for <Use IPv6>: You can use an IPv6 network. A link local address is automatically set.

3 On the IPv6 Settings screen, press [Stateless Address Settings] → specify the following.

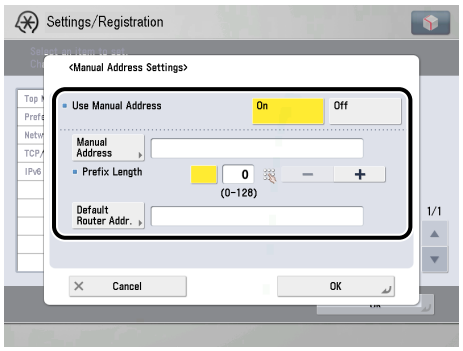


[On] for <Use Stateless Address>: A stateless address is automatically set when the machine is started.

NOTE

The stateless address is discarded when the machine is restarted (with the machine's main power switch ON).

4 On the IPv6 Settings screen, press [Manual Address Settings] → specify the following.



[On] for <Use Manual Address>: You can set the IPv6 address manually.

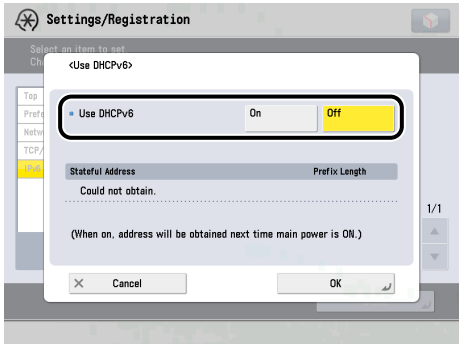
Enter the IPv6 address value in [Manual Address] and the IPv6 address prefix length in [Prefix Length].

Enter the default router address value in [Default Router Addr.]. If you do not want to specify the default router address, leave [Default Router Addr.] blank.

IMPORTANT

- You cannot use a manual address if you leave [Manual Address] blank. You also cannot set any of the following types of address for [Manual Address]:
  - Multicast address
  - Address composed entirely of zeros
  - IPv4 compatible address (an IPv6 address with the top 96 bits set to '0' and an IPv4 address in the lower 32 bits)
  - IPv4 mapped address (an IPv6 address with the top 96 bits set to '0:0:0:0:0:ffff:' and an IPv4 address in the lower 32 bits)
- You cannot enter a multicast address or an address composed entirely of zeros in [Default Router Addr.].

5 On the IPv6 Settings screen, press [Use DHCPv6] → specify the following.



[On] for <Use DHCPv6>: You can use DHCPv6 to obtain a stateful address from a DHCP server.

6 On the Network screen, press [Firewall Settings] → [IPv6 Address Filter] → specify the following.

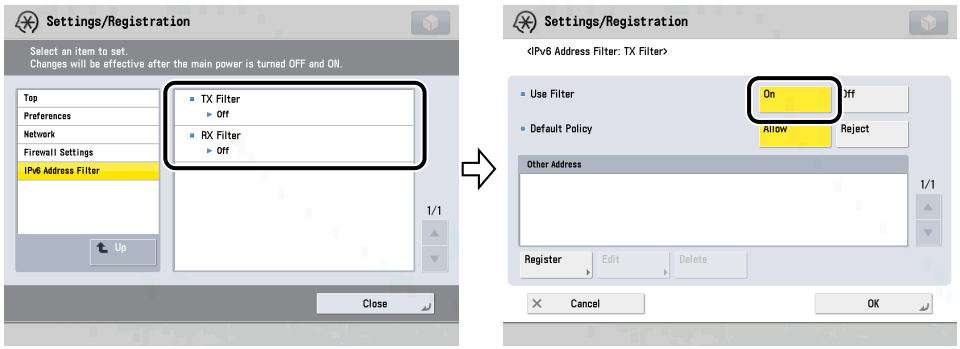
By specifying the settings described below, you can filter received packets and transmitted packets using IPv6 addresses and improve security when sending and receiving data between your computer and the machine. The possibility of a third person gaining unauthorized access can be reduced by configuring the settings for [IPv6 Address Filter] in accordance with the environment you are using.

If you want to deny data transmission/reception between a computer with a specified IPv6 address and the machine, set the default policy for the transmission or reception filter so as to allow transmission/reception, and enter the IPv6 address to be denied. Data transmission/reception between the computer having the specified IPv6 address and the machine will be disabled. Also, the Remote UI cannot be used, and information regarding the machine cannot be displayed or set using a utility on the computer whose IPv6 address has been specified.

If you want to enable data transmission/reception only with a computer having a specified IPv6 address, set the default policy for the transmission or reception filter so as to deny transmission/reception, and enter the IPv6 address to be allowed. Data transmission/reception will be enabled only between the computer having the specified IPv6 address and the machine. The Remote UI can be used, and information regarding the machine can be displayed and set using a utility only on the computer whose IPv6 address has been specified.

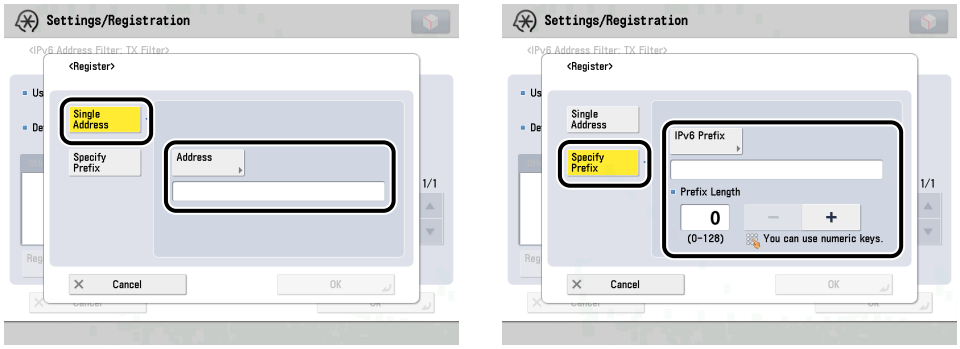
● **If you want to deny transmission/reception of data with the computer having the specified IPv6 address:**

☐ Press [TX Filter] or [RX Filter] → set <Use Filter> to 'On'.



☐ Set <Default Policy> to [Allow].

☐ Press [Register] → set the IPv6 address for which data transmission/reception is to be denied, or specify the prefix and prefix length of the IPv6 address(es).



NOTE

If data transmission/reception is attempted between the device having the IPv6 address specified in this procedure and the machine, a block log will be generated. To display the block log, see e-Manual > Network.

● **If you want to allow transmission/reception of data only with the computer having the specified IPv6 address:**

☐ Press [TX Filter] or [RX Filter] → set <Use Filter> to 'On'.

☐ Set <Default Policy> to [Reject].

☐ Press [Register] → set the IPv6 address for which data transmission/reception is to be allowed, or specify the prefix and prefix length of the IPv6 address(es).

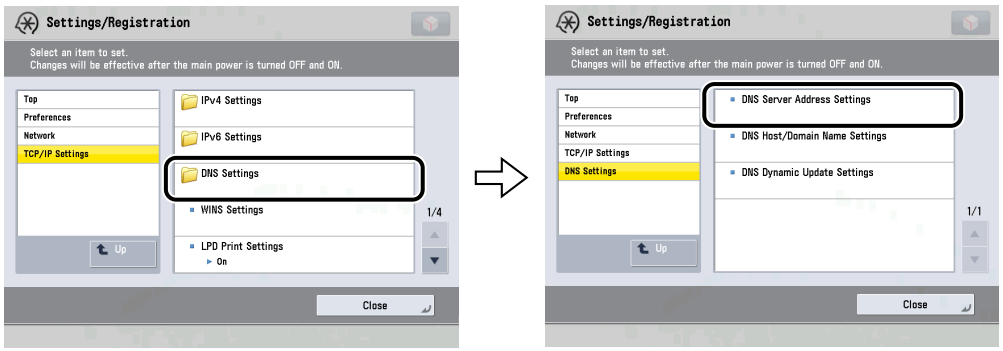
● **If you do not want to restrict data transmission/reception:**

☐ Press [Send Filter] or [Receive Filter] → set <Use Filter> to 'Off'.

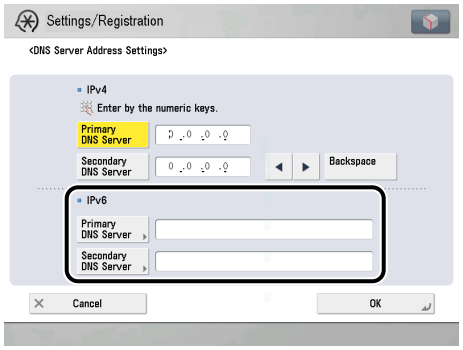
IMPORTANT

- You can register up to 16 IPv6 addresses, or IPv6 address prefixes.
- You cannot specify a multicast address for an IPv6 address.
- If the usage of a protocol or print application is not permitted on your device, it cannot be used even after settings in [Firewall Settings] have been changed; on your device, configure the settings to permit the protocol or print application.
- If you enter '255' in [Prefix Length], no IPv6 addresses will be set.
- If you enter '0' in [Prefix Length], all IPv6 addresses will be set.

7 On the TCP/IP Settings screen, press [DNS Settings] → [DNS Server Address Settings].



8 In <IPv6>, specify the following.



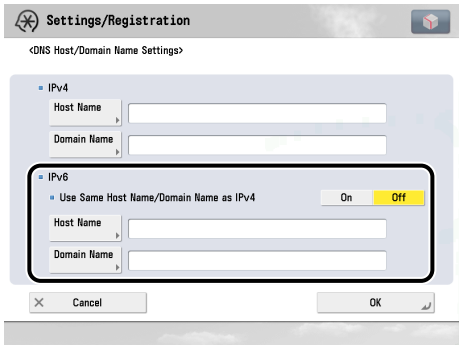
If you want to use dynamic DNS updating, enter the IPv6 address of the DNS server in [Primary DNS Server].

If you do not want to specify a secondary DNS server, leave [Secondary DNS Server] blank.

IMPORTANT

- You cannot enter any of the following types of address for [Primary DNS Server] or [Secondary DNS Server]:
  - Multicast address
  - Address composed entirely of zeros
  - Link local address
- If you set <Use DHCPv6> to 'On' in step 5, the IPv6 address of a DNS server you set manually will be overwritten.

9 On the DNS Settings screen, press [DNS Host/Domain Name Settings] → in <IPv6>, specify the following.

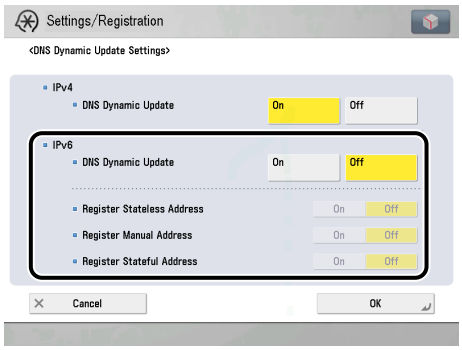


[On] for <Use Same Host Name/Domain Name as IPv4>: You can set the same host name or domain name used with IPv4 communication for IPv6 communication. If you set <Use Same Host Name/Domain Name as IPv4> to 'Off', enter the name of the machine in [Host Name] and the name of the domain the machine belongs to in [Domain Name]. It is necessary to set a host name and domain name if you want to use dynamic DNS updating.

IMPORTANT

If you set <Use DHCPv6> to 'On' in step 5, the domain name you set manually will be overwritten. Even if you set <Use Same Host Name/Domain Name as IPv4> to 'On', the domain name obtained from the DHCPv6 server is used.

10 On the DNS Settings screen, press [DNS Dynamic Update Settings] → in <IPv6>, specify the following.



[On] for <DNS Dynamic Update>: If your environment includes a dynamic DNS server, you can automatically register the IPv6 address, host name, and domain name set for the machine in the DNS server using dynamic DNS updating.

[On] for <Register Stateless Address>: You can automatically register a stateless address in the DNS server using dynamic DNS updating.

[On] for <Register Manual Address>: You can automatically register a manual address in the DNS server using dynamic DNS updating.

[On] for <Register Stateful Address>: You can automatically register a stateful address in the DNS server using dynamic DNS updating.

IMPORTANT

Windows 2000 Server and Windows Server 2003 do not support DHCPv6 servers.

NOTE

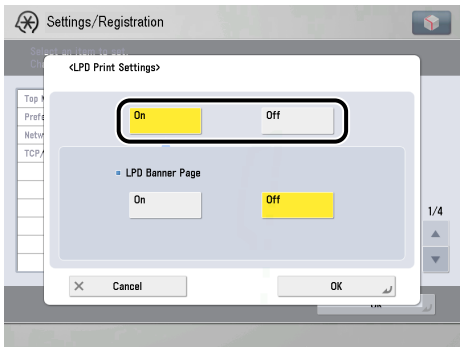
- If you have a DHCPv6 server running Windows 2008 Server that uses the DHCPv6 service and want to register the machine's DNS record, configure the following settings in the DHCPv6 server:
  - In the DHCPv6 server, right-click the [Scope] icon → click [Properties]. In the [DNS] sheet of the displayed dialog box, select [Enable DNS dynamic updates according to the settings below] → [Dynamically update DNS A and PTR records only if requested by the DHCP clients].
  - In the Active Directory environment, right-click the icon of the DHCPv6 server you are using → select [Properties]. In the [Advanced] sheet of the displayed dialog box, click [Credentials]. In the [DNS dynamic update credentials] dialog box, enter the user name, domain, and password for the Active Directory.

Settings Common to TCP/IPv4 and TCP/IPv6

This section describes the procedure for specifying the settings common to TCP/IPv4 and TCP/IPv6 using the control panel. Specify the settings required for your network environment. If you want to use both TCP/IPv4 communications and TCP/IPv6 communications, specify the settings required for both protocols.

After performing this procedure, follow the procedure in "Confirming TCP/IPv4 Settings," on p. 4-21 and "Confirming TCP/IPv6 Settings," on p. 4-22 to check whether the network settings are correct.

1 On the TCP/IP Settings screen, press [LPD Print Settings] → specify the following.

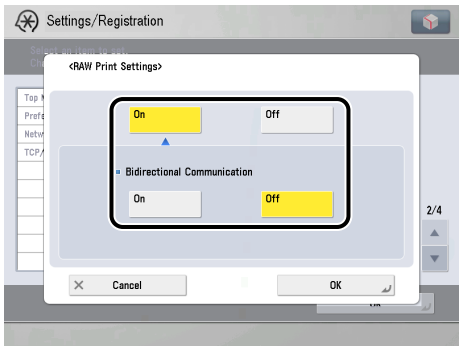


[On]: You can use LPD as the print application.

NOTE

- You can only output a banner page if you are using the PCL Printer Kit or the PS Printer Kit.
- Output of a banner page is set on a print-job basis. Even if [On] is selected for <LPD Banner Page>, a banner page cannot be output for a print job unless it is set.

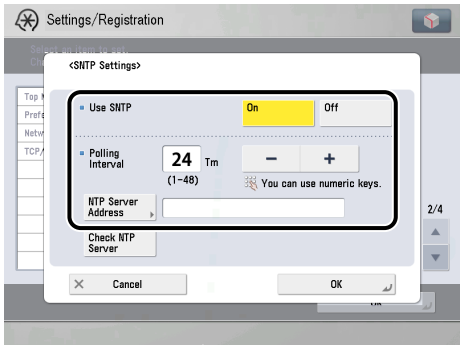
2 On the TCP/IP Settings screen, press [RAW Print Settings] → specify the following.



[On]: You can use Raw as the print application.

If you want to establish bidirectional communication, press [On] for <Bidirectional Communication>.

3 On the TCP/IP Settings screen, press [SNTP Settings] → specify the following.



[On] for <Use SNTP>: You can perform time synchronization using SNTP.

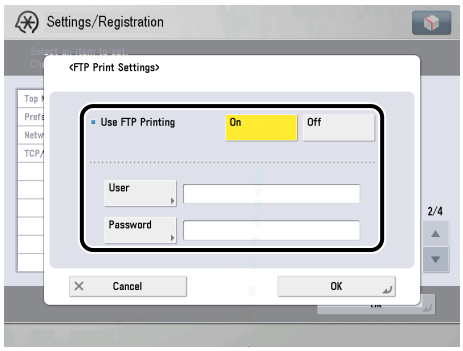
Select the interval for performing time synchronization in <Polling Interval>.

In [NTP Server Address], enter the NTP server IP address or host name.

IMPORTANT

- In order to perform time synchronization through SNTP, it is necessary to set the time zone of the region in which you are using the machine in advance. For instructions on how to set the time zone, see e-Manual > Settings/Registration.
- If you want to set the digital signature method (see e-Manual > Network) for the IKE (Internet Key Exchange) authentication when performing IPSec communication, it is necessary to set <Use SNTP> to 'On'.

4 On the TCP/IP Settings screen, press [FTP Print Settings] → specify the following.



[On] for <Use FTP printing>: You can use FTP as the print application.

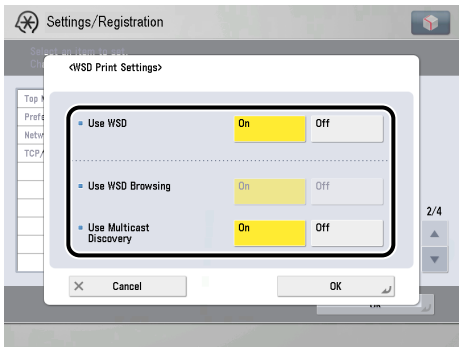
In [User], enter the login user name for access to the FTP server.

In [Password], enter the login password for access to the FTP server.

IMPORTANT

- If you do not specify [User] and [Password], all user names and passwords will be valid.
- The password will appear in the job list as a user name if you enter "anonymous" as a login user name for access to an FTP server without specifying [User] and [Password], or if you enter "anonymous" in [User]. (To display the job list, press (Status Monitor/Cancel) → [Print] → [Log] on the touch panel display.)

5 On the TCP/IP Settings screen, press [WSD Print Settings] → specify the following.



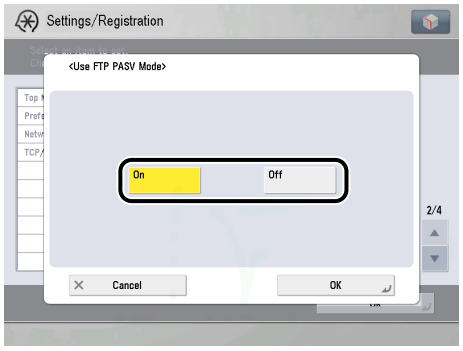
Specify the WSD print settings if you are using Windows Vista/Server 2008.

[On] for <Use WSD>: You can use WSD (Web Services on Devices) as the print application. [Use HTTP] is automatically set to 'On' if you select [On].

<Use WSD Browsing> is automatically set to 'On' if you set <Use WSD> to 'On', and enables device information to be obtained using WSD.

If you want to respond to multicast discovery requests, set <Use Multicast Discovery> to 'On'.

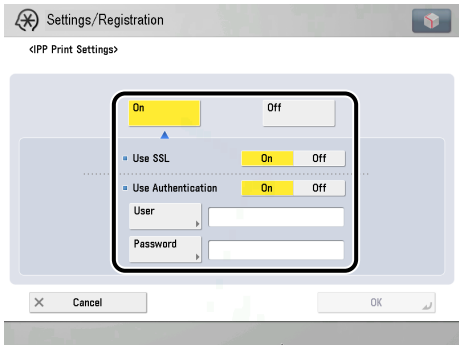
6 On the TCP/IP Settings screen, press [Use FTP PASV Mode] → specify the following.



IMPORTANT

Whether you use the PASV mode for FTP depends on the network environment you are using and the settings of the file server you are sending to. Before specifying the PASV mode for FTP, consult the administrator for the network you are using.

7 On the TCP/IP Settings screen, press [IPP Print Settings] → specify the following.



[On]: You can use IPP as the print application. Pressing [On] for [IPP Print Settings] automatically sets [Use HTTP] to 'On'.

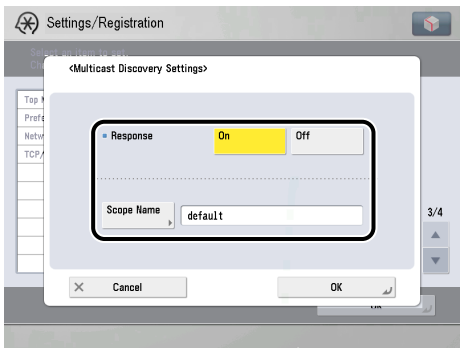
To use SSL to encrypt the IPP data, press [On] for <SSL Setting>.

If you are using IPP authentication, press [On] for <Use Authentication> → enter the user name to use for IPP authentication in [User], and the password to use for IPP authentication in [Password].

IMPORTANT

In order to select [On] for <SSL Setting> to allow SSL communication, a key pair is necessary. You can use the preinstalled key pair, or generate an original key pair with the machine, to set as the default key. For information on the default key, and instructions on how to generate an original key pair, see e-Manual > Security.

8 On the TCP/IP Settings screen, press [Multicast Discovery Settings] → specify the following.



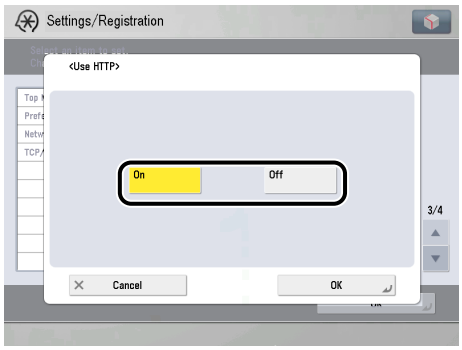
[On] for <Response>: You can use device information from other devices, such as an Address Book or Department ID Management settings, or respond to a multicast discovery from utilities.

Optionally, press [Scope Name] and enter the scope name for a multicast discovery.

NOTE

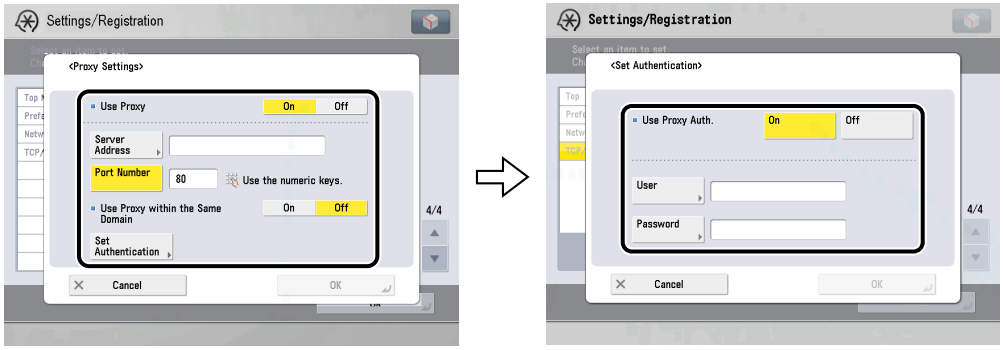
For instructions on how to deliver and share device information, such as the Address Book and Department ID Management settings with multiple devices, see e-Manual > Security.

9 On the TCP/IP Settings screen, press [Use HTTP] → specify the following.



[On]: You can use the Remote UI, IPP printing, WSD printing, Department ID management password confirmation and WebDAV server.

10 On the TCP/IP Settings screen, press [Proxy Settings] → specify the following.



In the following cases, specify the proxy settings, according to the network environment you are using:

- If you perform direct printing from the Remote UI when the Direct Print Kit (for PDF/XPS) is activated
- If you are using the Web Access Software (The Web Access Software is optional software for viewing web pages on the touch panel display of the machine. For details, see e-Manual > Web Access.)
- If you connect the WebDAV client to the Internet via a proxy, when using a WebDAV server

In [Server Address], enter a proxy server IP address or FQDN (for example, starfish.company.com).

In [Port Number], enter the port number of a proxy server using 0 - 9 (numeric keys).

If you want to use a proxy in the same domain, press [On] for <Use Proxy within the Same Domain>.

If you want to use proxy authentication, press [Set Authentication] → [On] for <Use Proxy Auth.> → enter the user name to use for proxy authentication in [User], and the password to use for proxy authentication in [Password].

IMPORTANT

If you are using the Direct Print Kit (for PDF/XPS), you can print a file in the PDF, XPS, or PS format by specifying its URL using the Remote UI. To print a file by specifying its URL using the Remote UI, you need to specify the proxy settings suitable for your environment. (Set in this step.)

11 On the Network screen, press [Firewall Settings] → [Mac Address Filter] → specify the following.

By specifying the settings described below, you can filter received packets and transmitted packets using MAC (Media Access Control) addresses and improve security when sending and receiving data. The possibility of a third person gaining unauthorized access can be reduced by configuring the settings for [MAC Address Filter] in accordance with the environment you are using.

If you want to deny data transmission/reception between a device with a specified MAC address and the machine, set the default policy for the transmission or reception filter so as to allow transmission/reception, and enter the MAC address to be denied. Data transmission/reception between the device having the specified MAC address and the machine will be disabled.

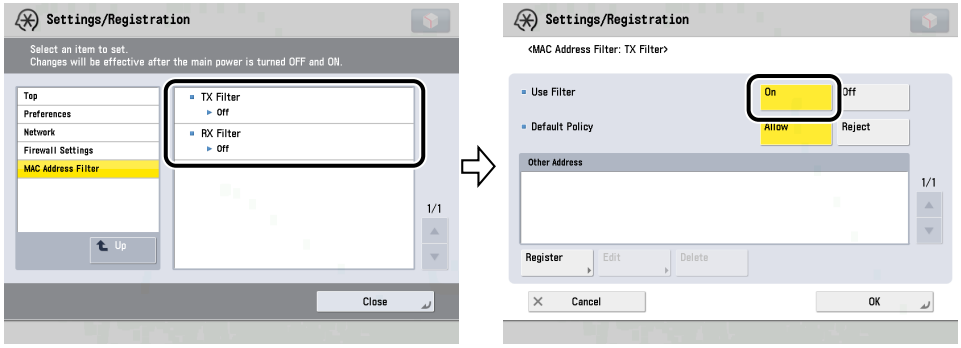
If you want to enable data transmission/reception only with a device having a specified MAC address, set the default policy for the transmission or reception filter so as to deny transmission/reception, and enter the MAC address to be allowed. Data transmission/reception will be enabled only between the device having the specified MAC address and the machine.

IMPORTANT

Up to 100 MAC addresses can be specified.

● If you want to deny transmission/reception of data with the device having the specified MAC address:

☐ Press [TX Filter] or [RX Filter] → set <Use Filter> to 'On'.



☐ Set <Default Policy> to [Allow].

☐ Press [Register] → set the MAC address for which data transmission/reception is to be denied.

● If you want to allow transmission/reception of data only with the device having the specified MAC address:

☐ Press [TX Filter] or [RX Filter] → set <Use Filter> to 'On'.

☐ Set <Default Policy> to [Reject].

☐ Press [Register] → set the MAC address for which data transmission/reception is to be allowed.

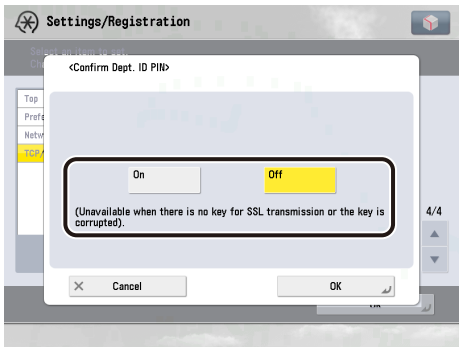
IMPORTANT

If you set <Default Policy>to [Reject], data transmission/reception is only possible with the device having the MAC address specified in this procedure. Be sure to confirm the MAC address when configuring the settings. If a corresponding MAC address does not exist, data transmission/reception will not be possible.

● If you do not want to restrict data transmission/reception:

☐ Press [TX Filter] or [RX Filter] → set <Use Filter> to 'Off'.

12 On the TCP/IP Settings screen, press [Confirm Dept. ID PIN] → specify the following.

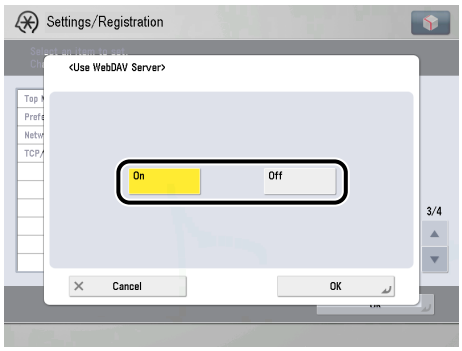


[On]: You can confirm the Department ID and password when printing using a driver that supports Windows Vista. [Use HTTP] is automatically set to 'On' if you select [On].

IMPORTANT

- A key pair to use for encrypted SSL communication is required to confirm Department IDs and passwords. Even if you set <Confirm Dept. ID PIN> to 'On', Department IDs and passwords cannot be confirmed if the key pair is corrupted or invalid. In this case, erase the key pair and see e-Manual > Security to register a new key pair.
- If there is no key pair, you cannot set <Confirm Dept. ID PIN> to 'On'. You can use the preinstalled key pair, or generate an original key pair with the machine, to set as the default key. For information on the default key, and instructions on how to generate an original key, see e-Manual > Security.

13 On the TCP/IP Settings screen, press [Use WebDAV Server] → specify the following.



[On]: You can access the Advanced Box of the machine from a computer using a WebDAV server. [Use HTTP] is automatically set to 'On' if you select [On].

NOTE

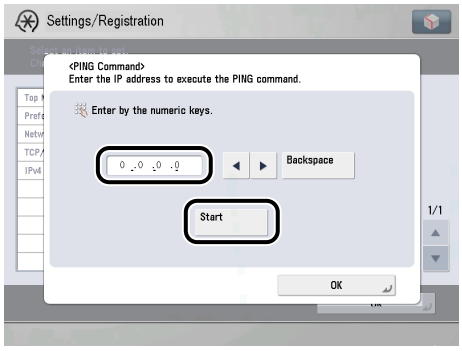
Authentication of a computer accessing the Advanced Box, and SSL encrypted communication between the computer and the machine, are possible using a WebDAV server.

Confirming TCP/IPv4 Settings

The following is the procedure for confirming that the network connections are properly set.

1 On the TCP/IP Settings screen, press [IPv4 Settings] → [PING Command].

2 In [PING Command], check the following.



Pressing [Start] after entering the desired IP address existing on the network displays the result of the PING command on the touch panel display.

If this result is inappropriate, check the settings described in "Interface Settings," on p. 3-6, "TCP/IPv4 Settings," on p. 4-3 and "Settings Common to TCP/IPv4 and TCP/IPv6," on p. 4-14.

IMPORTANT

- If you set the startup time of the machine's network function by following the procedure in "Startup Time Settings," on p. 4-24, execute the PING command only after the time set as the startup time passes.
- If you connect the machine to a switching hub, the machine may not be able to connect to a network even though your network settings are appropriate. This problem may be resolved by delaying the startup of network communications for the machine. See "Startup Time Settings," on p. 4-24 for information on how to set up the startup time.

3 On the TCP/IP Settings screen, press [SNTP Settings] → check the following.

After pressing [Check NTP Server], if <OK> is displayed, time synchronization is working correctly via SNTP.

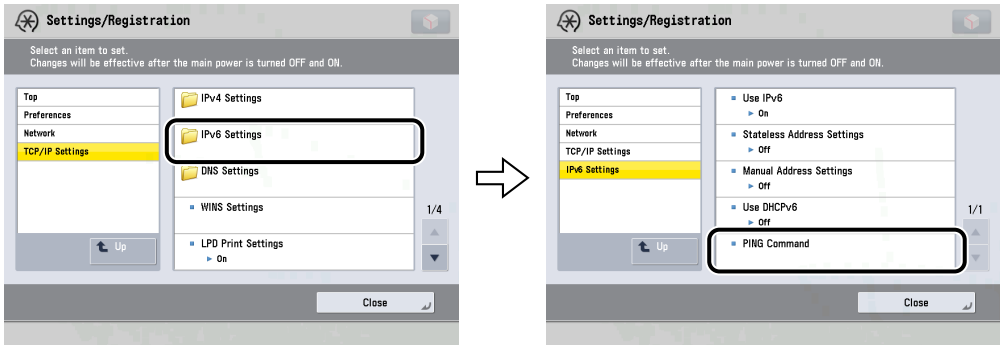
If <Error> is displayed, check the settings for [NTP Server Address] set in step 3 of "Settings Common to TCP/IPv4 and TCP/IPv6," on p. 4-14.

Even if you perform [Check NTP Server], time settings are not updated. Check that communications are possible between the machine and the NTP server.

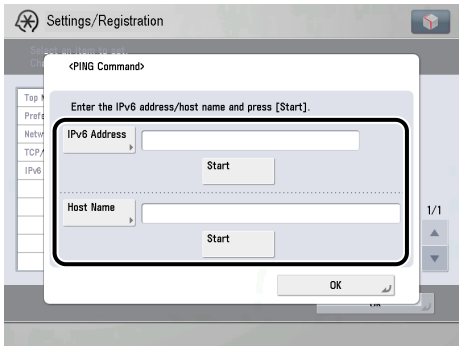
Confirming TCP/IPv6 Settings

The following is the procedure for confirming that the TCP/IPv6 network connections are properly set.

1 On the TCP/IP Settings screen, press [IPv6 Settings] → [PING Command].



2 In [PING Command], check the following.



Pressing [Start] after entering an IPv6 address existing on the network in [IPv6 Address] displays the result of the PING command on the touch panel display.

Pressing [Start] after entering the machine's host name in [Host Name] displays the result of the PING command on the touch panel display.

If this result is inappropriate, check the settings described in "Interface Settings," on p. 3-6, "TCP/IPv6 Settings," on p. 4-8 and "Settings Common to TCP/IPv4 and TCP/IPv6," on p. 4-14.

IMPORTANT

- If you set the startup time of the machine's network functions by following the procedure in "Startup Time Settings," on p. 4-24, execute the PING command only after the time set as the startup time passes.
- If you connect the machine to a switching hub, the machine may not be able to connect to a network even though your network settings are appropriate. This problem may be resolved by delaying the startup of network communications for the machine. See "Startup Time Settings," on p. 4-24 for information on how to set up the startup time.

3 On the TCP/IP Settings screen, press [SNTP Settings] → check the following.

After pressing [Check NTP Server], if <OK> is displayed, time synchronization is working correctly via SNTP.

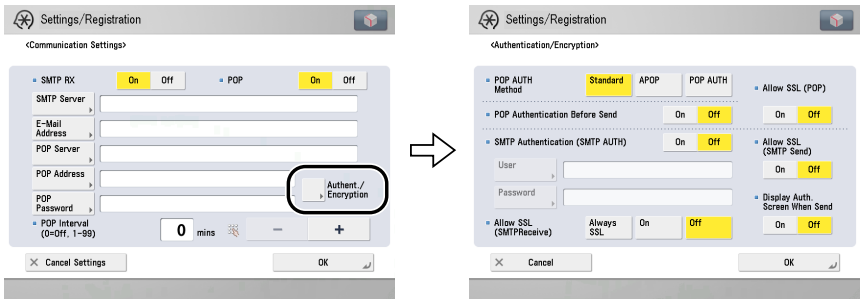
If <Error> is displayed, check the settings for [NTP Server Address] set in step 3 of "Settings Common to TCP/IPv4 and TCP/IPv6," on p. 4-14.

Even if you perform [Check NTP Server], time settings are not updated. Check that communications are possible between the machine and the NTP server.

E-Mail/I-Fax Settings

1 **Press (Settings/Registration) → [Function Settings] → [Send] → [E-Mail/I-Fax Settings] → [Communication Settings].**

2 **Specify the mail server for receiving e-mail/I-faxes.**



The machine supports both the SMTP and POP3 functions.

The machine can receive I-fax images and communication error notices only.

● If you want to receive e-mail/I-faxes using the machine's own SMTP receiving function:

☐ Register the host name of the machine with the DNS server → specify the following.

Press [On] for <SMTP Receipt> → press [Off] for <POP>.

In [E-mail Address], enter the e-mail address your machine will use. You can specify any user name (the part of the address located in front of the @ symbol). Enter the host name after the "@" symbol in the e-mail address.

If you select [Always SSL] for <Allow SSL (SMTP Receive)>, reception of only data encrypted using SSL is allowed and communications from the host not using SSL are rejected.

If you select [On] for <Allow SSL (SMTP Receive)>, depending on the request from the host, reception of data encrypted using SSL is allowed only when there is a request from the host.

IMPORTANT

- Even if you select [On] for <Allow SSL (SMTP Receive)>, the data will not be encrypted if the SMTP host does not support encryption.
- In order to select [Always SSL]. or [On] for <Allow SSL (SMTP Receive)> to allow SSL transmission, it is necessary to generate a key pair in advance. For instructions on how to generate a key pair, see e-Manual > Security.

● If you want to receive e-mail/I-faxes using a POP server:

☐ Press [On] for <POP> → press [Off] for <SMTP Receive>.

In [E-mail Address], enter the e-mail address your machine will use.

In [POP Server], enter the IP address or name of the POP server using the keyboard on the touch panel display.

In [POP Address], enter the login name for access to the POP server.

In [POP Password], enter the password for access to the POP server.

Set <POP Interval> to the interval you want the POP server to check for incoming e-mail. If the interval is set to '0', the POP server is not checked automatically. For instructions on how to manually check the POP server, see e-Manual > Scan and Send.

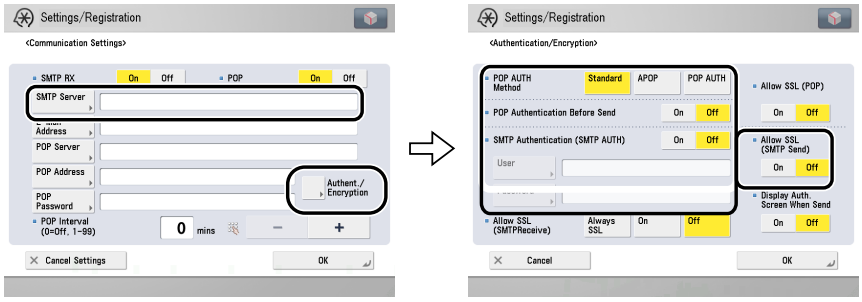
Select the authentication method supported by the POP server from [Standard], [APOP], or [POP AUTH] for <POP AUTH Method>.

If you want to send encrypted data, press [On] for <Allow SSL (POP)>.

IMPORTANT

- If you set more than '10 min' for <POP Interval>, the machine will not enter a complete Sleep mode.
- If the POP server does not support SSL encryption, data is not encrypted when [On] is selected for <Allow SSL (POP)>.
- In order to select [On] for <Allow SSL (POP)> to allow SSL transmission, it is necessary to generate a key pair in advance. For instructions on how to generate a key pair, see e-Manual > Security.

3 Specify the mail server for sending e-mail/I-faxes.



● **If you are using an SMTP server that requires POP before SMTP (method for authenticating users who have logged in the POP server before sending e-mail):**

☐ In [SMTP Server], enter the IP address or name of the SMTP server using the keyboard on the touch panel display.

Press [On] for <POP Authentication before Send> → press [Off] for <SMTP Authentication (SMTP AUTH)>.

● **If you are using an SMTP server that requires SMTP Authentication (method for authenticating users who have logged in the SMTP server before sending e-mail):**

☐ In [SMTP Server], enter the IP address or name of the SMTP server using the keyboard on the touch panel display.

Press [On] for <SMTP Authentication (SMTP AUTH)> → press [Off] for <POP Authentication before Send>.

In [User], enter the user name used for logging in to the SMTP server. If you are using a Microsoft SMTP server, enter the user name in [User] using the following format: user name@domain name.

In [Password], enter the password used for logging in to the SMTP server.

To encrypt data to be sent using SSL, select [On] for <Allow SSL (SMTP Send)>

If you want to display the authentication screen when sending, set [Display Auth. Screen When Send].

IMPORTANT

If the SMTP host does not support encryption, data is not encrypted when [On] is selected for <Allow SSL (SMTP Send)>.

● **If you are using an SMTP server that does not require authentication for sending e-mail:**

☐ In [SMTP Server], enter the SMTP server IP address or name using the keyboard on the touch panel display.

Press [Off] both for <SMTP Authentication (SMTP AUTH)> and <POP Authentication before Send>.

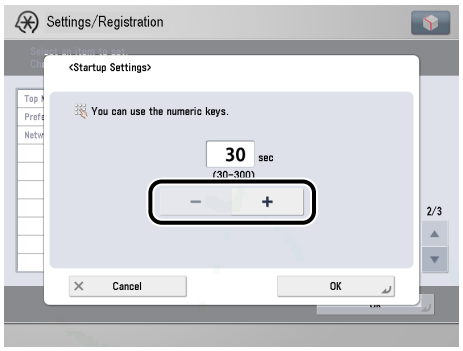
Startup Time Settings

If you connect the machine to a switching hub, it may not be able to connect to a network even though your network settings are set correctly.

This occurs because the spanning tree process performed between switching hubs prevents them from communicating with each other immediately after the machine connects to a switching hub.

In this case, use the following procedure to delay the start of communication.

1 On the Network screen, press [Startup Settings] → specify the following.



Press [-] or [+] to set the time period to delay the startup of network communications for the machine.

Setting Up a Computer as a File Server

To send data from the machine to a computer on your network, you need to specify the settings of the computer for receiving data.

You can send data over a TCP/IP network to any of the following:

- FTP server (Windows 2000/XP/Server 2003/Vista, UNIX, Linux, Mac OS X)
- WebDAV server (Windows 2000 Server/2000 Professional/XP/Server 2003/Server 2008/Vista, UNIX, Linux, Mac OS X)
- Windows shared folder (Windows 2000/XP/Server 2003/Server 2008/Vista)
- Samba shared folder (UNIX/Linux/Mac OS X)

This section describes how to set up a computer as an FTP/WebDAV server.

For instructions on how to configure a Windows and Samba shared folder, see "Setting Up a Computer as a File Server," on p. 6-6.

IMPORTANT

- Samba 2.2.8a or later is supported.
- This section describes only the procedures for setting up a computer to receive data sent from the machine. To send data from the machine to a server on the network, you must enter an address setting from the control panel. For instructions on how to specify recipient address settings, see e-Manual > Scan and Send.
- The following procedure explains a sample FTP/WebDAV server setup. Depending on your environment, the actual setup procedure may differ.

FTP Server Settings

Windows 2000/XP/Server 2003/Server 2008/Vista

This section describes the procedures for using the default home directory under [Default FTP Site]. To use other settings, enter the FTP site and home directory by referring to the IIS documentation.

It is recommended that you consult the administrator for the network you are using when configuring the FTP server.

In the following procedures, items displayed on the screens for Windows 2000 are used. The items displayed may differ according to your operating system.

IMPORTANT

- The use of Windows 2000 Server/XP Professional/Server 2003/Vista as an FTP server requires the installation of IIS. If IIS is not installed in the computer you are using, you will need to install the version of IIS for the operating system you are using before entering these settings. (See "System Requirements" in "Sending Data," on p. 2-6.) For installation procedures, see the manuals provided with your operating system.
- User authentication for access to FTP servers is performed using the local account database of Windows 2000 Server/XP Professional/Server 2003/Vista used as the FTP server. Therefore, it is not possible to use the account of a domain user registered in Windows 2000 Server/XP Professional/Server 2003/Vista to send data directly from the machine to FTP servers in other domains.

NOTE

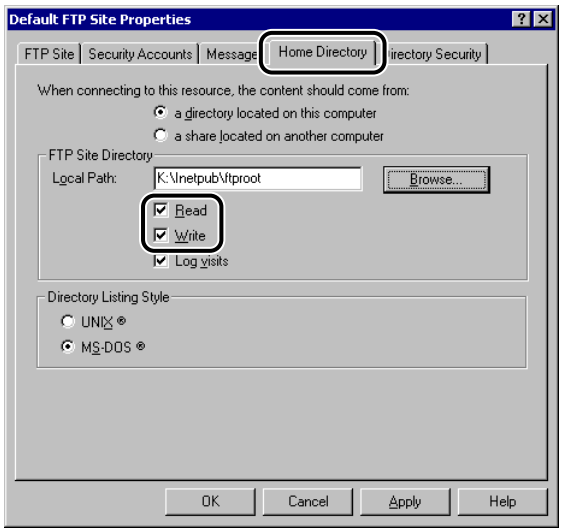
If you are using Windows Vista, a dialog box may be displayed while you are performing the procedure. In this case, enter a user name and password. For more information, see the manuals provided with the operating system.

1 **Log on to Windows as a member of the group with access rights to the directory to be designated as the FTP site directory → start IIS.**

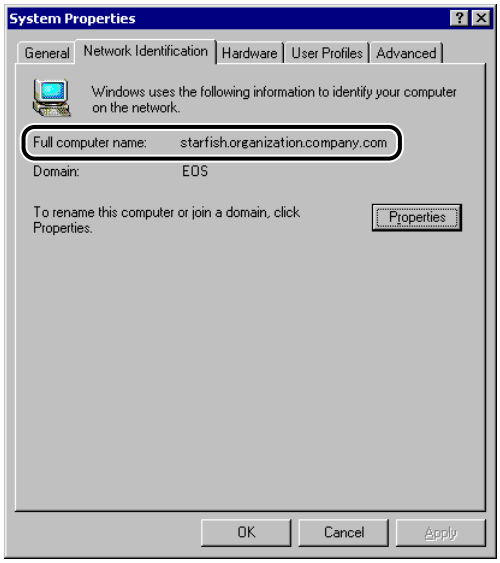
Depending on your environment, the access rights settings for a drive or directory may differ. For details, see the Windows manual.

2 **In the [Default FTP Site Properties] dialog box, on the [Security Accounts] sheet, deselect the option which allows only anonymous connection.**

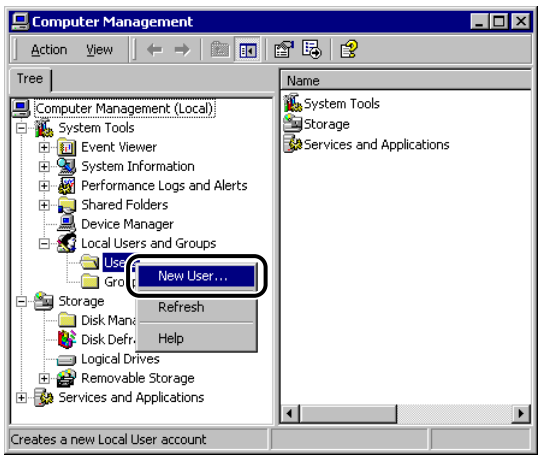
3 **In the [Default FTP Site Properties] dialog box, on the [Home Directory] sheet, select both [Read] and [Write].**



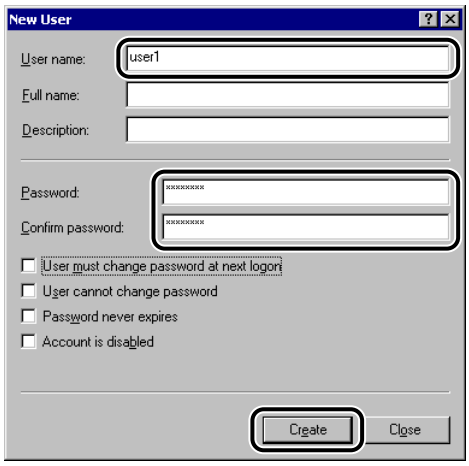
4 **Right-click [My Computer] → click [Properties] to open the [System Properties] dialog box → confirm [Full computer name].**



5 **Right-click [My Computer] → click [Manage] to open the [Computer Management] window → under [System Tools], in [Local Users and Groups], right-click the [Users] folder → click [New User].**



6 **In the [New User] dialog box, enter the user name in [User name] → enter the password in [Password] → re-enter the password in [Confirm Password] → click [Create].**



Enter a user name and a password not longer than 24 alphanumeric characters.

If [User must change password at next logon] is selected, any new users added must change their passwords in order to send data from the machine. (You cannot change the password from the control panel.)

NOTE

In the Active Directory environment, the procedures for setting up users differ from the above. For details, see the Windows manual.

7 Set a recipient address using the control panel.

Sample recipient setting:

- Server side settings:

  Full computer name: starfish.organization.company.com

  Create a directory named "share" in the home directory "\Inetpub\ftproot", under [Default FTP Site], and then set "share" as the data destination.

- The machine's recipient settings:

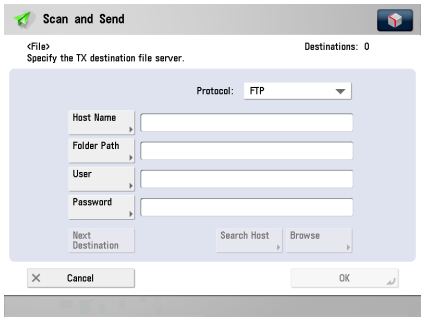
  <Protocol>: FTP

  [Host Name]: starfish.organization.company.com

  [Folder Path]: share

  [User]: User name entered in step 5

  [Password]: Password for the above user



IMPORTANT

- To use [Full computer name], which was confirmed in step 4, as the host name for [Host Name] as shown in the above example, it is necessary to use a DNS server. (This applies even if the machine and the FTP server are in the same subnet.) If no DNS server is available, the host name setting should be specified using the IP address of the FTP server.
- Up to 128 alphanumeric characters can be entered for [Host Name] on the control panel. Also, up to 255 alphanumeric characters can be entered for [Folder Path].
- If you switch the language of the touch panel display, [Host Name] and [Folder Path] may not be displayed correctly.
- If you want to send to an IPv4 host using an FTP port other than port 21, set [Host Name] using the following format:
  <IPv4 address of FTP server>:<Port number>
  Example: 192.168.1.21:21000
- To send to an IPv6 host, set [Host Name] using the following format:
  <IPv6 address>:<Port number>
  Example: [5aed:90a0:bc05:01d2:568a:2fc0:0001:12ee]:21000

UNIX/Linux

For more information on the system requirements for using a UNIX/Linux computer as an FTP server, see "System Requirements" in "Sending Data," on p. 2-6.

In some environments, detailed settings may be required in order to use FTP. For details, consult the administrator for the network you are using.

1 **Log in to a workstation as a superuser → set up the users who send documents from the machine, and their passwords.**

Enter a user name and a password not longer than 24 alphanumeric characters.

2 **Create a shared directory to be used for recipient addresses, and then enable read access and write access by the users who will be sending data.**

3 **Set a recipient address using the control panel.**

Sample recipient setting:

- Server side settings:

Host name:	starfish
Domain:	organization.company.com

The user's home directory is /home/hsato, and /home/hsato/share is the data destination

- The machine's recipient settings:

<Protocol>:	FTP
[Host Name]:	starfish.organization.company.com
[Folder Path]:	Enter one of the following: share (when using relative path) /home/hsato/share (when using absolute path)
[User]:	User name entered in step 1
[Password]:	Password for the above user

For a sample screen, see the example of Windows 2000/XP/Server 2003/Server 2008/Vista screen. (See "Windows 2000/XP/Server 2003/Server 2008/Vista," on p. 4-25.)

IMPORTANT

- To use the host name of the above example for [Host Name], it is necessary to use a DNS server. (This applies even if the machine and the FTP server are in the same subnet.) If no DNS server is available, the host name setting should be specified using the IP address of the FTP server.
- Up to 128 alphanumeric characters can be entered for [Host Name] on the control panel. Also, up to 255 alphanumeric characters can be entered for [Folder Path].
- If you switch the language of the touch panel display, [Host Name] and [Folder Path] may not be displayed correctly.
- If you want to send to an IPv4 host using an FTP port other than port 21, set [Host Name] using the following format:
  <IPv4 address of FTP server>:<Port number>
  Example: 192.168.1.21:21000
- To send to an IPv6 host, set [Host Name] using the following format:
  <IPv6 address>:<Port number>
  Example: [5aed:90a0:bc05:01d2:568a:2fc0:0001:12ee]:21000

Mac OS X

1 **Log in to Mac OS X as Administrator → start the FTP services under Mac OS X.**

2 **Click the [Sharing] icon → [Allow FTP access] → click [Show All] on the toolbar.**

3 **Click [Users] to open the [Users] window → enter the name of the user to whom you want to send data from the machine through Mac OS X → enter the password.**

Enter a user name, and a password not longer than 24 alphanumeric characters.

4 **Create a shared folder to which files are to be sent.**

Sample setting:

Create a folder named "FTP_Folder" in the [Public] folder in the [Home] folder.

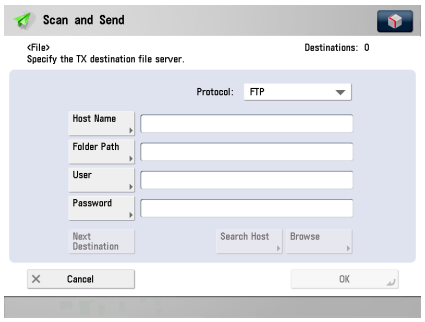
5 **Select the shared folder created in step 4 → select [Show Info] from the [File] menu → select [Privileges] from [Show] → enable read & write access to the folder by the owner and members of the group to which the owner belongs.**

6 **Set a recipient address using the control panel.**

Sample recipient setting:

- Server side settings (set using the above procedure):
  Create a folder named "FTP_Folder" in the [Public] folder in the [Home] folder of the user named "yoko," and then specify the FTP_Folder as the folder to which files are sent.
- The machine's recipient settings:

<Protocol>:	FTP
[Host Name]:	IP address of Macintosh
[Folder Path]:	Enter one of the following: Public/FTP_Folder (If you enter a relative path) /Users/yoko/Public/FTP_Folder (If you enter an absolute path)
[User]:	User name entered in step 3
[Password]:	Password for the above user



IMPORTANT

- Up to 255 alphanumeric characters can be entered for [Folder Path] on the control panel.
- If you switch the language of the touch panel display, [Host Name] and [Folder Path] may not be displayed correctly.
- If you want to send to an IPv4 host using an FTP port other than port 21, set [Host Name] using the following format:
  <IPv4 address of FTP server>:<Port number>
  Example: 192.168.1.21:21000
- To send to an IPv6 host, set [Host Name] using the following format:
  <IPv6 address>:<Port number>
  Example: [5aed:90a0:bc05:01d2:568a:2fc0:0001:12ee]:21000

WebDAV Server Settings

The WebDAV sending function is a function for sending scanned image files, image files for received faxes, or image files sent from the mail boxes or Memory RX Inbox of the machine, to a WebDAV server directory on the Internet or your intranet, using the WebDAV protocol.

This section describes the procedure for setting up a WebDAV publishing directory. Setting up a publishing directory enables users who have the necessary access privileges to manage files in the directory.

It is recommended that you consult the administrator for the network you are using when configuring the WebDAV server.

IIS for Windows 2000/2000 Server/XP/Server 2003/Server 2008/Vista

The procedure below uses items of Windows 2000 as an example. Depending on your environment, the items you see on the screen may differ.

IMPORTANT

- If IIS is not installed in the computer you are using, you will need to install the version of IIS for the operating system you are using before entering these settings. (See "System Requirements" in "Sending Data," on p. 2-6.) For installation procedures, see the manuals provided with your operating system.
- Server authentication is required for sending to a WebDAV server. Enable authentication before using a WebDAV server. The authentication methods available for the server are Anonymous, Basic, or Digest authentication, and authentication errors will occur if you try to use another authentication method. If the Anonymous authentication method is enabled, access rights are assigned to all users, and IIS always performs anonymous authentication, even if either of the other two authentication methods are enabled. (The priority level is Anonymous authentication > Digest authentication > Basic authentication.) If a high level of security is required, disable anonymous authentication. Use the user names and passwords registered in the address book of the WebDAV server for the Basic and Digest authentication methods. For instructions on how to set the authentication method for IIS, see the IIS documentation.
- If you use WebDAV transmission with IIS 7.0, use either Basic authentication or Digest authentication.
- When connecting to a WebDAV server via a proxy with Digest authentication set using IIS 6.0, it is necessary to set <Use Divided Chunk Send for WebDAV TX> to 'On' from the control panel of the machine. (See e-Manual > Settings/Registration.)
- If you use WebDAV with IIS 7.0, you must download the Microsoft WebDAV Extension from the IIS web site and install it separately. For details, refer to the IIS documentation.

1 Right-click [My Computer] → in the [C:/Inetpub] folder, create a physical directory to use as the sending destination.

IMPORTANT

The physical directory cannot be created in the [C: /Inetpub/wwwroot] folder, because the default DACL of wwwroot differs from that of other directories.

2 Create a virtual directory.

- ☐ Start IIS → from the IIS snap-in, select the Web site to add a directory to.
- ☐ On the [Action] menu, point to [New] → select [Virtual Directory].
- ☐ Follow the instructions on the Virtual Directory Creation Wizard to complete the creation of the directory.

  Specify the directory path created in step 1 as a physical path to the virtual directory.

  For IIS 7.0, start IIS and right-click Default Web Site in the Connections panes on the left side of the IIS manager, then select [Add Virtual Directory] and enter an alias and physical path.

3 Select [Write] in the virtual directory properties to give access for writing files to the WebDAV clients.

If you are using IIS 6.0, click [Allow] for [WebDAV] in [Web Service Extensions] in IIS Manager.

If you are using IIS 7.0, select the virtual directory you have created from the Connections panes on the left side of the IIS manager, then select [WebDAV Authoring Rules] from [Home]. Select [Add Authoring Rule] from [Actions], and enter the appropriate access settings. Select [Edit Permissions] from [Actions], and set the access permissions for the physical directory in the [Security] tab of the properties dialog box.

4 See the IIS documentation to specify the settings for SSL encrypted communication.

5 Set a recipient address from the control panel.

Sample recipient settings:

- Server side settings:

Create a physical directory named "C:/Inetpub/export/share/home/users/", and then create a virtual directory that links to the physical directory as the folder to which files are sent.

- The machine's address settings:

<Protocol>:	WebDAV
[Host Name]:	https://starfish.cse.canon.co.jp/
[Folder Path]:	/export/share/home/users/
[User]:	User name for the Basic and Digest authentication methods of the WebDAV server
[Password]:	Password for the Basic and Digest authentication method of the WebDAV server

IMPORTANT

- Up to 128 alphanumeric characters can be entered for [Host Name] on the control panel. Also, up to 255 alphanumeric characters can be entered for [Folder Path].
- If you switch the language of the touch panel display, [Host Name] and [Folder Path] may not be displayed correctly.
- If the language of the touch panel display differs from the computer used as a master browser, [Host name] and [Folder path] may not be displayed correctly, or you may not be able to browse the directories.
- To send to an IPv6 host, set [Host Name] using the following format:
  <IPv6 address>:<Port number>
  Example: [5aed:90a0:bc05:01d2:568a:2fc0:0001:12ee]:21000

Apache for Windows 2000/2000 Server/XP/Server 2003/Server 2008/Vista/UNIX/Linux/Mac OS X

The following procedures describe how to create the "users/user_name/WebDAV" directory using the procedure for creating the directory under "C:/Program Files/Apache Group/Apache2" in the Windows file system as an example.

IMPORTANT

- Apache 1.3 is provided with Mac OS X. If Apache is not installed in the computer you are using, install the version for the operating system you are using (downloadable from the Apache Software Foundation Web site at http://www.apache.org/.) before entering these settings. (See "System Requirements" in "Sending Data," on p. 2-6.) If you want to use SSL, install a version of Apache that supports SSL (downloadable from the Apache-SSL official Web site at http://www.apache-ssl.org/). After installing Apache, start it and confirm that the Apache service is working properly.
- If you are using Mac OS X, root has ownership of the Apache setting file (/etc/httpd/httpd.conf). In this case, perform one of the following procedures before specifying the WebDAV settings. For more information, see the documentation provided with your Macintosh or the Apache Software Foundation Web site at http://www.apache.org/.
  - Obtain root access from the Terminal, using the sudo or su command
  - In the Finder, temporarily change the permissions for the Apache setting file to give permission to the user who will set the WebDAV server (return the permissions for the Apache setting file to their original values after setting the WebDAV server.)
- Server authentication is required for sending to a WebDAV server. Enable authentication before using a WebDAV server. The authentication methods available for the server are the Basic and Digest authentication methods, and authentication errors will occur if you try to use another authentication method. If you set both the Basic and Digest authentication methods, the authentication method you set last will be enabled. Use the user names and passwords registered in the address book of the WebDAV server for authentication. For instructions on how to set authentication methods, see the Apache Software Foundation Web site at http://www.apache.org/.

1 Edit httpd.conf.

☐ Erase # on the left of the line to enable the WebDAV modules.

Directive to be changed:

- Before change
  #LoadModule dav_module modules/mod_dav.so
  #LoadModule dav_fs_module modules/mod_dav_fs.so
- After change
  LoadModule dav_module modules/mod_dav.so
  LoadModule dav_fs_module modules/mod_dav_fs.so

☐ Specify the server name.

Directive to be changed:

- Before change
  #ServerName localhost:80
- After change
  #ServerName localhost:80
  ServerName Apache-Server.ccm.canon.co.jp:80

☐ Change the user directory.

Directive to be changed:

- Before change
  UserDir "My Documents/My Website"
- After change
  #UserDir "My Documents/My Website"
  UserDir "C:/Program Files/Apache Group/Apache2/users""

☐ To enable the DAV function, add the following directive:

<Location /~user_name/WebDAV>

DAV On

</Location>

2 After specifying the settings for SSL encrypted communication, configure httpd.conf so that the Apache service starts with SSL support.

For more information, see the Apache Software Foundation Web site at http://www.apache.org/.

3 Restart Apache.

4 Set a recipient address from the control panel of the machine.

Sample recipient settings:

- Server side settings:

Create the "users/user_name/WebDAV" directory under "C:/Program Files/Apache Group/Apache2" as the folder to send files to.

- The machine's address settings:

<Protocol>:	WebDAV
[Host Name]:	https://Apache-Server.ccm.canon.co.jp/
[Folder Path]:	/~user_name/WebDAV/
[User]:	User name for the Basic and Digest authentication methods of the WebDAV server
[Password]:	Password for the Basic and Digest authentication method of the WebDAV server

IMPORTANT

- Up to 128 alphanumeric characters can be entered for [Host Name] on the control panel. Also, up to 255 alphanumeric characters can be entered for [Folder Path].
- If you switch the language of the touch panel display, [Host Name] and [Folder Path] may not be displayed correctly.
- If the language of the touch panel display differs from the computer used as a master browser, [Host name] and [Folder path] may not be displayed correctly, or you may not be able to browse the directories.
- To send to an IPv6 host, set [Host Name] using the following format:
  <IPv6 address>:<Port number>
  Example: [5aed:90a0:bc05:01d2:568a:2fc0:0001:12ee]:21000.

Using a NetWare Network (Windows)

5
CHAPTER

This chapter describes settings and procedures for using the machine with a NetWare network.

NetWare Network Setup Procedures 5-2
Protocol Settings 5-3

NetWare Network Setup Procedures

To use a NetWare network, it is necessary to perform the following procedures.

1 **NetWare Print Service Settings (See e-Manual > Network)**

Specify the NetWare print service settings. (Optional equipment is required to print or send a fax from a computer. For the equipment needed, see "Optional Equipment and System Requirements for Connecting to a Network," on p. 2-2.)

To specify the settings from the computer, use:

- NWADMIN or PCONSOLE (Novell software provided with NetWare)
- Canon utilities

2 **Protocol Settings (See "Protocol Settings," on p. 5-3.)**

Specify the protocol settings. To specify the settings, use:

- The machine's control panel
- The Remote UI (via a web browser)
- Canon utilities

3 **Computer Settings for Printing/Sending a Fax (See e-Manual > Network)**

Specify the settings of each computer you use for printing or sending a fax. (Optional equipment is required to print or send a fax from a computer. For the equipment needed, see "Optional Equipment and System Requirements for Connecting to a Network," on p. 2-2.)

IMPORTANT

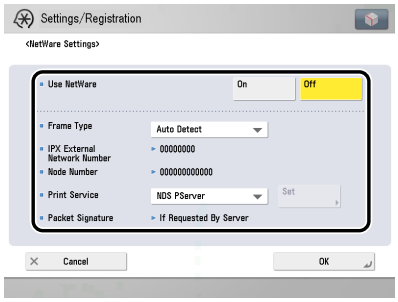
- It is recommended that you consult the administrator for the network you are using when performing steps 1 and 2 above.
- To configure settings with software other than the control panel of the machine, NWADMIN, or PCONSOLE, TCP/IPv4 protocol must be supported by your network environment (IPv6 is not supported).
- If you are using the imagePASS, the ColorPASS, or the PS-GX, see the manual provided with the imagePASS, the ColorPASS, or the PS-GX.
- If you are using the imagePASS, the ColorPASS, or the PS-GX, some functions are not available with this machine. For details, see the manual provided with the imagePASS, the ColorPASS, or the PS-GX.

Protocol Settings

This section describes how to specify the protocol settings for the machine using the control panel. If you are configuring the settings for the first time, use the control panel of the machine.

After configuring the settings, you can change them using software other than the control panel of the machine. For details, see e-Manual > Settings/Registration.

1 On the Network screen, press [NetWare Settings] → specify the following.



<Use NetWare>: [On]

Select the frame type for your environment from the Frame Type drop-down list. If you select [Auto Detect], the frame type is automatically determined.

Select the print service specified in "NetWare Print Service Settings" (e-Manual > Network) from the Print Service drop-down list.

The following print services are available:

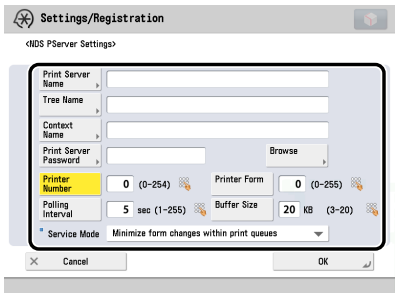
- [Bindery PServer]:
  Used in the queue server mode (Bindery mode print service).
- [RPrinter]:
  Used in the remote printer mode (Bindery mode print service).
- [NDS PServer]:
  Used in the queue server mode (NDS print service).
- [NPrinter]:
  Used in the remote printer mode (NDS print service).

IMPORTANT

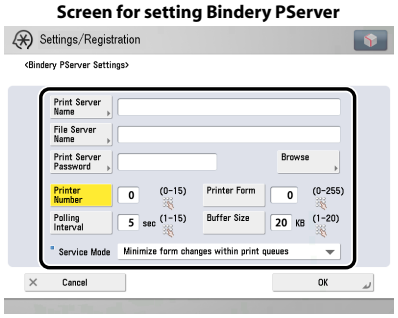
- If [NetWare Settings] is not displayed, consult your local authorized Canon dealer.
- If you set <Use NetWare> to 'On', the machine will not enter a complete Sleep mode.

2 Press [Set] → specify the print service details.

Screen for setting NDS PServer



Screen for setting Bindery PServer



Specify the same tree, context, file server, and print server names that you specified in "NetWare Print Service Settings." (Settings differ depending on the print service. For print service settings, see e-Manual > Network.)

You can specify the print service settings either by selecting the desired options from the list on the screen that appears when you press [Browse], or by entering the desired character string for each item.

IMPORTANT

If you want to use [Browse] to specify each item, make sure you press [Browse] after the expiration of the time specified in "Startup Time Settings," on p. 4-24.

● Setting NDS PServer or NPrinter in the Browse screen (If the browse right is not limited to the specific user):

- ☐ Press [Skip Log In] in the Browse screen.

  If the browse right is not limited to the specific user, you can specify the print service without having to log in to NetWare.
- ☐ Select the tree to which the desired print server belongs → select the context to which the desired print server belongs → select the desired print server.
- ☐ For NDS PServer, specify each item on the screen for setting NDS PServer if necessary.

● Setting NDS PServer or NPrinter in the Browse screen (If the browse right is limited to the specific user):

- ☐ In the Browse screen, press the tree to which you want to log in → select the context to which you want to log in.
- ☐ Press [Log In] → in the Enter Network Password screen, enter the name and password of a user to whom the browse right is granted.

  If the browse right is limited to the specific user, it is necessary to log in to NetWare as a user to whom the browse right is granted.

  Enter a user name prefixed with 'CN='. If the password is not specified, leave [Password] blank.
- ☐ Select the tree to which the desired print server belongs → select the context to which the desired print server belongs → select the desired print server.
- ☐ For NDS PServer, specify each item on the screen for setting NDS PServer if necessary.

● Setting Bindery PServer or RPrinter in the Browse screen:

- ☐ In the Browse screen, select the file server to which the desired print server belongs.
- ☐ In the Enter Network Password screen, enter the name and password of a user on the file server.

  If the password is not specified, leave [Password] blank.
- ☐ Select the desired print server.
- ☐ Specify each item on the screen for setting Bindery PServer if necessary.

● Setting NDS PServer or NPrinter using the keyboard on the touch panel display:

- ☐ In [Tree Name], enter the name of the tree to which the desired print server belongs → in [Context Name], enter the name of the context to which the desired print server belongs → in [Print Server Name], enter the name of the desired print server.

  Sample settings:

  ```
  CANON (tree name)
  ├── o=CANON_SALES
  │   └── ou=SALES
  │       └── ou=SALES_1
  │           └── cn=IR_PSV (print server)
  ```

  In an environment like the one above, the tree name and the context name are entered as follows:

  Tree: <CANON>

  Context: <ou=SALES_1.ou=SALES.o=CANON_SALES>
  or <SALES_1.SALES.CANON_SALES>

- ☐ For NDS PServer, specify each of the other items if necessary.

● Setting Bindery PServer or RPrinter using the keyboard on the touch panel display:

- ☐ In [File Server Name], enter the name of the file server to which the desired print server belongs → in [Print Server Name], enter the name of the desired print server.
- ☐ For Bindery PServer, specify each of the other items if necessary.

Using an SMB/CIFS Network

6

CHAPTER

This chapter describes settings and procedures for using the machine with an SMB/CIFS network.

SMB/CIFS Network Setup Procedures 6-2

Protocol Settings 6-3

TCP/IP Settings 6-3

SMB and WINS Settings 6-3

Setting Up a Computer as a File Server 6-6

Connecting to a TCP/IP Network 6-6

Connecting to an SMB/CIFS Network and Configuring a Shared Folder 6-6

SMB/CIFS Network Setup Procedures

To use an SMB/CIFS network, it is necessary to perform the following procedures.

1 **Protocol Settings (See "Protocol Settings," on p. 6-3.)**

Specify the protocol settings. To specify the settings, use:

- The machine's control panel
- The Remote UI (via a web browser).

2 **Computer Settings for Printing/Sending a Fax (See e-Manual > Network)**

Specify the settings of each computer you use for printing or sending a fax. (Optional equipment is required to print or send a fax from a computer. For the equipment needed, see "Optional Equipment and System Requirements for Connecting to a Network," on p. 2-2.)

3 **Computer Settings for a File Server (See "Setting Up a Computer as a File Server," on p. 6-6.)**

Specify the settings of the computer receiving data sent from the machine.

IMPORTANT

- It is recommended that you consult the administrator for the network you are using when performing steps 1 and 3 above.
- The only base protocols supported by the machine for SMB/CIFS networks are TCP/IPv4 and TCP/IPv6. NetBEUI is not supported (SMB is used as a print application).
- If you are using the imagePASS, the ColorPASS, or the PS-GX, see the manual provided with the imagePASS, the ColorPASS, or the PS-GX.
- If you are using the imagePASS, the ColorPASS, or the PS-GX, some functions are not available with this machine. For details, see the manual provided with the imagePASS, the ColorPASS, or the PS-GX.

Protocol Settings

This section describes how to specify the protocol settings for the machine using the control panel. If you are configuring the settings for the first time, use the control panel of the machine.

After configuring the settings, you can change them using software other than the control panel of the machine. For details, see e-Manual > Settings/Registration.

TCP/IP Settings

1 Specify the TCP/IP settings.

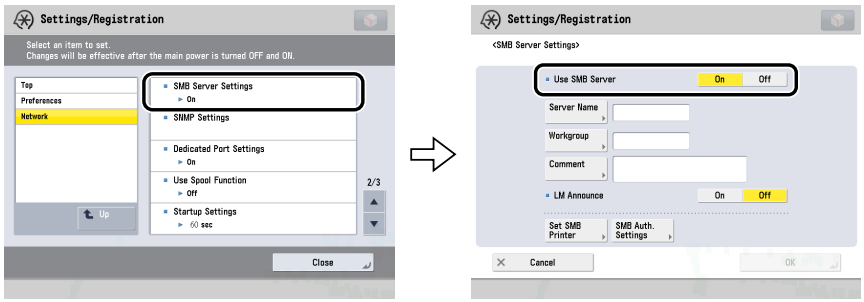
If you have not entered the TCP/IP settings yet, enter them now. (For more information, see "TCP/IPv4 Settings," on p. 4-3, "TCP/IPv6 Settings," on p. 4-8 and "Settings Common to TCP/IPv4 and TCP/IPv6," on p. 4-14.)

SMB and WINS Settings

To use the machine on an SMB/CIFS network, specify the SMB settings.

To resolve a name with WINS(Windows Internet Name Service), specify the WINS settings using the following procedure. WINS is a service for associating a NetBIOS name (which is a computer name or printer name on an SMB/CIFS network) with an IP address. To use WINS, specify the IP address settings for the WINS server.

1 On the Network screen, press [SMB Server Settings] → select [On] for <Use SMB Server>.



IMPORTANT

If you set <Use SMB Server> to 'On', the machine will not enter a complete Sleep mode.

2 On the SMB Server Settings screen, specify the following.

[Server Name]: Enter the name of the computer that the machine will belong to. Be sure to enter a name that is not being used by another computer or printer on the network.

[Workgroup]: Enter the name of the workgroup that the machine will belong to. If there are no workgroups in the environment you are using, create a workgroup in Windows and enter the name of that workgroup.

[Comment]: If necessary, you can enter a comment relating to the machine. When the printer information is displayed, the comment entered here is also displayed.

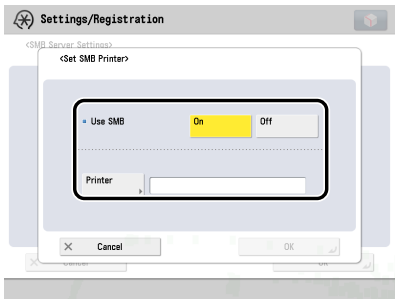
[On] for <LM Announce>: The LAN Manager can be informed of the existence of the machine.

[Off] for <LM Announce>: If the LAN Manager is not required to browse the machine, setting <LM Announce> to 'Off' reduces network traffic.

IMPORTANT

- You cannot enter the domain name as [Workgroup].
- You cannot enter a character string in [Server Name] and [Workgroup] that includes blanks.

3 To set up an SMB printer, press [Set SMB Printer] → specify the following.



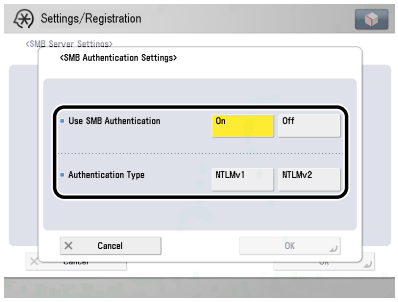
[On] for <Use SMB>: You can use SMB print.

[Printer]: Enter the printer name of the machine.

IMPORTANT

- You cannot enter a character string in [Printer] that includes blanks.
- Depending on the machine you are using, optional equipment is required for printing from a computer or sending a fax. For the equipment needed, see e-Manual > Optional Products.

4 To use the authentication function for SMB printing, press [SMB Auth. Settings] → specify the following.

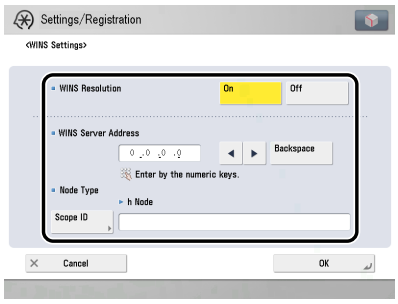


[On] for <Use SMB Authentication>:
Only users who have User Access Control for Advanced Box authentication can perform SMB printing. (For information on User Access Control for Advanced Box, see e-Manual > Security.) For SMB printing, NTLMv1 and NTLMv2 can be selected both individually or together.

[NTLMv1] for <Authentication Type>:
You can use NTLMv1 authentication. Select this setting when using Windows 2000/XP/Server 2003.

[NTLMv2] for <Authentication Type>:
You can use NTLMv2 authentication. Select this setting when using Windows Vista/Server 2008.

5 On the TCP/IP Settings screen, press [WINS Settings] → specify the following.



[On] for <WINS Resolution>: You can resolve the name with WINS. Enter the IP address of a WINS server in [WINS Server Address].

Enter the [Scope ID] settings if a scope ID is set on the computer in the network environment you are using. The scope ID is an identifier for determining the range available to a printer or computer. The scope ID set here is used regardless of the setting for <WINS Resolution>.

IMPORTANT

- If DHCP determines the IP address, the IP address obtained from a DHCP server is overwritten with the IP address of a WINS server (obtained from the DHCP server), whenever possible.
- If you set a scope ID, the machine cannot communicate with any computer whose scope ID is different from the scope ID you set here.
- If a scope ID is not set on any of the computers in your network environment, leave [Scope ID] blank.

Setting Up a Computer as a File Server

To send data from the machine to a computer on your network, you need to specify the settings of the computer for receiving data. You can send data over an SMB/CIFS network to a Windows or Samba (UNIX/Linux/Mac OS X) shared folder. This section describes how to configure a shared folder.

IMPORTANT

- Samba 2.2.8a or later is supported.
- This section describes only the procedures for setting up a computer receiving data sent from the machine. To send data from the machine to a server on the network, you must enter an address setting from the control panel. For instructions on how to specify recipient address settings, see e-Manual > Scan and Send.
- The following procedures describe a sample shared folder configuration. Depending on your environment, the actual configuration procedure may differ.

Connecting to a TCP/IP Network

A computer that receives data sent from the machine must have TCP/IP client software installed and must be enabled for TCP/IP network use. For details, see the manuals provided with your operating system.

You can send data over a TCP/IP network from the machine to an FTP server. For instructions on how to set up an FTP server, see "Setting Up a Computer as a File Server," on p. 4-25.

Connecting to an SMB/CIFS Network and Configuring a Shared Folder

Windows 2000/XP/Server 2003/Server 2008/Vista

It is recommended that you consult the administrator for the network you are using when configuring the file server.

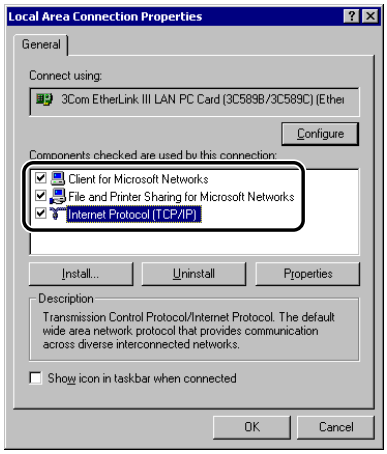
The number of users or clients that can access a server running Windows 2000/XP/Server 2003/Server 2008/Vista is limited. After this number of users or clients is reached, it is not possible to send to a server running Windows 2000/XP/Server 2003/Server 2008/Vista.

In the following procedures, items displayed on the screens for Windows 2000 are used. The items displayed may differ according to your operating system.

NOTE

If you are using Windows Vista, a dialog box may be displayed while you are performing the procedure. In this case, enter a user name and password. For more information, see the manuals provided with the operating system.

1 **Log on to Windows as an Administrator → in the [Local Area Connection Properties] dialog box, select all [Client for Microsoft Networks], [File and Printer Sharing for Microsoft Networks], and [Internet Protocol (TCP/IP)].**

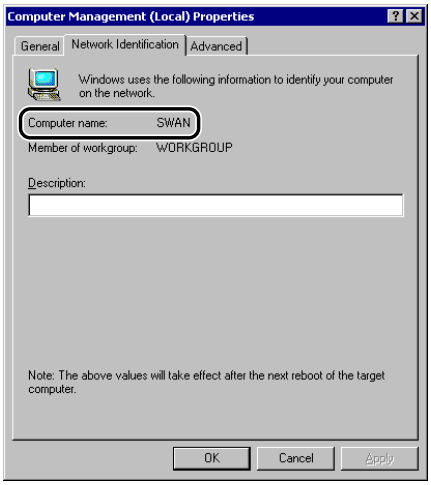


2 **Double-click [Internet Protocol (TCP/IP)] to open the [Internet Protocol (TCP/IP) Properties] dialog box.**

3 **On the [General] sheet, click [Advanced] → on the [WINS] sheet, click [Enable NetBIOS over TCP/IP].**

4 **Restart the computer if prompted.**

5 **Confirm the computer name.**



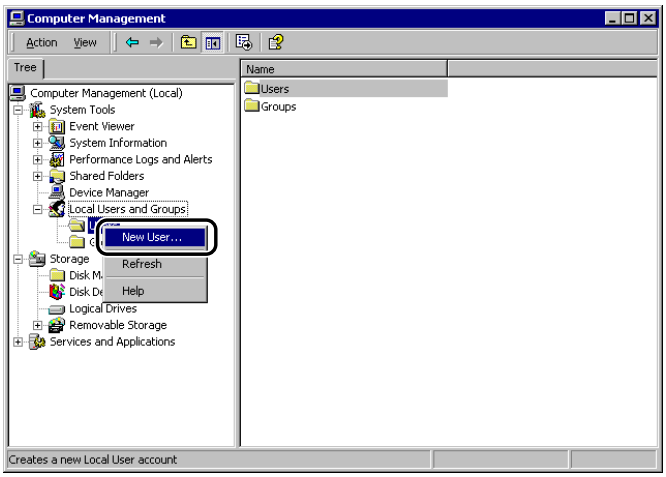
If you are using Windows 2000, right-click the [My Computer] icon → click [Manage] to open the [Computer Management] window. Right-click the [Computer Management (Local)] icon → click [Properties] to open the [Computer Management (Local) Properties] dialog box. On the [Network Identification] sheet, confirm the [Computer name] setting.

If you are using Windows XP/Server 2003, right-click [My Computer] → click [Properties] → on the [Computer Name] sheet, click [Change]. In the [Computer Name Changes] dialog box, click [More] to open the [DNS Suffix and NetBIOS Computer Name] dialog box → confirm [NetBIOS computer name].

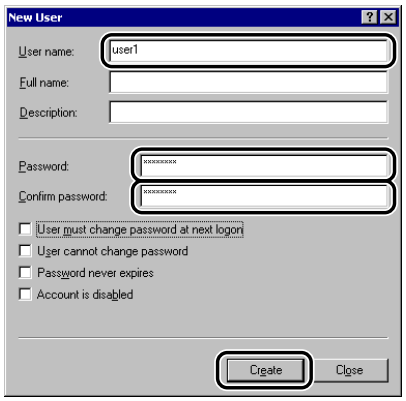
If you are using Windows Server 2008, select [Computer] → [Property] → click [Computer name, domain, and workgroup settings] → [Change settings]. In the [System Properties] dialog box, on the [Computer Name] page, click [Change]. In the [Computer Name/Domain Changes] dialog box, click [More] → confirm [NetBIOS computer name] in the displayed dialog box.

If you are using Windows Vista, perform the same operation as with other operating systems to open the [DNS Suffix and NetBIOS Computer Name] dialog box → confirm the name in [NetBIOS computer name].

6 **Right-click the [My Computer] icon → click [Manage] to open the [Computer Management] window → under [System Tools], in [Local Users and Groups], from the [Users] folder, click [New User].**



7 In the [New User] dialog box, enter the user name in [User name] → enter the password in [Password] → re-enter the password in [Confirm Password] → click [Create].



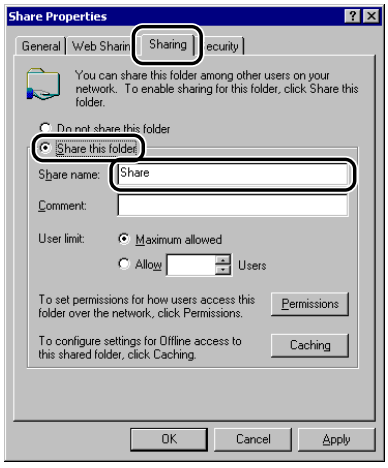
Enter a user name not longer than 20 alphanumeric characters, and a password not longer than 14 alphanumeric characters.

If [User must change password at next logon] is selected, any new users added must change their passwords in order to send data from the machine. (You cannot change the password from the control panel.)

NOTE

- In an Active Directory environment, the procedures for setting up users differ from the above. For details, see the Windows manual.
- When a computer that one or more users log on to is restricted by the administrator in an Active Directory environment, the name of the computer must be registered in the Active Directory. Set the computer name in the user account properties dialog box to "CANON + the last 8 digits of the MAC address of the computer + 00". For example, if the MAC address of the computer you are using is "00:00:11:22:33:44", set "CANON1122334400".

8 Open the properties dialog box of the folder you want to share → on the [Sharing] sheet, click [Share this folder] → enter the share name in [Share name].

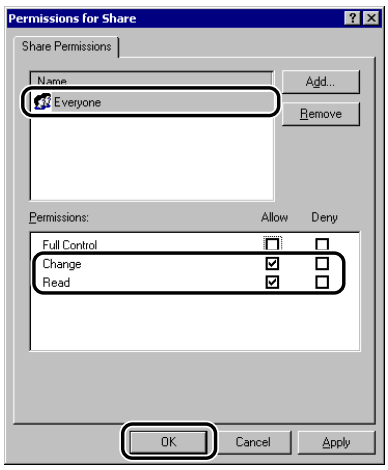


9 Set permissions.

● To create a shared folder on a FAT or FAT32 format disk (If the [Security] tab is not displayed):

☐ Click [Permissions] to display the dialog box.

Select or add the users or groups to whom you want to give access to the shared folder → under [Permissions], select both [Change] and [Read].



● To create a shared folder on an NTFS format disk:

☐ Display the [Security] sheet.

☐ Select or add the users or groups to whom you want to give access to the shared folder → under [Permissions], select both [Write] and [Read & Execute], or a higher access authority. For data in the folder, check both [Write] and [Read], or a higher access authority.

NOTE

- To display the [Security] tab in Windows XP, open Folder Options → deselect [Use simple file sharing]. However, you can share folders and files with [Use simple file sharing] selected. Select or deselect [Use simple file sharing] to suit your environment. For more information, see the manual provided with Windows XP.
- In the Active Directory environment, the procedures for specifying the security settings of the shared folder differ from above. For more information, see the Windows manual.

10 Set a recipient address using the control panel.

There are three methods for specifying the recipient address; selecting the desired address from the list that appears when you press [Browse], searching for the address by pressing [Search Host], or entering the address using the keyboard on the touch panel display.

Sample recipient setting:

- Server side settings (set and confirmed in the above step.):

  [Computer name]/[NetBIOS computer name]: swan

  [Share Name]: share

  Create a folder called 'Images' within share, and then specify Images as the recipient for sending.

- The machine's Recipient Settings:

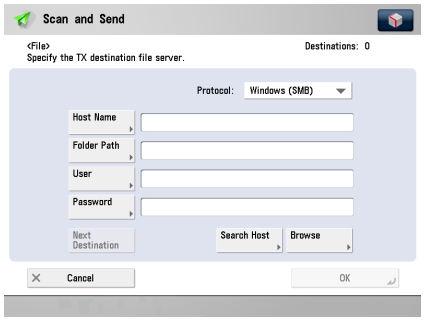
  <Protocol>: Windows (SMB)

  [Host Name]: \\swan\share (Shared folder path)

  [Folder Path]: \Images

  [User]: User name entered in the above step.

  [Password]: Password for the above user.



IMPORTANT

- If you want to use [Browse] to specify each item, make sure you press [Browse] after the expiration of the time specified in see "Startup Time Settings," on p. 4-24.
- Up to 128 alphanumeric characters can be entered for [Host Name] on the control panel. Also, up to 255 alphanumeric characters can be entered for [Folder Path].
- If you change the language of the touch panel display, [Host Name] and [Folder Path] may not be displayed correctly, or you may not be able to browse the directories.
- If the language of the touch panel display differs from the computer used as a master browser, [Host Name] and [Folder Path] may not be displayed correctly, or you may not be able to browse the directories.

NOTE

- You can send data using the following formats. A DNS server is required for the latter case:
  \\192.168.2.100\share
  \\host_name.organization.company.com\share
- You can also specify the user name in the address using the following formats:
  - domain_name\user_name (up to 15 alphanumeric characters for the domain name, and up to 20 for the user name)
    If you specify the user name in this format, the user authority for the specified domain is applied to SMB communication.
  - user_name@organization.company.com (up to 128 characters in total)
    Note that the latter is only applicable when sending to a Windows 2000/XP/Server 2003/Server 2008/Vista computer that belongs to a domain containing Windows 2000/XP/Server 2003/Server 2008/Vista domain controllers.

Samba (UNIX/Linux/Mac OS X 10.3/10.4)

Samba 2.2.8a or later is supported.

In some environments, detailed settings may be required in order to use the Samba. For details, consult the administrator for the network you are using.

1 Set up the users who access the Samba shared folder, and their passwords.

Set a user name not longer than 20 alphanumeric characters, and a password not longer than 14 alphanumeric characters.

● UNIX/Linux:

☐ Log in to a workstation as a superuser, and set the user name and password.

● Mac OS X 10.3/10.4:

☐ See the documentation provided with your Macintosh to set the user name and password.

2 Set a recipient address using the control panel.

There are three methods for specifying the recipient address; selecting the desired address from the list that appears when you press [Browse], searching for the address by pressing [Host Search], or entering the address using the keyboard on the touch panel display.

Sample recipient setting:

- Server side settings:

  Computer name: swan

  Share name: share

  Create a folder called 'Images' within share, and then specify Images as the recipient for sending.

- The machine's recipient settings:

  <Protocol>: Windows (SMB)

  [Host Name]: \\swan\share (Shared folder path)

  [Folder Path]: \Images

  [User]: User name entered in the above step.

  [Password]: Password for the above user.

For a sample screen, see the example of Windows 2000/XP/Server 2003/Server 2008/Vista screen (see p. 6-6).

IMPORTANT

- If you use [Browse] to specify each item, press [Browse] after the expiration of the time specified in "Startup Time Settings," on p. 4-24.
- Up to 128 alphanumeric characters can be entered for [Host Name] on the control panel. Also, up to 255 alphanumeric characters can be entered for [Folder Path].
- If you change the language of the touch panel display, [Host Name] and [Folder Path] may not be displayed correctly, or you may not be able to browse the directories.
- If the language of the touch panel display differs from the computer used as a master browser, [Host name] and [Folder path] may not be displayed correctly, or you may not be able to browse the directories.

NOTE

- You can send data using the following formats. A DNS server is required for the latter case.
  \\192.168.2.100\share
  \\host_name.organization.company.com\share
- You can also specify the user name in the address using the following format.
  - domain_name\user_name (up to 15 alphanumeric characters for the domain name, and up to 20 for the user name)
    If you specify the user name in this format, the user authority for the specified domain is applied to SMB communication.

Using an AppleTalk Network (Macintosh)

7
CHAPTER

This chapter describes settings and procedures for printing via an AppleTalk network.

AppleTalk Network Setup Procedures 7-2
Protocol Settings 7-3

AppleTalk Network Setup Procedures

To print via an AppleTalk network, it is necessary to perform the following procedures.

1 **Macintosh Network Settings**

To specify AppleTalk network settings, enable AppleTalk according to the instructions in the documentation provided with your Macintosh.

2 **Protocol Settings (See "Protocol Settings," on p. 7-3.)**

Specify the protocol settings. To specify the settings, use:

- The machine's control panel
- The Remote UI (via a web browser)
- Canon utilities

3 **Macintosh Print Settings (See e-Manual > Network)**

Specify the settings for each computer you use for printing.

IMPORTANT

- Depending on the machine you are using, you may have to use optional equipment to print via an AppleTalk network. For the equipment needed, see "Optional Equipment and System Requirements for Connecting to a Network," on p. 2-2.
- It is recommended that you consult the administrator for the network you are using when performing steps 2 above.
- If you are using the imagePASS, the ColorPASS, or the PS-GX, see the manual provided with the imagePASS, the ColorPASS, or the PS-GX.
- If you are using the imagePASS, the ColorPASS, or the PS-GX, some functions are not available with this machine. For details, see the manual provided with the imagePASS, the ColorPASS, or the PS-GX.

Protocol Settings

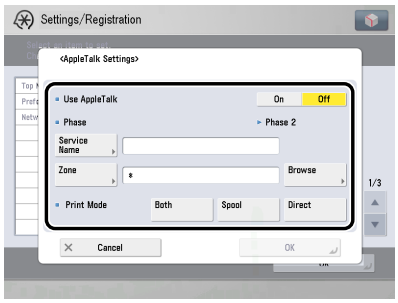
This section describes how to specify the protocol settings for the machine using the control panel. If you are configuring the settings for the first time, use the control panel of the machine.

After configuring the settings, you can change them using software other than the control panel of the machine. For details, see e-Manual > Settings/Registration.

IMPORTANT

Depending on the machine you are using, you may have to use optional equipment to print via an AppleTalk network. For the equipment needed, see "Optional Equipment and System Requirements for Connecting to a Network," on p. 2-2.

1 On the Network screen, press [AppleTalk Settings] → specify the following.



[On] for <Use AppleTalk>: You can use the AppleTalk network.

In [Service Name], enter a name for the printer not longer than 32 characters.
The name you enter here appears on the Macintosh screen.

If you are using a network that is set up in zones, enter the name of the zone in [Zone].

If you want to use the PS printer driver with the PS Printer Kit, set whether to apply spooling to the print job.

[Spool]: The machine specified in [Service Name] prints only after spooling the print job to the hard disk.
If you entered "Printer1" for [Service Name] and select [Spool] for <Print Mode>, "Printer1_S" is displayed on the Macintosh printer screen.

[Direct]: The machine specified in [Service Name] prints without spooling the print job to the hard disk.
If you entered "Printer2" for [Service Name] and select [Direct] for <Print Mode>, "Printer2_D" is displayed on the Macintosh printer screen.

[Both]: The machine specified in [Service Name] prints either with or without spooling the print job to the hard disk.
If you entered "Printer3" for [Service Name] and select [Both] for <Print Mode>, "Printer3_S" and "Printer3_D" are displayed on the Macintosh printer screen, enabling you to select whether to spool a print job on the Macintosh screen whenever you perform printing.

IMPORTANT

- If you set <AppleTalk> to 'On', the machine will not enter a complete Sleep mode.
- If there is more than one printer in the same zone, each printer must have a unique name.
- You can also enter a zone name by pressing [Browse] and selecting the appropriate name from the displayed list.

Managing the Machine from a Computer

8

CHAPTER

This section describes the system requirements and preparations required for starting the Remote UI and SMS, which are used to manage the machine from a computer.

System Requirements for Using the Remote UI 8-2

Before You Start the Remote UI 8-3

Enabling the Remote UI 8-4

System Requirements for Using SMS 8-5

Before Starting SMS (Preparations) 8-6

Specifying the SSL Settings 8-6

Enabling the Machine to be Accessed from Web Browsers 8-7

System Requirements for Using the Remote UI

The system requirements for the Remote UI are as follows:

Windows

Operating System Software	Web Browsers
Microsoft Windows 2000 Professional Microsoft Windows XP Microsoft Windows Vista Microsoft Windows 7	Microsoft Internet Explorer 6, or later

Macintosh

Operating System Software	Web Browsers
Mac OS 10.3, or later	Safari 1.3.2, or later

IMPORTANT

- Available browsers may be limited depending on the login services for the MEAP function you are using. For instructions on how to use the login services, see e-Manual > MEAP.
- The appearance of the Remote UI screens may vary, depending on the type and version of the Web browser that you are using.
- This machine is compliant with IPv6 addresses. To access IPv6 addresses, your environment must be compliant with IPv6.

NOTE

Apart from those mentioned above, no other software, such as a web server, is necessary. (There already is a web server inside the machine.)

Before You Start the Remote UI

Before starting the Remote UI, an administrator must perform the following:

Specify the Network Settings

Specify the settings under [Network] in [Preference] (Settings/Registration) and find out the machine's IP address. (See "Protocol Settings," on p. 4-3.)

Enable the Remote UI

Set [Remote UI] in [Management Settings] (Settings/Registration) to 'On'. It is also recommended that [Device Information Settings] in [Device Management] (Settings/Registration) is configured.

IMPORTANT

- Connection via a proxy server is not possible. If your system environment has a proxy server, perform the following setting. (Settings vary according to the system environment, consult the administrator for the network you are using.)
  - Enter the IP address of the machine into Exceptions in the web browser proxy server settings.
- You must set your web browser to enable all cookies and use JavaScript. Otherwise, you will not be able to change the machine's settings using the Remote UI.
- If the control panel of the machine is being used for a particular operation and if you use the same operation on the Remote UI, the last setting is activated.
- If multiple Remote UIs are running simultaneously, the latest setting that was made is enabled. It is recommended that only one Remote UI be running at a time.
- To enter characters from a web browser, use the characters that you can enter from the touch panel display of the machine. If you use the other characters, they may not be displayed/recognized properly on the machine.

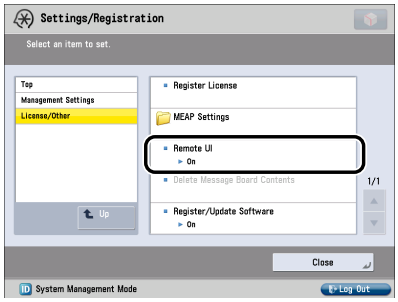
Enabling the Remote UI

You must use the machine's control panel to enable the Remote UI.

NOTE

By setting [Remote UI] to 'On', you can open a necessary port. However, it is recommended that it is set to 'Off', if a port is not used. If you leave the port open, an unauthorized user may access the machine.

1 **Press (Settings/Registration)→ [Management Settings] → [License/Other] → [Remote UI].**



2 **Select [On] → select whether to use SSL.**

Select [Off] to disable the Remote UI.

<Use SSL>:

[On]: Allows secured transmission using SSL.
[Off]: Prohibits secured transmission using SSL.

<Use Reference Print >:

[On]: Allows printing by entering its URL.
[Off]: Prohibits printing by entering its URL

NOTE

Any changes made to <Use SSL> are also applied to <SSL Settings> in <Use HTTP> in [MEAP Settings] in [Management Settings] (Settings/Registration).

3 **Press [OK].**

The selected mode is set.

4 **Turn the main power of the machine OFF, wait 10 seconds, and then turn the power ON.**

NOTE

The [Remote UI] setting is made effective only after turning the machine's main power OFF, and then ON. For information on how to turn ON and OFF the main power of the machine, see Chapter 1, "Before You Start Using This Machine."

System Requirements for Using SMS

SMS can be used in the following system environments:

■ Operating System/Web Browsers

Operating System Software	Web Browsers
Windows 2000 Professional SP4	Internet Explorer 6 SP1
Windows XP Professional SP3	Internet Explorer 7
Windows Vista SP2	Internet Explorer 8
Windows 7	Internet Explorer 8
Mac OS X 10.3	Safari 1.3.2
Mac OS X 10.4	Safari 2.0.4
Mac OS X 10.5	Safari 3.1.2
Mac OS X 10.6	Safari 4.0.3

IMPORTANT

Your browser requires the following settings:
- JavaScript should be enabled.
- Cookies should be enabled for each session.

NOTE

No web server or software other than that described above is required (a web server is included in the supported machine).

Before Starting SMS (Preparations)

Before logging in to the SMS, an administrator must start the machine and perform the following procedure:

■ Specify the Network Settings

Specify the settings under [Network] in [Preferences] (Settings/Registration) and find out the machine's IP address.
(See "Protocol Settings," on p. 4-3.)

■ Specify the SSL Settings

Set [SSL Settings] to 'On' in [MEAP Settings] in [License/Other] in [Management Settings] (Settings/Registration). If it is not set to 'On', you cannot log in to SMS.

■ Enable Access to the Machine from the Web Browser

Set [Use HTTP] to 'On' in [TCP/IP Settings] in [Network] in Preferences (Settings/Registration). If it is not set to 'On', you cannot access the machine from the Web browser.

IMPORTANT

- You cannot connect to the machine via a proxy server. Specify the following settings if you are working in an environment using a proxy server (as these settings differ depending on the network environment, consult the administrator for the network you are using.).
  - In the proxy server settings of your web browser, add the IP address of the machine to the [Exceptions] (addresses that do not use a proxy) list.
- You cannot use SMS if your web browser is not set to enable cookies and JavaScript.
- When entering characters from your web browser, use characters that can be entered from the touch panel display of the machine. Otherwise, the characters may not be displayed or recognized correctly on the touch panel display.

Specifying the SSL Settings

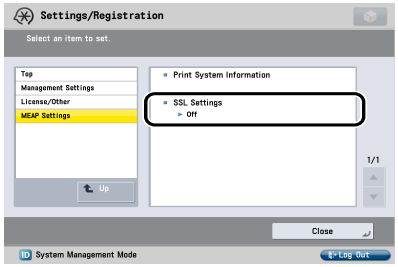
To use SMS, it is necessary to use SSL communication.

NOTE

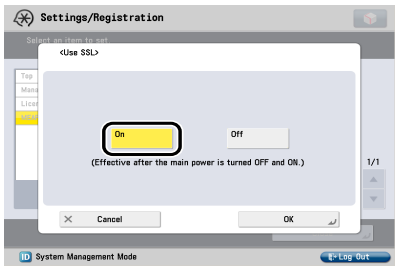
The default setting is 'Off'.

1 **Press (Settings/Registration)→ [Management Settings].**

2 **Press [License/Other] → [MEAP Settings] → [SSL Settings].**



3 Press [On].



[On]: SSL communication is used.

[Off]: SSL communication is not used.

NOTE

- The settings for [SSL Settings] are also applied to the settings for <Use SSL> in [Remote UI] in [Management Settings] (Settings/Registration).
- To set [SSL Settings] to 'On', it is necessary to set the key pair and server certificate required for performing encrypted SSL communications in [Certificate Settings] in [Management Settings] (Settings/Registration). For information on generating the key for SSL, see e-Manual > Security.

4 Press [OK].

The selected mode is set.

5 Turn the main power of the machine OFF, wait 10 seconds, and then turn the power ON.

NOTE

The [SSL Settings] setting is activated only after you restart the machine (the main power switch is turned OFF, and then back ON). For information on how to turn ON and OFF the main power of the machine, see Chapter 1, "Before You Start Using This Machine."

Enabling the Machine to be Accessed from Web Browsers

Use to access the machine from a Web browser to use the MEAP function.

IMPORTANT

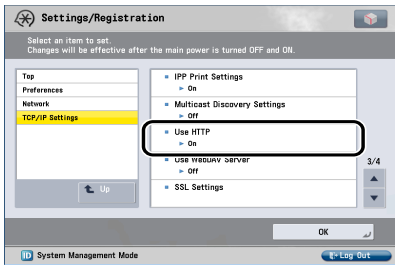
By setting [Use HTTP] to 'On', you can open a necessary port. However, it is recommended that it is set to 'Off', if a port is not used. If you leave the port open, an unauthorized user may access the machine.

NOTE

- The default setting is 'On'.
- To specify the Management Settings (Settings/Registration), you must log in by entering the System Manager ID and System Password.

1 Press (Settings/Registration) → [Preferences].

2 Press [Network] → [TCP/IP Settings] → [Use HTTP].



3 Press [On].

[On]: HTTP server is used.

[Off]: HTTP server is not used.

4 Press [OK].

The selected mode is set.

5 Turn the main power of the machine OFF, wait 10 seconds, and then turn the power ON.

NOTE

For information on how to turn ON and OFF the main power of the machine, see Chapter 1, "Before You Start Using This Machine."

Installing the System Options/MEAP Applications

9

CHAPTER

This chapter describes how to install the system options and MEAP applications.

Overview 9-2
To Install by Connecting This Machine to an Outside Network 9-2
To Install by Not Connecting This Machine to an Outside Network 9-3
Using the System Options/MEAP Applications That Require License Registration 9-4
System Options/MEAP Applications 9-4
Installing the System Options/MEAP Applications 9-5
Installing by Connecting this Machine to an Outside Network 9-6
Using the Touch Panel Display to Install (Delivery) 9-6
Using the Remote UI to Install (Delivery) 9-8
Installing by Not Connecting this Machine to an Outside Network 9-11
Obtaining the License Key/License File 9-11
Installing the System Options Using the Touch Panel Display 9-12
Installing the System Options Using the Remote UI (Manual) 9-13
Installing the MEAP Applications Using the Remote UI (Manual) 9-14
Starting the MEAP Applications 9-16
Downloading the Manuals and Related Software 9-18

Overview

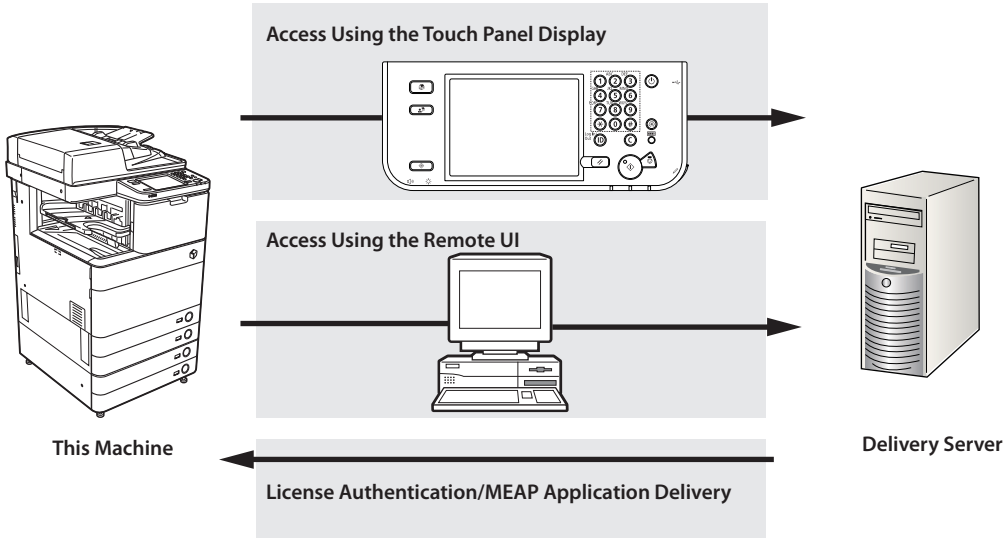
Using the "Register/Update Software" function, you can install the System Options/MEAP Applications to the machine. You can use this function from both the touch panel display and the computer (Remote UI).

NOTE

- Multiple users cannot use the "Register/Update Software" function from the Remote UI at the same time.
- If another user is logged in to SMS (Service Management Service), you cannot use the "Register/Update Software" function from the Remote UI.
- If the following procedure is performed, you cannot use the "Register/Update Software" function from the Remote UI for a specified time:
  - when Remote Login Service of the SMS is set and the Web browser was closed without pressing [Portal] or [Log Out]
  - when Remote Login Service of the SMS is not set and the Web browser was closed without pressing [Portal]
  - when the Web browser was closed without pressing [Log Out from SMS], [To Remote UI], or [Log out] of the SMS
- For more information on SMS, see e-Manual > MEAP.

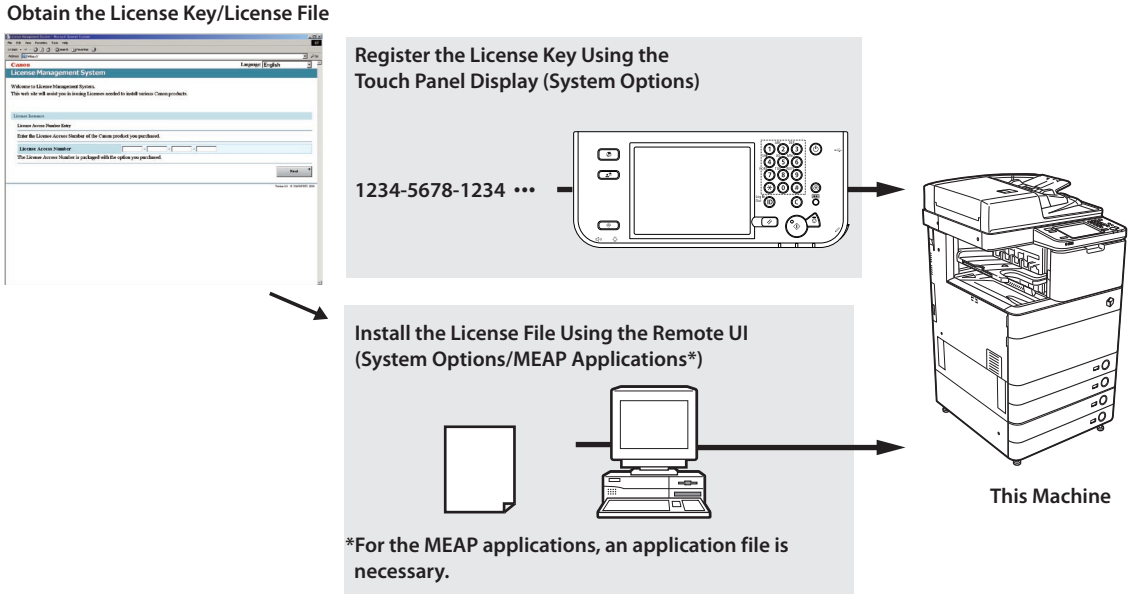
To Install by Connecting This Machine to an Outside Network

You can install the System Options/MEAP Applications by accessing the delivery server from this machine.



To Install by Not Connecting This Machine to an Outside Network

You can install the System Options/MEAP Applications by using the license file/license key that you obtained from the License Management System.



Using the System Options/MEAP Applications That Require License Registration

System Options/MEAP Applications

You can enhance the functions of the machine by installing various system options and MEAP applications.

System Options

The following are the system options you can install on this machine.

- PS Printer Kit
- PCL Printer Kit
- Direct Print Kit
- Barcode Printing Kit
- Remote Fax Kit
- Universal Send Advanced Feature Set
- Universal Send Security Feature Set
- Universal Send Digital User Signature Kit
- Encrypted Printing Software
- Secure Watermark
- Document Scan Lock Kit
- Data Erase Kit
- Web Access Software
- ACCESS MANAGEMENT SYSTEM KIT
- Remote Operator's Software Kit

MEAP Applications

To enhance the functions of the machine without using the above system options, install the MEAP applications.

NOTE

If you want to perform MEAP applications management such as the ones shown below, use SMS (Service Management Service).(See e-Manual > MEAP.)

- Checking the MEAP applications installed on this machine
- Checking the amount of space the MEAP applications are using on the hard disk
- Adding a license to an installed MEAP application

Installing the System Options/MEAP Applications

The procedures to install the system options or MEAP applications on the machine differ, depending on whether the machine is connected or not to an outside network. Select the procedure that matches your conditions using the references below.

NOTE

For instructions on connecting the machine to an outside network, see Chapter 4, "Using a TCP/IP Network."

To Install by Connecting this Machine to an Outside Network

Install using one of the following procedures.

NOTE

To check that the transmission with the delivery server is properly operating, if necessary, perform transmission test before installation.(See "Testing Communication Using the Touch Panel Display," on p. 11-3 and "Testing Communication Using the Remote UI," on p. 11-6.)

Procedure	Reference Page
Using the touch panel display to install	Using the Touch Panel Display to Install (Delivery) (p. 9-6)
Using the Remote UI to install	Using the Remote UI to Install (Delivery) (p. 9-8)

To Install by Not Connecting this Machine to an Outside Network

■ Installing System Options

Install using one of the following procedures.

NOTE

If you want to install multiple system options, we recommend to use the Remote UI.

Procedure	Necessary Steps	Reference Page
Using the touch panel display to install	1. Obtain the license key from the License Management System	Obtaining the License Key/License File (p. 9-11)
	2. Register the license key using the touch panel display	Installing the System Options Using the Touch Panel Display (p. 9-12)
Using the Remote UI to install	1. Obtain the license file from the License Management System	Obtaining the License Key/License File (p. 9-11)
	2. Install the license file using the Remote UI	Installing the System Options Using the Remote UI (Manual) (p. 9-13)

■ Installing MEAP Applications

Use the following procedure to install.

Procedure	Necessary Steps	Reference Page
Using the Remote UI to install	1. Obtain the license file from the License Management System	Obtaining the License Key/License File (p. 9-11)
	2. Install the license file and application file using the Remote UI	Installing the MEAP Applications Using the Remote UI (Manual) (p. 9-14)
	3. Start the MEAP applications from SMS	Starting the MEAP Applications (p. 9-16)

Installing by Connecting this Machine to an Outside Network

If the machine is connected to an outside network, you can install the system options and MEAP applications by linking with the delivery server.

NOTE

Make sure that the license access number that is included with the package is available.

Using the Touch Panel Display to Install (Delivery)

You can install the system options or MEAP applications to the machine using the touch panel display.

IMPORTANT

To perform the procedures described in this section, you must log in to the machine as an administrator. (See e-Manual > Remote UI.)

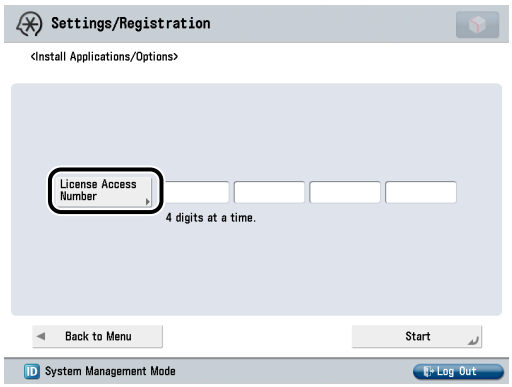
NOTE

- The maximum number of MEAP applications that can be installed is 19.
- The maximum amount of hard disk space allocated to install MEAP applications is 1GB.
- There may be other system requirements for installation, depending on the MEAP applications. For instructions on settings, see the manual provided with the MEAP application.

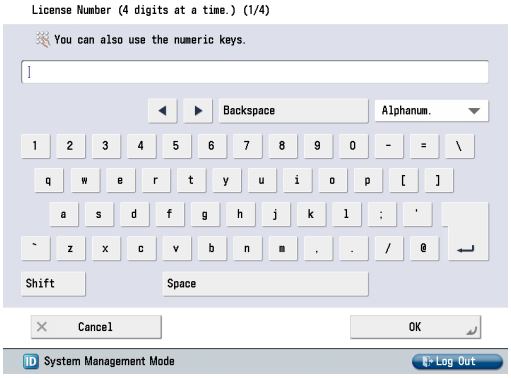
1 **Press (Settings/Registration)→ [Management Settings] → [License/Other] → [Register/Update Software].**

2 **Press [Install Applications/Options].**

3 **Press [License Access Number].**

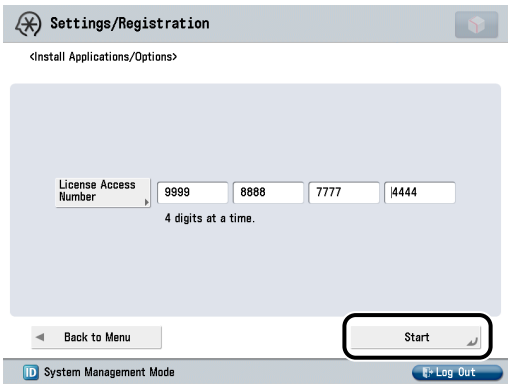


4 Enter the license access number four digits at a time.

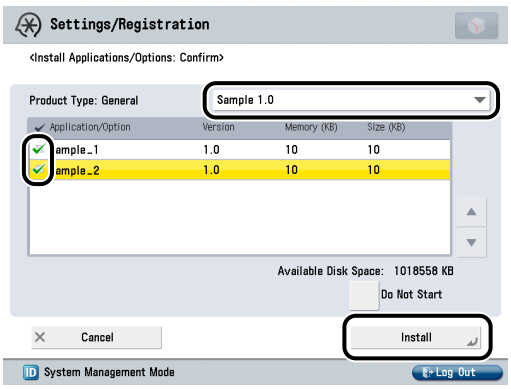


Enter four digits of the license access number → press [OK]. Repeat this step four times to enter a total of 16 digits for the license access number.

5 Press [Start].



6 Select the system options and MEAP applications → press [Install].



[Do Not Start]: Press to only install the MEAP application and not start the application.

IMPORTANT

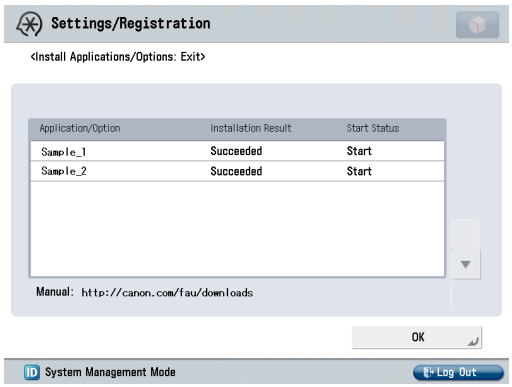
If [Do Not Start] is selected when installing MEAP applications, you must start the application before using the MEAP application. (See "Starting the MEAP Applications," on p. 9-16.)

NOTE

You can select multiple system options and MEAP applications, but you cannot select the same product with different version at the same time.

If the agreement screen is displayed, read the agreement. If you abide with the agreement, click [Accept].

7 Check the Installation Result screen.



When the installation of the system options is completed, the message <Enabled After Restart> appears on the <Installation Result>. Restart the machine to enable the function.

NOTE

You can download the manuals for the installed system options/MEAP applications from your computer by accessing the URL for the manual download site displayed on the Installation Result screen. (See "Downloading the Manuals and Related Software," on p. 9-18.)

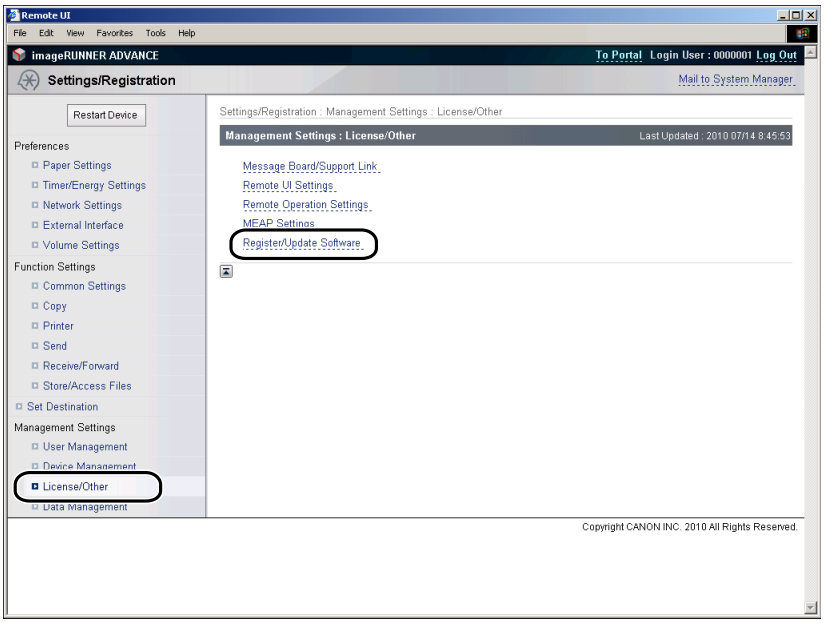
Using the Remote UI to Install (Delivery)

You can install the system options or MEAP applications to the machine using the Remote UI.

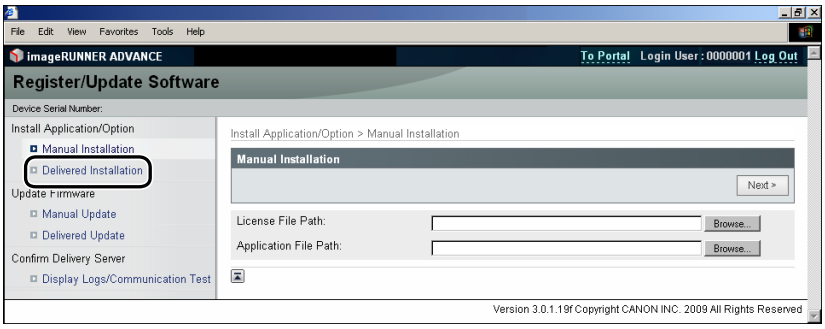
IMPORTANT

To perform the procedures described in this section, you must log in to the machine as an administrator. (See e-Manual > Remote UI.)

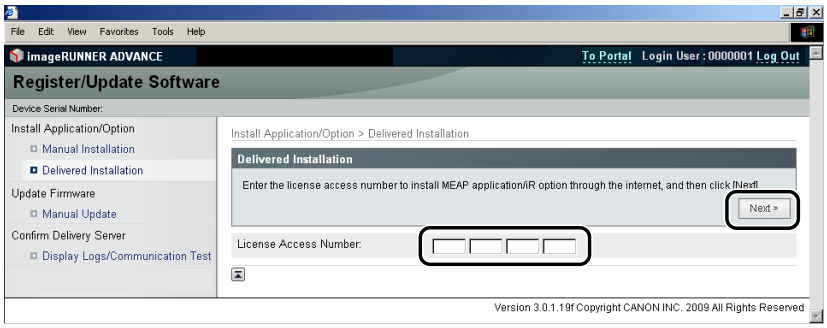
1 From the top page of the Remote UI, click [Settings/Registration] → [License/Other] → [Register/Update Software].



2 Click [Delivered Installation].



3 Enter the license access number → click [Next].

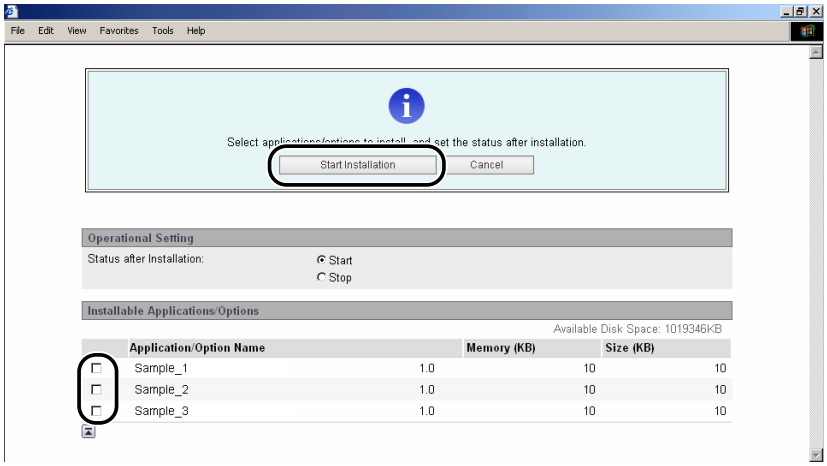


Once the license access number is confirmed after contacting the delivery server, information for the system options/MEAP applications you can install are displayed.

NOTE

If the license access number is incorrect, an error page is displayed.

4 Select the system options and MEAP applications → click [Start Installation].



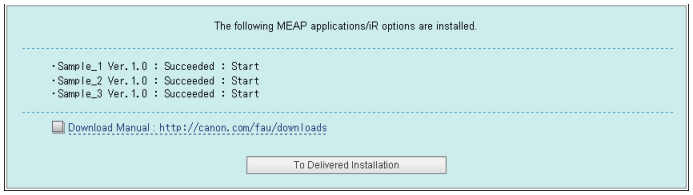
Status after Installation:
Start: Starts the installed MEAP applications.
Stop: Stops the installed MEAP applications.

IMPORTANT

If [Stop] is selected when installing MEAP applications, you must start the application before using the MEAP application. (See "Starting the MEAP Applications," on p. 9-16.)

If the agreement screen is displayed, read the agreement. If you abide with the agreement, click [Accept].

5 Check the Installation Result page.



When the installation of the system options is completed, the message <Restart the device.> appears. Restart the machine to enable the function.

To return to the delivery install page, click [To Delivered Installation].

NOTE

You can download the manual for the installed system options/MEAP applications by accessing the URL for the manual download site displayed on the Installation Result page. (See "Downloading the Manuals and Related Software," on p. 9-18.)

Installing by Not Connecting this Machine to an Outside Network

This section describes how to install the system options and MEAP applications without connecting the machine to an outside network.

Obtaining the License Key/License File

Obtain the license key or license file.

- License key: Obtain the license key when installing the system options using the touch panel display.
- License file: Obtain the license file when installing the system options/MEAP applications using the Remote UI.

NOTE

- Make sure that the license access number that is included with the package is available.
- If the license access number is not printed on the package of the MEAP application you are using, the license file is issued by the distributor of the MEAP application. You do not need to obtain the license key/license file explained in this section. For more information, see the manual for each MEAP application.

1 **Check the management number you need to obtain the license key or the license file.**

To obtain the license key or the license file, the following management number is required.

- License Access Number: Check the license access number certificate.
- Device Serial Number: Check and note the serial number which is displayed at the bottom left of the screen when you press [Counter Check] on the machine.

2 **Access http://www.canon.com/lms/license/.**

3 **Follow the instructions on the screen and obtain the license key/license file.**

If the license key is obtained, see "Installing the System Options Using the Touch Panel Display," on p. 9-12.

If the license file is obtained, see "Installing the System Options Using the Remote UI (Manual)," on p. 9-13 or "Installing the MEAP Applications Using the Remote UI (Manual)," on p. 9-14.

Installing the System Options Using the Touch Panel Display

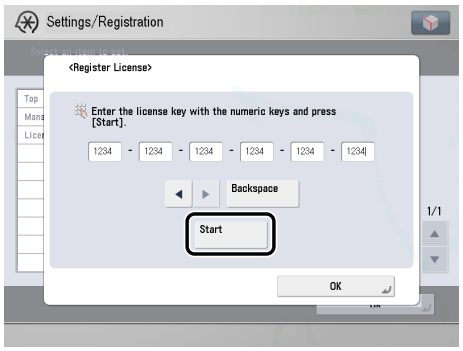
You can install the system options to the machine by registering the license key using the touch panel display.

IMPORTANT

To perform the procedures described in this section, you must log in to the machine as an administrator. (See e-Manual > Settings/Registration.)

1 **Press (Settings/Registration) → [Management Settings] → [License/Other] → [Register License].**

2 **Enter the license key using 0 - 9 (numeric keys) → press [Start].**



Details of each item are shown below.

[◀‖▶]:Press to move the cursor.

[Backspace]: Press when you entered a wrong number. The number in front of the cursor is deleted and you can reenter the correct number.

If the message <The value for the license key is not correct. Check the license key.> is displayed, press [OK] → enter the correct license key.

If the message <The feature required for installation is not present.> is displayed, you cannot register the license key. Press [OK] → cancel the registration.

3 **Press [OK].**

The registered functions can be used only after you restart the machine.

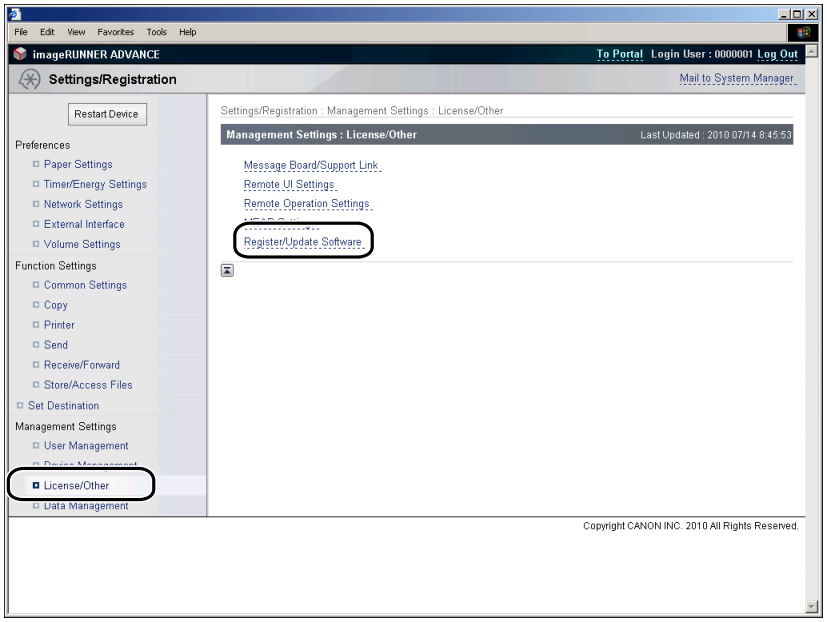
Installing the System Options Using the Remote UI (Manual)

You can install the system options to the machine using the Remote UI.

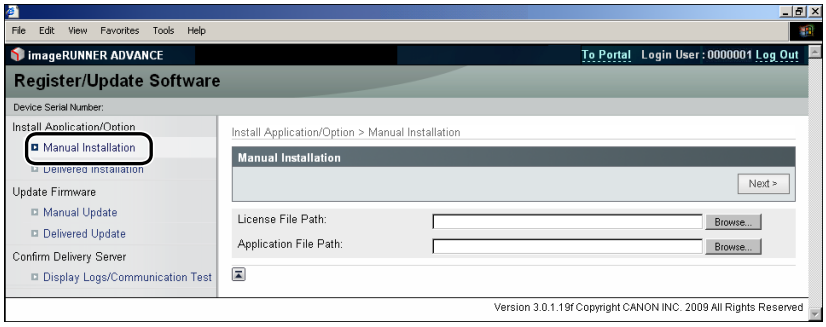
IMPORTANT

To perform the procedures described in this section, you must log in to the machine as an administrator. (See e-Manual > Remote UI.)

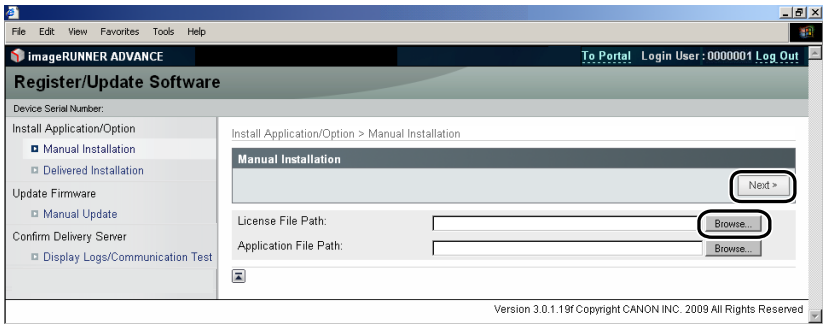
1 **From the top page of the Remote UI, click [Settings/Registration] → [License/Other] → [Register/Update Software].**



2 **Click [Manual Installation].**



3 Click [Browse] → select the license file to install → click [Next].



File extensions:

License file: File with ".lic" extension.

NOTE

- You do not have to use Application File Path.
- You can also specify the file path by entering it directly.

4 Check the contents that will be installed on the confirmation screen → click [Install].

Installing the MEAP Applications Using the Remote UI (Manual)

You can install the MEAP applications to the machine using the Remote UI.

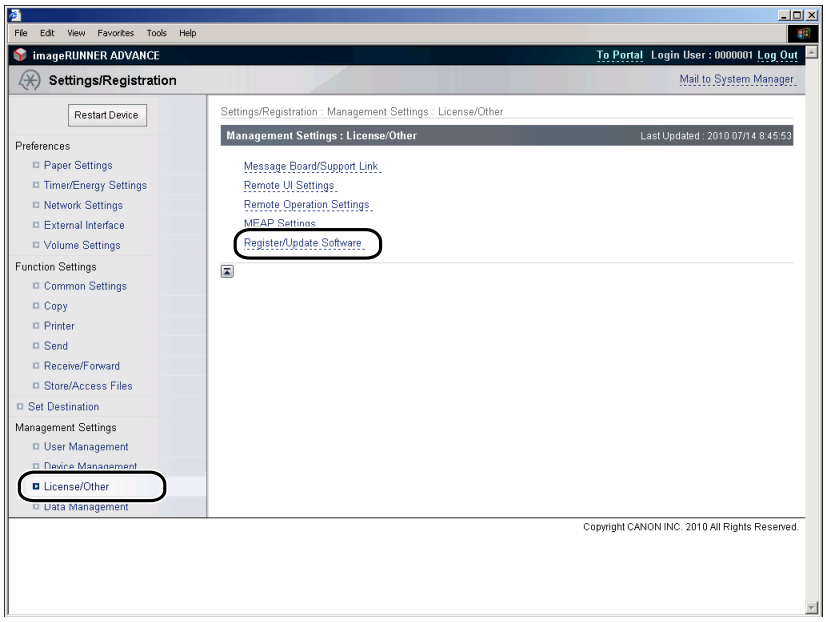
IMPORTANT

To perform the procedures described in this section, you must log in to the machine as an administrator. (See e-Manual > Remote UI.)

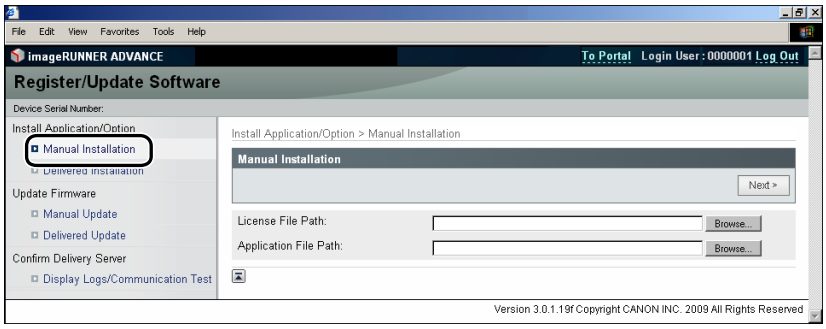
NOTE

- The maximum number of MEAP applications that can be installed is 19.
- The maximum amount of hard disk space allocated to install MEAP applications is 1GB.
- There may be other system requirements for installation, depending on the MEAP applications. For instructions on settings, see the manual provided with the MEAP application.

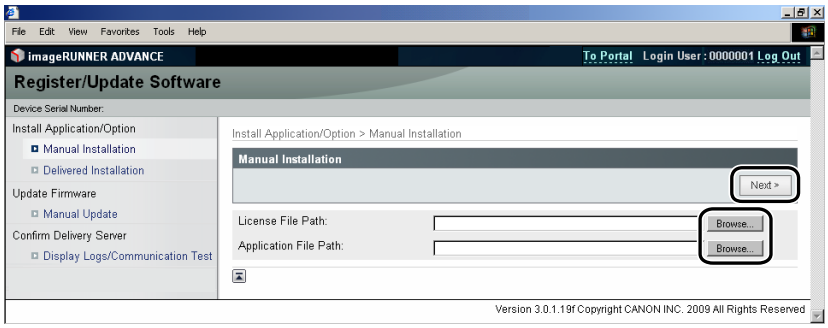
1 From the top page of the Remote UI, click [Settings/Registration] → [License/Other] → [Register/Update Software].



2 Click [Manual Installation].



3 Click [Browse] → select the license file and the application file to install → click [Next].



File extensions:

License File: A file with the 'lic' extension.

Application File:A file with the 'jar' extension.

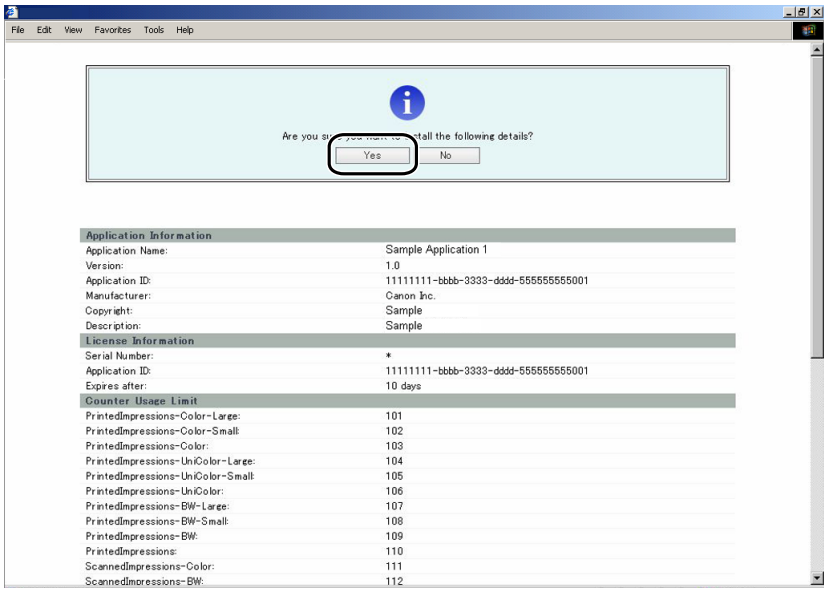
IMPORTANT

- You cannot install license files only.
- When installing the MEAP application, make sure you specify the license file. You cannot install the MEAP application without specifying the license file.

NOTE

You can also specify the file path by entering it directly.

4 Confirm the information displayed on the install confirmation page → click [Yes].



Depending on the MEAP application, a software license agreement screen may be displayed. Confirm the information displayed on the screen → click [OK].

If you are installing a new MEAP application, the following information is displayed on the screen.

- Application Information
- License Information

The following information is displayed when you overwrite a MEAP application.

- Current Application Information
- Application Information after Overwrite

Installation will start after the message <Installing... Please wait.> is displayed again. After the installation, click [To Manual Installation] to display the Manual Installation screen.

IMPORTANT

To use the installed MEAP application, you must start the MEAP application (See "Starting the MEAP Applications," on p. 9-16.).

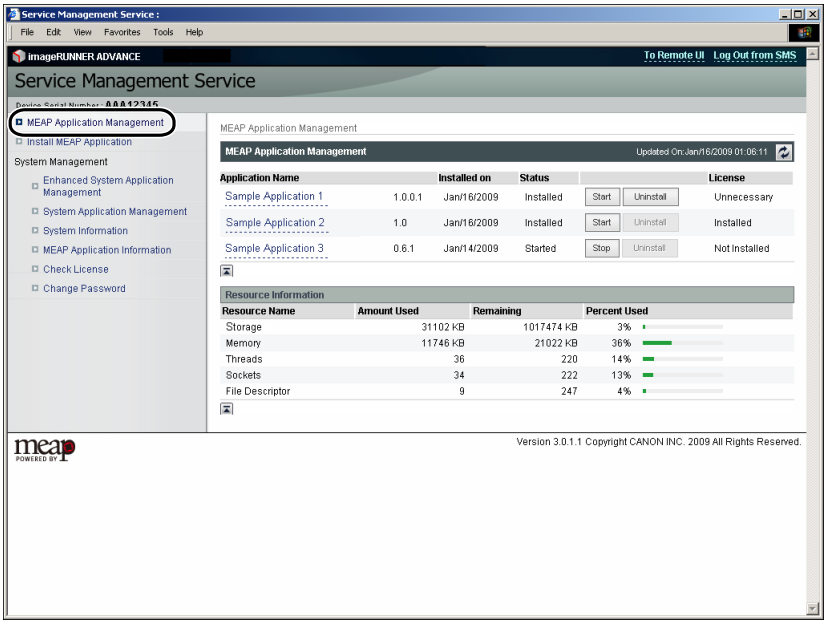
Starting the MEAP Applications

This section describes how to start the installed MEAP application from the SMS screen.

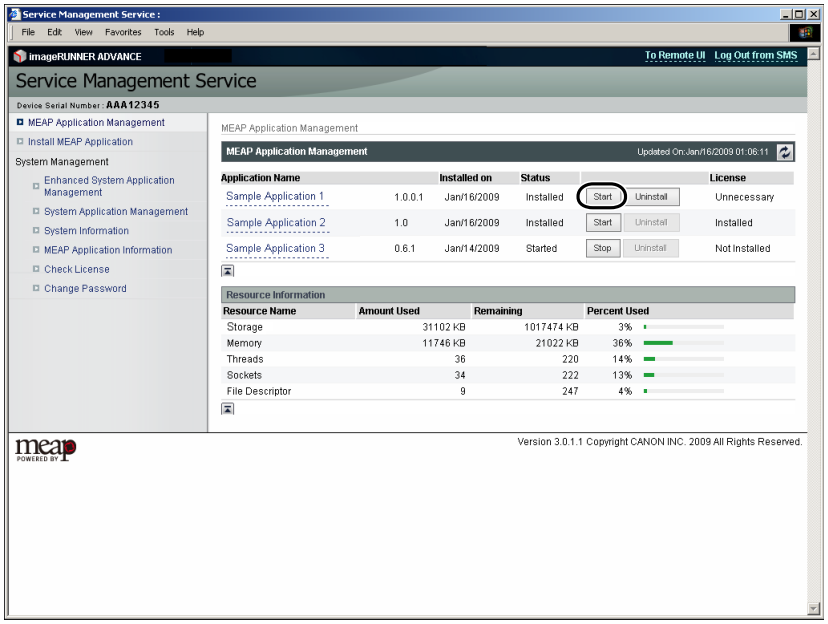
NOTE

For more information on SMS, see e-Manual > MEAP.

1 From the top page of the SMS, click [MEAP Application Management].



2 Select the application you want to start → click [Start].


Service Management Service :
File Edit View Favorites Tools Help
imageRUNNER ADVANCE
To Remote UI
Log Out from SMS
Service Management Service
Device Serial Number : AAA12345
MEAP Application Management
Install MEAP Application
System Management
Enhanced System Application Management
System Application Management
System Information
MEAP Application Information
Check License
Change Password
MEAP Application Management
MEAP Application Management
Updated On:Jan/16/2009 01:06:11
Application Name
Installed on
Status
License
Sample Application 1
1.0.0.1
Jan/16/2009
Installed
Start
Uninstall
Unnecessary
Sample Application 2
1.0
Jan/16/2009
Installed
Start
Uninstall
Installed
Sample Application 3
0.6.1
Jan/14/2009
Started
Stop
Uninstall
Not Installed
Resource Information
Resource Name
Amount Used
Remaining
Percent Used
Storage 31102 KB 1017474 KB 3%
Memory 11746 KB 21022 KB 36%
Threads 36 220 14%
Sockets 34 222 13%
File Descriptor 9 247 4%
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Downloading the Manuals and Related Software

You can download the manuals for the installed system options/MEAP applications and their related software from the following URL.

http://canon.com/fau/downloads

NOTE

- Make sure that the license access number that is included with the package is available.
- If you cannot find a manual to download, see the function descriptions in the e-Manual included with this machine.
- If you installed from the Remote UI, you can jump to the above URL from the link displayed on the installation result screen. If you do so, the license access number is entered automatically.

1 **Start the Web browser on your computer.**

2 **Enter the URL in [Address].**

3 **After entering the license access number, follow the instructions on the screen to download the manuals and related software.**

If software is downloaded, refer to the manual of that software to install.

Updating the Firmware

10
CHAPTER

This chapter describes how to update the firmware of the machine.

Overview 10-2
Using the Remote UI to Update (Manual). 10-3

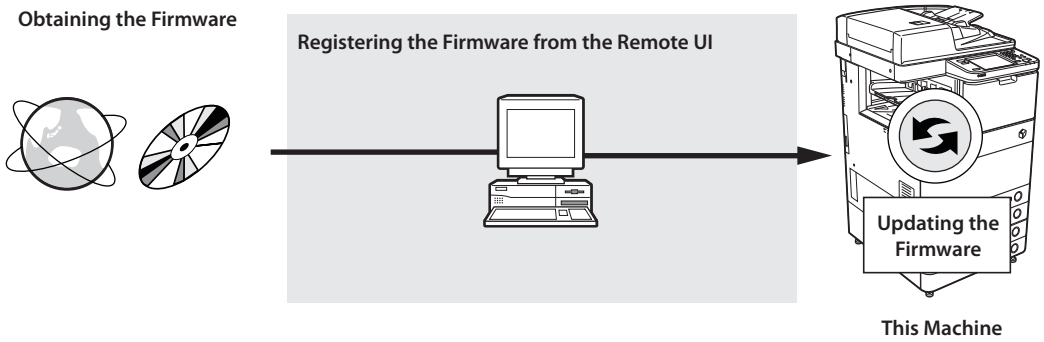
Overview

Using the "Register/Update Software" function, you can update the firmware of the machine to the most recent version. You can use this function from both the touch panel display and the computer (Remote UI).

NOTE

- Multiple users cannot use the "Register/Update Software" function from the Remote UI at the same time.
- If another user is logged in to SMS (Service Management Service), you cannot use the "Register/Update Software" function from the Remote UI.
- If the following procedure is performed, you cannot use the "Register/Update Software" function from the Remote UI for a specified time:
  - when Remote Login Service of the SMS is set and the Web browser was closed without pressing [Portal] or [Log Out]
  - when Remote Login Service of the SMS is not set and the Web browser was closed without pressing [Portal]
  - when the Web browser was closed without pressing [Log Out from SMS], [To Remote UI], or [Log out] of the SMS
- For more information on SMS, see e-Manual > MEAP.

You can update the firmware using the data that is distributed separately from the machine.



Using the Remote UI to Update (Manual)

You can update the firmware from the Remote UI that is connected to the machine.

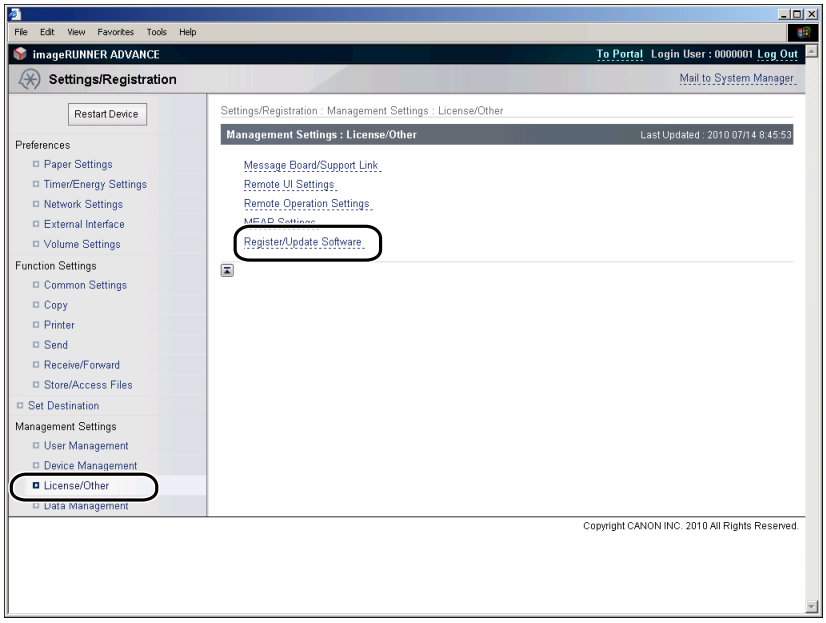
IMPORTANT

To perform the procedures described in this section, you must log in to the machine as an administrator. (See e-Manual > Remote UI.)

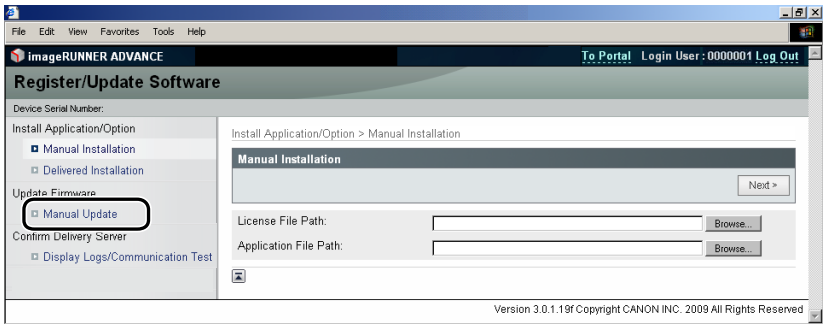
NOTE

To perform the procedures described in this section, the data of the firmware that is distributed separately from the machine is necessary.

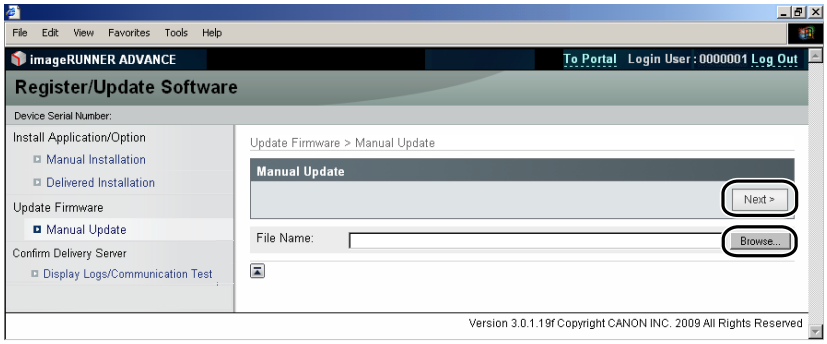
1 **From the top page of the Remote UI, click [Settings/Registration] → [License/Other] → [Register/Update Software].**



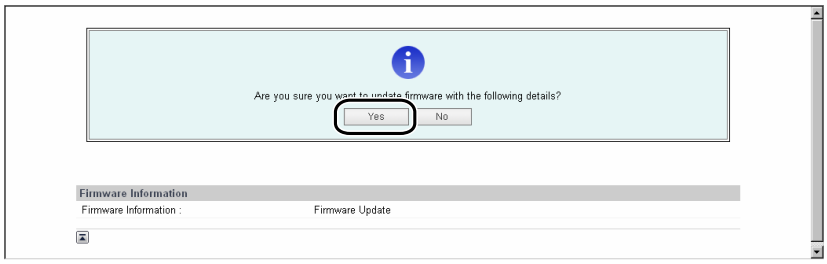
2 **Click [Manual Update].**



3 Click [Browse] → select the firmware to update → click [Next].



4 Check the contents that will be updated on the confirmation screen → click [Yes].



The new firmware is applied to the machine. When the message <The firmware is updated. Restart the device.> appears, restart the machine.

Managing the "Register/Update Software" Function

11
CHAPTER

This chapter describes how to manage the "Register/Update Software" function when the machine is used with an outside network connected.

Managing by Using the Touch Panel Display 11-2
Displaying the Installation Log Using the Touch Panel Display 11-2
Testing Communication Using the Touch Panel Display 11-3
Managing by Using the Remote UI 11-5
Displaying the Installation Log Using the Remote UI 11-5
Testing Communication Using the Remote UI 11-6

Managing by Using the Touch Panel Display

You can display the installation logs and test communication using the touch panel display.

IMPORTANT

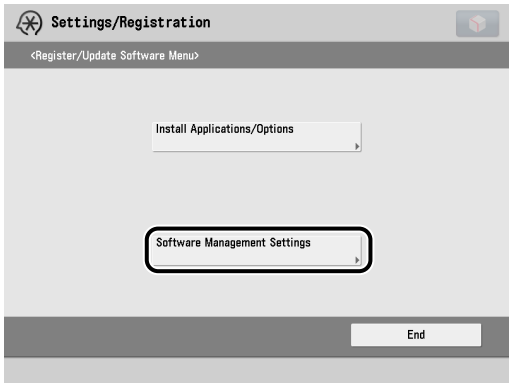
To perform the procedures described in this section, you must log in to the machine as an administrator. (See e-Manual > Settings/Registration.)

Displaying the Installation Log Using the Touch Panel Display

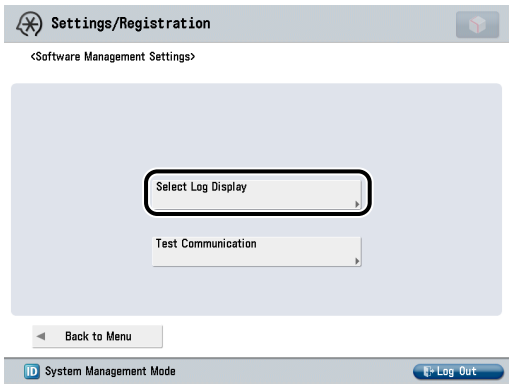
You can check the installation logs of the system options and MEAP applications.

1 **Press (Settings/Registration) → [Management Settings] → [License/Other]→ [Register/Update Software].**

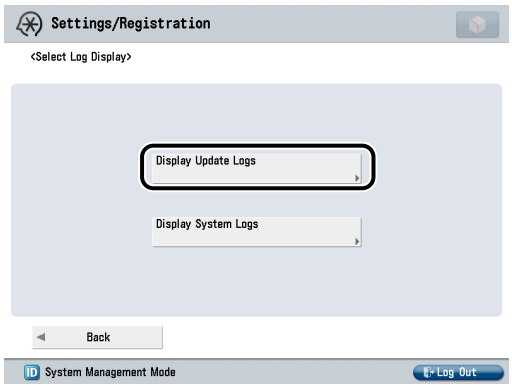
2 **Press [Software Management Settings].**



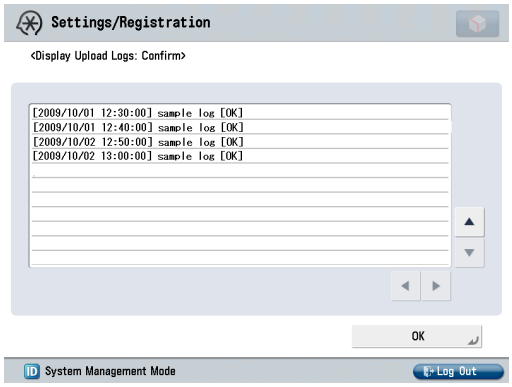
3 **Press [Select Log Display].**



4 Press [Display Update Logs].



The installation logs of the system options and MEAP applications are displayed.



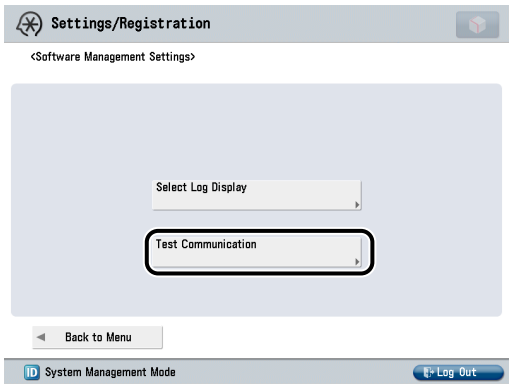
Testing Communication Using the Touch Panel Display

You can check whether the machine can properly communicate with the delivery server.

1 Press (Settings/Registration) → [Management Settings] → [License/Other] → [Register/Update Software].

2 Press [Software Management Settings].

3 Press [Test Communication].



4 Press [Yes].

Contents for the test are downloaded from the delivery server.

When the communication test is completed, the communication test result screen is displayed.

NOTE

If 'Failed' is displayed on the communication test result screen, check that the network cable is connected and that the network settings are correct.If the problem is not resolved, contact your local authorized Canon dealer.

Managing by Using the Remote UI

You can display the installation logs and test communication using the Remote UI.

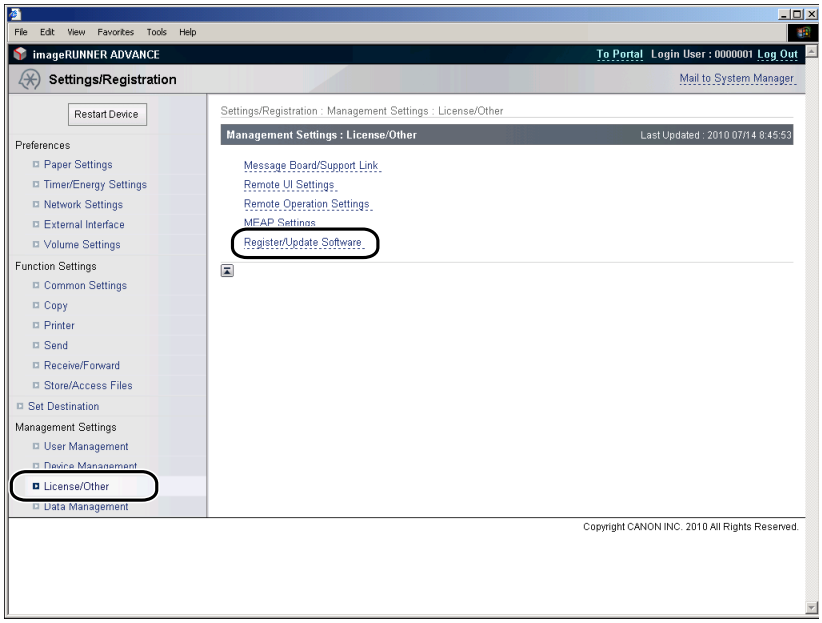
IMPORTANT

To perform the procedures described in this section, you must log in to the machine as an administrator. (See e-Manual > Remote UI.)

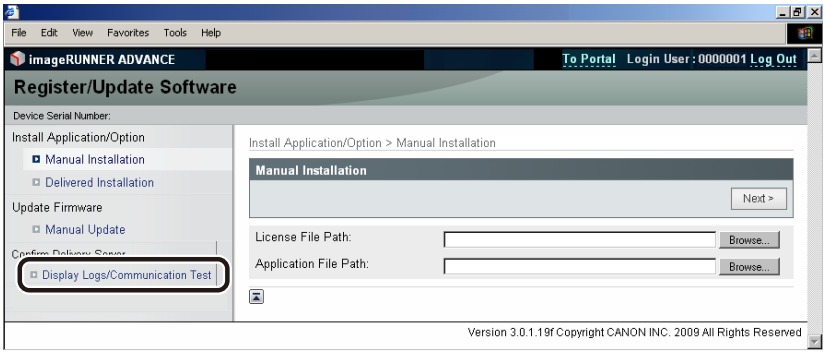
Displaying the Installation Log Using the Remote UI

You can check the installation logs of the system options and MEAP applications.

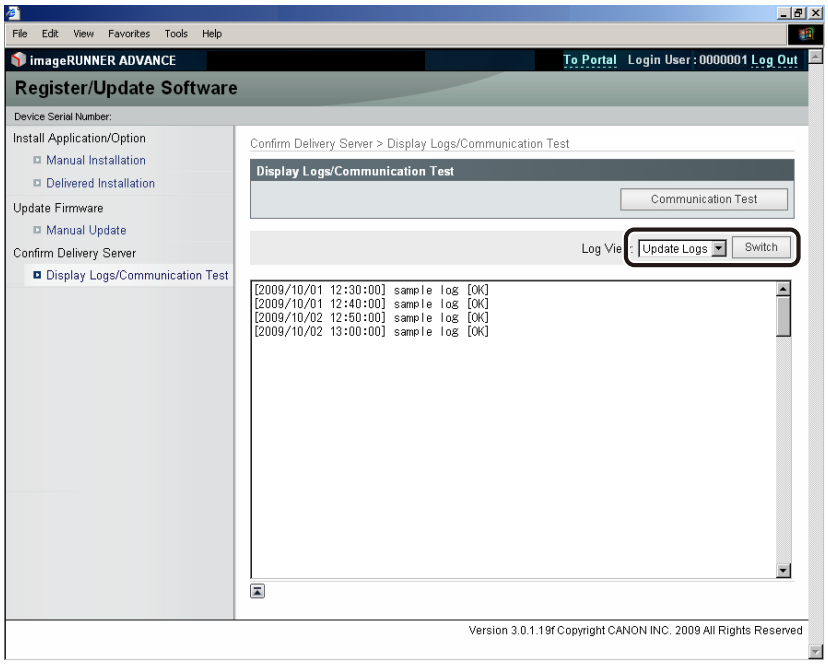
1 **From the top page of the Remote UI, click [Settings/Registration] → [License/Other] → [Register/Update Software].**



2 **Click [Display Logs /Communication Test].**



3 From the Log View drop-down list, select [Update Logs] → click [Switch].

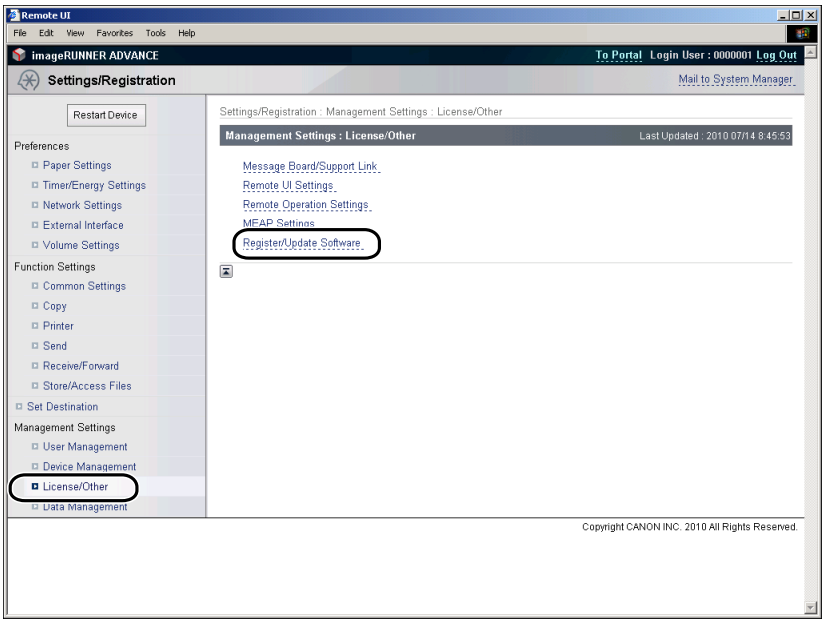


The installation logs of the system options and MEAP applications are displayed.

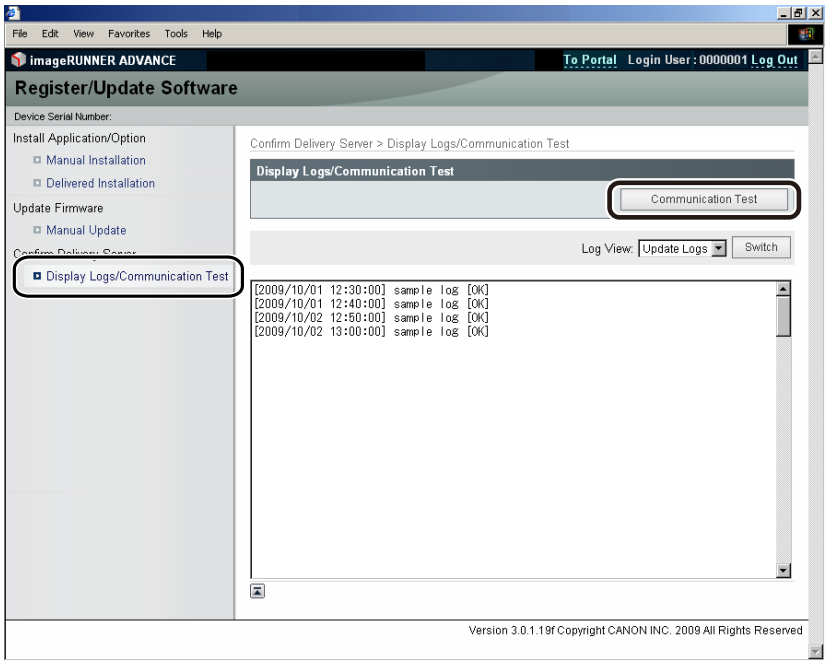
Testing Communication Using the Remote UI

You can check whether the machine can properly communicate with the delivery server.

1 From the top page of the Remote UI, click [Settings/Registration] → [License/Other] → [Register/Update Software].



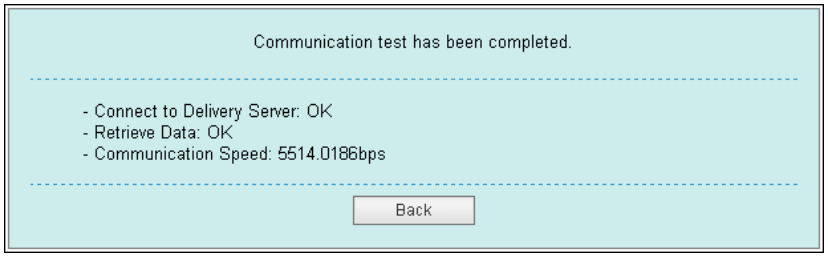
2 Click [Display Logs /Communication Test] → [Communication Test].



When the confirmation dialog is displayed, click [Yes].

Contents for the test are downloaded from the delivery server.

When the communication test is completed, the communication test result screen is displayed.



NOTE

If 'Failed' is displayed on the communication test result screen, check that the network cable is connected and that the network settings are correct.If the problem is not resolved, contact your local authorized Canon dealer.

Before Using the Advanced Box

12
CHAPTER

The following operations and settings are required to manage the Advanced Box users and open the Advanced Box to the public by SMB or WebDAV.

User Access Control for Advanced Box 12-2

Advanced Box Open to Public Settings. 12-5

Using a WebDAV/SMB Server 12-5

Setting the Authentication Management 12-6

User Access Control for Advanced Box

User Access Control for Advanced Box is an authentication application that enables you to perform user authentication when you want to access the Shared/Personal Space in the Advanced Box with authentication management and to use the SMB Print function when SMB authentication is set. The Advanced Box administrator can set access privilege for the general user for the Shared/Personal Space to restrict access and output of data for each user.

To specify each setting for User Management Service, it is necessary to access and then log in to the machine from the Web browser. You can access the machine from the portal page of the Remote UI.

1 **Start your Web browser.**

2 **Enter the following URL in [Address].**

http://<IP address of the machine or host name>

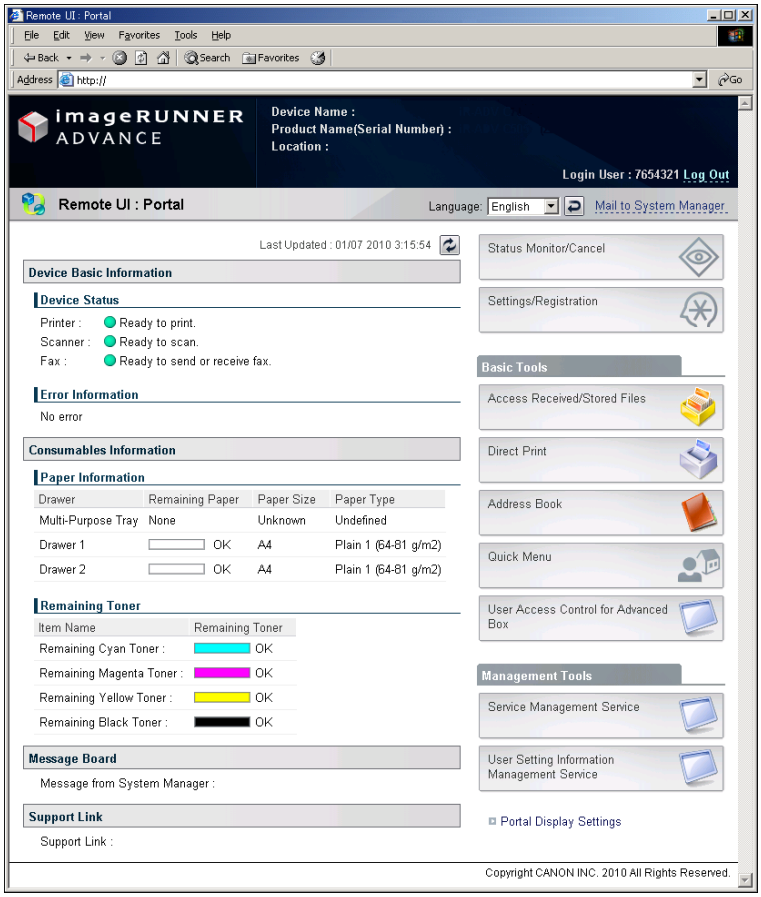
The [Login] page is displayed.

3 **Enter the Department ID and password → click [Administrator Login].**

The default setting for both the System Manager ID and System Password is '7654321'. We recommend that you change both the System Manager ID and System Password.

The portal page of the Remote UI is displayed.

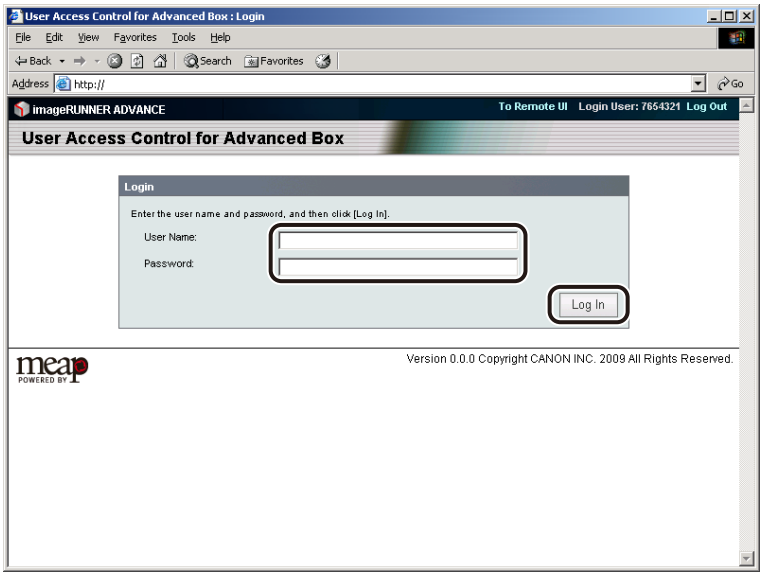
4 **Click [User Access Control for Advanced Box] from the applications on the portal screen.**



The Log In page for the user management of the Advanced Box is displayed.

5 Enter the user name and password → click [Log In].

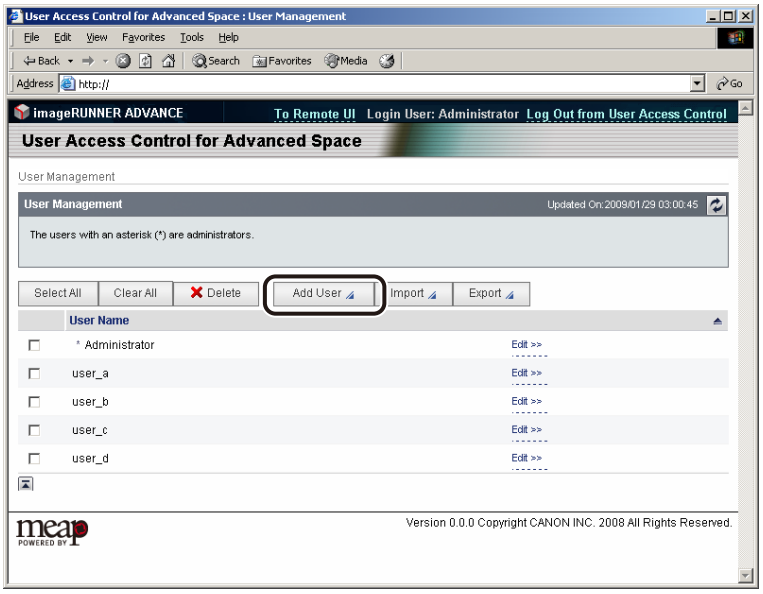
The default setting for user name is 'Administrator' and the password is 'password'. We recommend that you change both the user name and password.



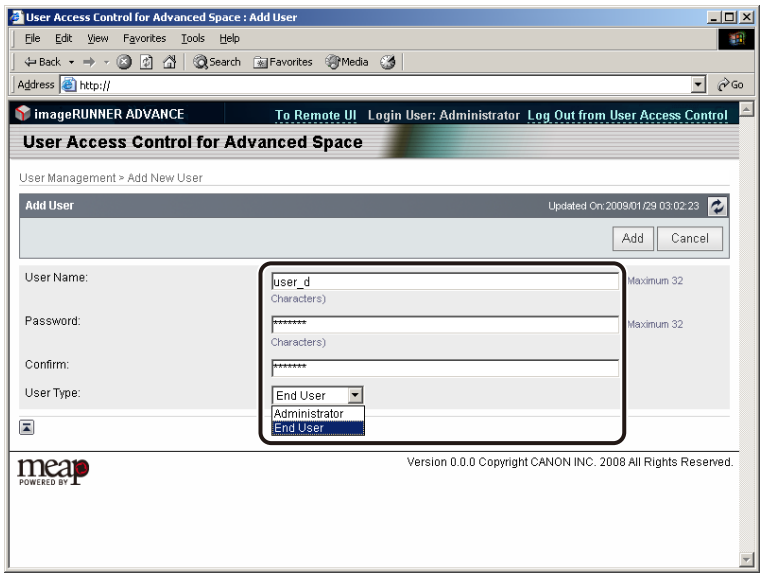
The [User Management] page is displayed.

6 Click [Add User].

If you close the Web browser page without clicking [Log Out from User Access Control], the logout process will not be performed correctly. Take care, because you will not be able to log in again for approximately 30 minutes in this case.



7 Enter each item, click [Add].



The new user information is registered.

Advanced Box Open to Public Settings

You can set whether to make the Advanced Box of the machine open to the public as a WebDAV server or SMB server on the network. Also, you can set whether to manage authentication for the users of the Advanced Box which is open to the public. If the authentication management is used, only the users registered in User Access Control for Advanced Box can use the Advanced Box. (See e-Manual > Security)

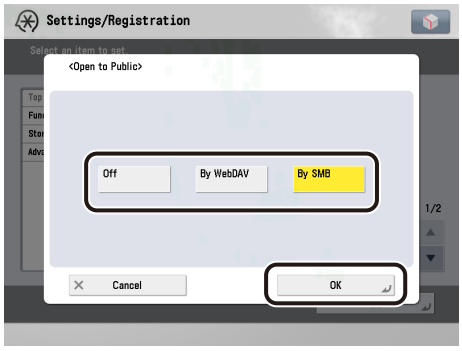
IMPORTANT

The Advanced Box cannot be opened to the public as a WebDAV server and SMB server at the same time.

Using a WebDAV/SMB Server

1 **Press (Settings/Registration) → [Function Settings] → [Store/Access Files] → [Advanced Box Settings] → [Open to Public].**

2 **Set whether to open the Advanced Box to public → press [OK].**



Details of each item are shown below.

[Off]: The Advanced Box is not open to the public.

[By WebDAV]: The Advanced Box is open to the public as a WebDAV server.

[By SMB]: The Advanced Box is open to the public as an SMB server.

IMPORTANT

- To open the Advanced Box to the public by SMB, <Use SMB Server> in Preferences (Settings/Registration) must be set to 'On'. (See "SMB and WINS Settings," on p. 6-3.)
- To open the Advanced Box to the public by WebDAV, [Use WebDAV Server] in [Network] in Preferences (Settings/Registration) must be set to 'On'.

Setting the Authentication Management

1 **Press (Settings/Registration) → [Function Settings] → [Store/Access Files] → [Advanced Box Settings] → [Authentication Management].**

● **If you set the Advanced Box to be open to the public as an SMB server and use authentication management:**

☐ Press [On].

IMPORTANT

To use the authentication management, <Use SMB Authentication> in [SMB Authentication Settings] in Preferences (Settings/Registration) must be set to 'On' and the authentication type must be set. (See "SMB and WINS Settings," on p. 6-3.)

● **If you set the Advanced Box to be open to the public as a WebDAV server and use authentication management:**

☐ Press [On].

☐ Press [Advanced Box Settings] → [WebDAV Server Settings] → [Basic] for the authentication type.

In the Advanced Box settings, in addition to specifying the open to public settings and managing authentication, you can initialize the shared space and set whether to allow personal space to be created. For more information, see e-Manual > Security.

Also, if you want to access the open to public Advanced Box (Network) of another machine from this machine, you must register the Advanced Box of another machine as the Network Place. For more information, see e-Manual > Security.

Before Using the Fax Function

13
CHAPTER

This section describes the information you should know before using the Fax function of the machine, such as how to specify fax settings and how to register user information.

Fax Settings 13-2
Selecting the Type of Telephone Line 13-2
Setting the Display Language. 13-2
Registering the Sending Record 13-3

Remote Fax Settings 13-7
Server-Side Settings 13-7
Client-Side Settings 13-8

Fax Settings

This section describes the important setting registrations and procedures that must be done before the machine is used for sending operations.

IMPORTANT

If you attempt to use the machine without registering the necessary information correctly, the machine may not function properly.

NOTE

- To send a fax, the FAX Board or the Remote Fax Kit must be available for use.
- This section describes the settings when the FAX Board is attached to the machine.
- For information on the settings when the Remote Fax Kit is used, see "Remote Fax Settings," on p. 13-7.

Selecting the Type of Telephone Line

Set the type of telephone line that is connected to the machine.

To set the type of telephone line connected to the machine with the FAX Board installed, check whether it is a rotary dial (rotary pulse) or a touch-tone type and make the correct setting.

If the Super G3 2nd Line Fax Board is installed in addition to installing the Super G3 FAX Board, or the Super G3 3rd/4th Line Fax Board is installed in addition to installing the Super G3 2nd Line Fax Board and Super G3 FAX Board, perform the same registration procedure for the additional line, too. (See e-Manual >Settings/Registration.)

IMPORTANT

The telephone line type you can select here is for line 1. To select the telephone line type for an additional line, see e-Manual >Settings/Registration.

1 **Press (Settings/Registration)→ [Function Settings] → [Send] → [Fax Settings] → [Set Line] → [Line 1] → [Select Line Type].**

2 **Select the type of telephone line → press [OK].**

If you do not know the telephone line type, call your telephone service provider for details.

Setting the Display Language

If you decide to switch the display language, set [Language/Keyboard Switch On/OFF] to 'On' before entering characters.

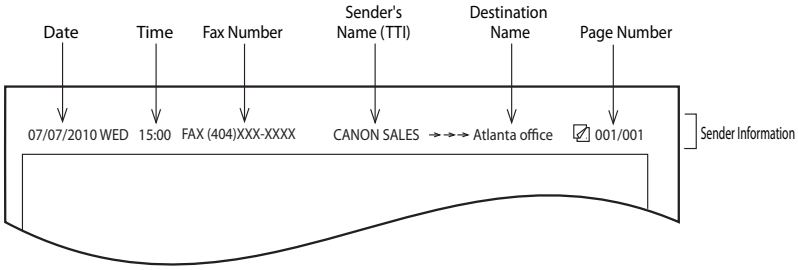
If [Language/Keyboard Switch On/OFF] is set to 'Off', and then you set it to 'On' after entering characters, the characters may not be displayed correctly. In this case, either re-enter the characters after setting [Language/Keyboard Switch On/OFF] to 'On', or enter characters with [Language/Keyboard Switch On/OFF] set to 'Off'.

If [Language/Keyboard Switch On/OFF] is set to 'On', some characters are restricted and cannot be entered. (See e-Manual > Settings/Registration.)

Registering the Sending Record

The sending record is printed at the top of every document you send via fax to the recipient.

The registered information is printed, as shown below. Depending upon the model of the machine at the receiving side, this information may appear on the display while communication is taking place.



- Date and Time
  - The date and time of the transmission are recorded.
- Fax Number
  - Your machine's fax number is recorded.
- Sender's Name (TTI (Transmit Terminal Identification))
  - The name registered as the Sender Name is recorded.
- Destination Name
  - If you send an original and select a destination from the Address Book, the stored destination's name appears on the sending record. (See e-Manual > Using the Machine to Send/Receive a Fax.)
- Page Number
  - The current page number out of the total number of pages of the original is recorded.

NOTE

- You can set the machine so that the sending record is not printed. (See e-Manual > Settings/Registration.)
- If the machine is set so that the sending record is printed at the top of the recording paper, and not all of the items are registered, only the required registered items and the total number of original pages are printed.
- To print the destination's name on the recipient's paper, set [Display Destination Unit Name] to 'On' in [TX Terminal ID] in [Function Settings] (Settings/Registration). (See e-Manual > Settings/Registration.)
- You can select the login user's name as the Sender Name if the SSO-H login service is being used. (The login name is displayed in <100> of Sender Names (TTI).) For more information on the SSO-H login service, see e-Manual > MEAP.

Setting the Current Date and Time

Setting the current date and time is very important. The current date and time settings are used as standard timer settings for functions that require them.

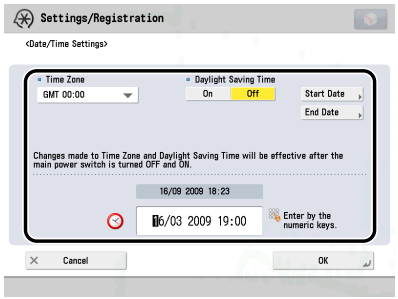
- GMT: The time at the Greenwich Observatory in England is called GMT (Greenwich Mean Time).
- Time Zone: The standard time zones of the world are expressed globally in terms of the difference in hours (up to 12 hours) from GMT (0 hours). A time zone is a region throughout which this time difference is the same.
- Daylight Saving Time: In some countries, time is advanced throughout the summer season. The period in which this is applied is called "Daylight Saving Time."

NOTE

You can also specify to automatically synchronize the date and time with a server on the network from the Settings/Registration screen. (See "TCP/IPv4 Settings," on p. 4-3.)

1 **Press (Settings/Registration)→ [Preferences] → [Timer/Energy Settings] → [Date/Time Settings].**

2 **Enter the current date (day, month, year) and time using 0 - 9 (numeric keys).**



Enter the day and the month using four digits (including zeros).

Enter all four digits of the year, and the time in 24-hour notation, as four digits (including zeros) without a space.

Examples:	6 May	→	0605
	7:05 a.m.	→	0705
	11:18 p.m.	→	2318

NOTE

If you make a mistake when entering values, press C (Clear)→ enter the values again, starting with the day.

● If you are setting the Time Zone:

- ☐ Press the Time Zone drop-down list → select the time zone in which the machine is located.

● If you are setting Daylight Saving Time:

- ☐ Press [On] → [Start Date].
- ☐ Select the month and day from the Month and Day drop-down lists, respectively.
- ☐ Press [-] or [+] to enter the time of day you want Daylight Saving Time to take effect → press [OK].
- ☐ Press [End Date] → select the month, day, and time at which Daylight Saving Time ends → press [OK].

NOTE

If you set Daylight Saving Time, the machine automatically sets the standard time of the machine one hour forward at the specified date and time.

3 **Press [OK].**

Registering Your Machine's Fax Number

You must store your machine's fax number. This number is printed on the document that you fax to the receiving party.

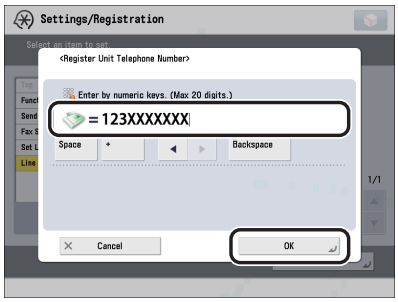
The number may also be displayed on the touch panel display of the receiving party's machine, depending on their type of machine.

IMPORTANT

The fax number you can register here is for line 1. To register the fax number for an additional line, see e-Manual > Settings/Registration.

1 **Press (Settings/Registration) → [Function Settings] → [Send] → [Fax Settings] → [Set Line] → [Line 1] → [Register Unit Telephone Number].**

2 **Enter the unit's telephone number using 0 - 9 (numeric keys) → press [OK].**



Details of each item are shown below.

[Space]:	Press to insert a space between the area code and the local fax number.
[+]:	Use to insert a country code. Press [+] after the country code, and before the fax number.
[◀][▶]:	Press to move the position of the cursor.
[Backspace]:	Press to delete the last number entered.

Registering the Unit's Name

Your name or company's name must be registered as the unit's name (a department name is optional).

The registered unit name can be displayed on the touch panel display of the receiving party's machine and/or printed at the top of the fax documents that you send as the sender's information. Some fax models also display sender information on the touch panel display during transmission.

NOTE

- It is necessary to register a separate Unit Name if you have an additional line. (See e-Manual > Settings/Registration.)
- The unit name can be printed in the TX Terminal ID.

1 **Press (Settings/Registration) → [Function Settings] → [Send] → [Fax Settings] → [Set Line] → [Line 1] → [Register Unit Name].**

2 **Enter a name → press [OK].**

Registering Sender Names

For fax, you can register any name as the Sender Name, such as the section or department's name, or an individual's name.

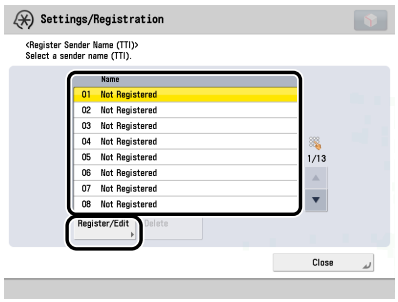
The registered Sender Name can be displayed on the touch panel display of the receiving party's machine and/or printed at the top of the documents that you send as the sender's information.

NOTE

- You can set to display/print the Sender Name instead of the name stored as the unit's name from the Options screen. (See e-Manual > Using the Machine to Send/Receive a Fax.)
- You can use this function if the fax board is installed or the Remote Fax Kit is activated.

1 **Press (Settings/Registration)→ [Function Settings] → [Send] → [Fax Settings] → [Register Sender Name (TTI)] .**

2 **Select the number under which you want to register the Sender Name → press [Register/Edit].**



You can store up to 99 sender names (01 to 99).

To delete a stored Sender Name, select the number under which the name is registered → press [Delete]. Only one sender name can be deleted at a time.

3 **Enter the Sender Name → press [OK].**

Remote Fax Settings

You can send/receive faxes on an imageRUNNER ADVANCE series machine even if the machine is not connected to a telephone line, by using a remote fax server.

To send and receive remote faxes, it is necessary to perform the following procedures.

1 **Server-Side Settings (See "Server-Side Settings," on p. 13-7.)**

Specify the settings for the imageRUNNER ADVANCE series machine that is being used as a remote fax server.

2 **Client-Side Settings (See "Client-Side Settings," on p. 13-8.)**

Specify the settings for the imageRUNNER ADVANCE series machine that is sending and receiving remote faxes.

IMPORTANT

- This function is available only if the imageRUNNER ADVANCE series machine to be used as a server has a fax board installed, and a remote fax kit is activated on the imageRUNNER ADVANCE series client machine.
- If you have set to use Department ID Management on a remote fax server, you can log in to a remote fax client and send faxes using a Department ID and password stored in the server.
- If the server machine is connected to a PBX and switches between an internal line and external line using a method other than an external dialing number, you cannot use the external line from the client machine.

Server-Side Settings

Specify Whether to Send Faxes from the Client

You can specify whether to send faxes from the client.

IMPORTANT

If the machine is used as the server machine of the Remote Fax, set [Dedicated Port Settings] (Preferences) to 'On'. (See e-Manual > Network.)

1 **Press (Settings/Registration)→ [Function Settings] → [Send] → [Fax Settings] → [Remote Fax Settings].**

2 **Press [Use Remote Fax].**

3 **Select [On] or [Off] → press [OK].**

<Use Remote Fax>

[On]: You can use the Remote Fax function.

[Off]: You cannot use the Remote Fax function.

Forwarding Client Settings

You can specify the settings to forward a received fax as an I-fax to the client. To forward faxes, it is necessary to register the client's I-fax address as the forwarding destination on the server machine, and specify any necessary forwarding settings. For information on forwarding settings, see e-Manual > Settings/Registrations.

Client-Side Settings

Remote Fax TX Settings

You can set the Remote Fax TX settings for when you are using the machine as a client.

■ Remote Fax TX Server Address

You can specify the IP address or the host name for the imageRUNNER ADVANCE series (Remote Fax Server) on the server-side.

To specify the IP address, you can register the IPv4 address and IPv6 address.

■ TX Timeout

If the TX Timeout time is set and the set time has elapsed, the remote fax job is canceled when the Remote Fax Server is not responding.

■ Number of Lines for Sending

You can set the number of lines you can select when sending remote fax. Set the number of lines to the same number of telephone lines connected to the remote fax server.

■ Setting the Priority Line

You can set the telephone line to use when sending a remote fax.

If you set automatic selection for [Select Line] in [Options] or in the settings for a TX line registered in the Address Book, the set line is used for sending.

---

1 **Press (Settings/Registration)→ [Function Settings] → [Send] → [Fax Settings] → [Remote Fax TX Settings].**

● **To specify the remote fax server address:**

- ☐ Press [Remote Fax Server Address].
- ☐ Enter the host name or the IP address → press [OK].

  A host name is a name assigned to a host computer that provides services on the network. Enter the name for Remote Fax Server.

● **To specify the TX Timeout settings:**

- ☐ Press [TX Timeout].
- ☐ Specify the TX timeout time by pressing [-] or [+] → press [OK].

● **To select the number of lines to use for sending:**

- ☐ Press [No. of TX Lines].
- ☐ Set the telephone line number to use for sending.

● **To select the priority line:**

- ☐ Press [Select Priority Line].
- ☐ Select [Auto] or the line to use as a priority.

Remote Fax RX Settings

You can specify the settings for receiving remote faxes from the client-side. To receive remote faxes, it is necessary to specify the settings to receive forwarded documents from the server machine as an I-fax. For information on I-Fax settings, see "Flow of Settings for Using Each Function" at the beginning of this manual.

Before Printing from Computers

14
CHAPTER

To print from a computer, you must install the printer driver and set up the printer configuration using the printer driver.

Installing the Printer Driver 14-2
System Requirements 14-2
Selecting the Appropriate Printer Driver 14-3
Installation 14-4
Setting the Printer Options 14-5
For Windows 14-5
For Mac 14-6
Other Software Programs 14-7

Installing the Printer Driver

The printer driver is software that is required to print from applications on your computer. The printer driver also enables you to configure settings relating to printing.

System Requirements

The following system environments are necessary in order to use the printer driver.

NOTE

Supported operating systems may differ according to the printer driver version you are using.

■ For Windows:

- Operating Systems:
  - Windows 2000
  - Windows XP
  - Windows Server 2003
  - Windows Vista
  - Windows Server 2008
  - Windows 7
- Computer:
  - Any computer that runs the above systems
- Memory:
  - The amount of memory required to run the above systems correctly

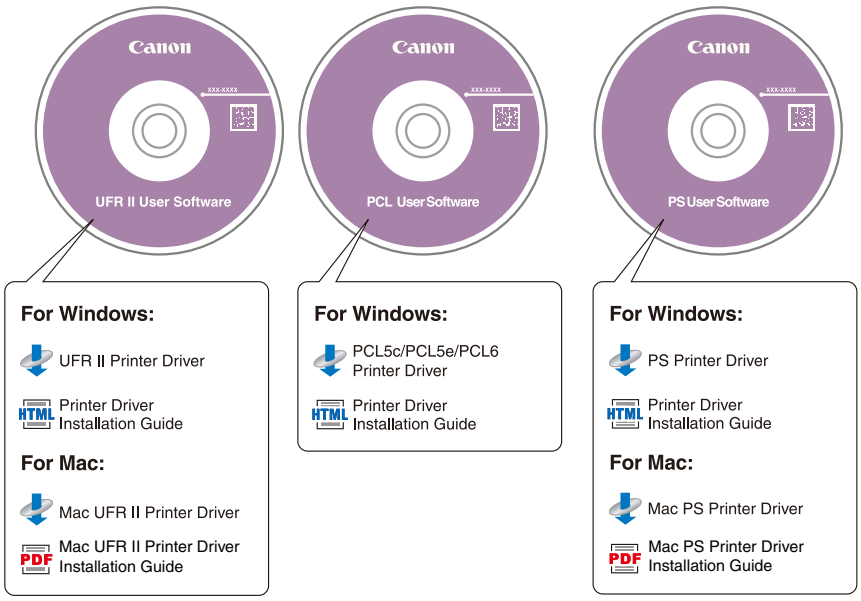
■ For Mac:

- Operating Systems:
  - UFR II Printer Driver: Mac OS X 10.4.9 or later
  - PS Printer Driver: Mac OS X 10.4.9 or later
- Computer:
  - Any computer that runs the above systems
- Memory:
  - The amount of memory required to run the above systems correctly

Selecting the Appropriate Printer Driver

The printer driver is installed from a User Software CD-ROM. If there is more than one CD-ROM, use the following information as a reference and select the appropriate CD-ROM and printer driver.
The available CD-ROM may differ, depending on the machine and the system environment you are using.

■ Content of Each CD-ROM:



■ Features of the Printer Driver

UFR II Printer Driver:

Using the UFR II printer driver, the various data processing tasks conventionally executed within the printer are appropriately divided between the host PC and the printer to greatly reduce the overall printing time. The workload can be delegated to match the output data, thus realizing a significant increase in speed through optimization.

PCL Printer Driver:

The PCL5c, PCL5e, and PCL6 printer drivers can be used with most kinds of business application. The PCL5c printer driver is for color printers, the PCL5e printer driver is for black-and-white printers, and the PCL6 printer driver is for both color and black-and-white printers. PCL6 is an advanced version of PCL5c and PCL5e, and offers superior printing quality and speed. The PCL5e printer driver is provided as standard with black-and-white printers.

PS Printer Driver:

The PS printer driver converts print data from applications into data for use with PS printers, and sends it to the printer. As well as converting print data, it can also enable you to configure settings relating to finishing and detailed settings such as color adjustment, and provides an appropriate print environment for desktop publishing and publishing on demand.

NOTE

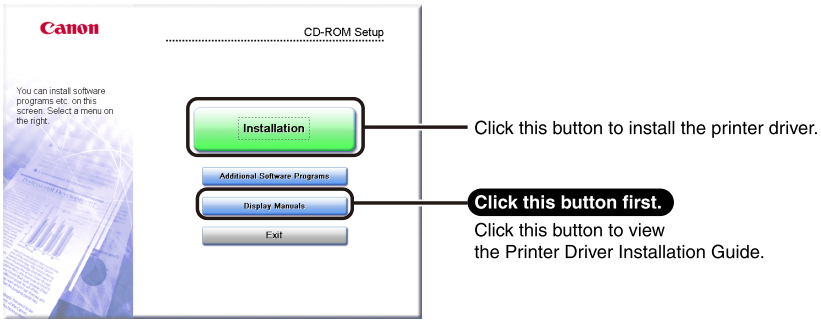
You can confirm which printer driver(s) you can use by following the procedure below.
1. Press [Counter Check] on the touch panel.
2. In the Check Counter screen, press [Chk. Device Config.].
3. Confirm the printer driver name displayed under [Option].

Installation

For details about the installation procedure, refer to the "Printer Driver Installation Guide" if you are using Windows, or the "Mac UFR II Printer Driver Installation Guide" or "Mac PS Printer Driver Installation Guide" if you are using a Mac OS.

■ CD-ROM Menu (Windows):

From the menu screen of the User Software CD-ROM, you can install the printer driver or display the "Printer Driver Installation Guide."



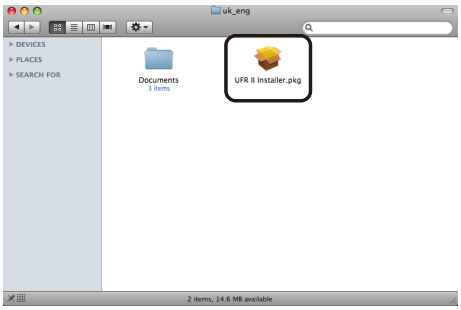
NOTE

You cannot view the Printer Driver Installation Guide after installation has started. If you want to view the Printer Driver Installation Guide, do so before you start the installation.

■ Starting Installation (Mac):

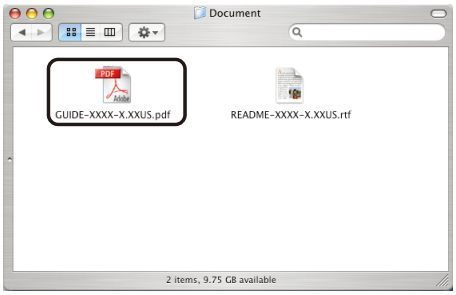
Insert the CD-ROM into your Mac CD-ROM drive and double-click the CD icon that appears on your desktop. You can find the installer and Printer Driver Installation Guide in the folder(s) with the printer driver name(s).

Double-click the installation icon in the installer set folder to start the installation.



■ Displaying the Printer Driver Installation Guide (Mac):

Double-click the PDF icon in the installation set folder to display the Printer Driver Installation Guide.



Setting the Printer Options

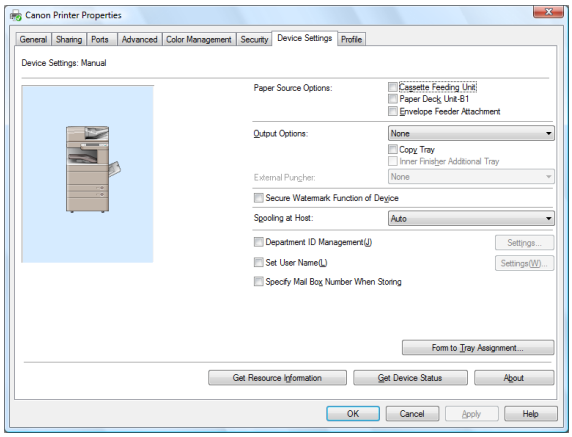
To correctly use the functions of this product, you must specify the printer driver settings for options (paper drawers, finisher, etc.) attached to the machine.

For Windows

Normally, printer options are automatically set when the printer driver is installed. You can confirm the settings on the [Device Settings] page for the printer driver.

The [Device Settings] sheet is displayed by right-clicking the printer you are using in the [Printers] or [Printers and Faxes] folder and selecting [Properties].

See the Printer Driver Installation Guide or the online help for details.



If no settings were specified during installation, click [Get Device Status] to obtain information about options for the machine. If you cannot obtain the device information, manually specify the settings for options attached to the machine.

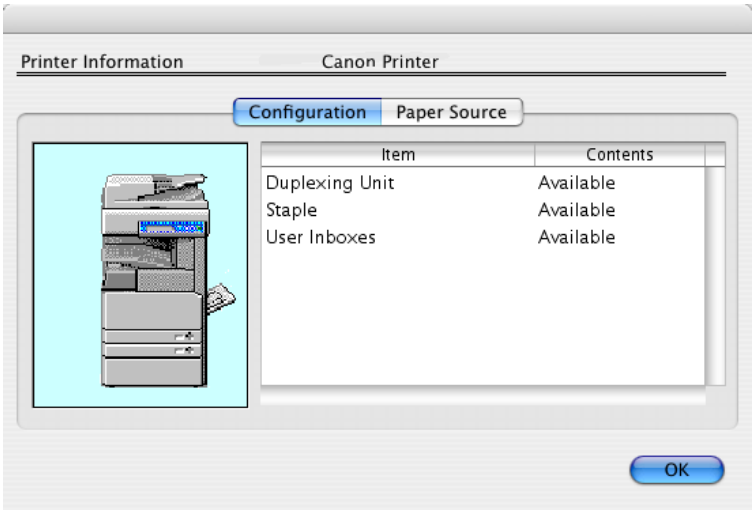
If you are using a shared printer, you need to install Canon Driver Information Assist Service in the print server computer in order to use the [Get Device Status] function. For details about how to install the Canon Driver Information Assist Service, see the Printer Driver Installation Guide.

For Mac

Display the [Printer Information] dialog box of the printer driver to obtain the device status.

The [Printer Information] dialog box is displayed by clicking [Printer Info] in any of the preferences panes of the printer driver.

See the Mac Printer Driver Installation Guide or the help for details.



NOTE

Depending on the type and version of the printer driver and the printer connection method, you may have to set the printer options manually. For details, see the Mac Printer Driver Installation Guide.

Other Software Programs

The following software programs are included on the User Software CD-ROM. Available software programs vary depending on the system configuration and CD-ROM.

Canon Font Manager (Windows)

Use this software to manage fonts and view them accurately in Windows. Double-click [Canonfm] → the [Setup.exe] icon to install the software. For more information, see the Readme.txt file located in \Canonfm\program files\Canon\Font Manager\English.

NOTE

Only the PCL User Software CD-ROM includes this software.

PPD file

Use the PPD (PostScript Printer Description) file to print from QuarkXPress and PageMaker with the PS Printer Driver.

For information on installing the PPD file, see the following documents.

Windows:	Printer Driver Installation Guide
Mac OS 9:	Readme.pdf located in \PS_PPD\uk_eng\MacOS9
Mac OS X:	PPD_GUIDE.pdf located in \PS_PPD\uk_eng\MacOSX

NOTE

Only the PS User Software CD-ROM includes this software.

Before Sending Faxes from Computers

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CHAPTER

In order to send faxes from computers, you must install the fax driver and set up the fax configuration using the fax driver.

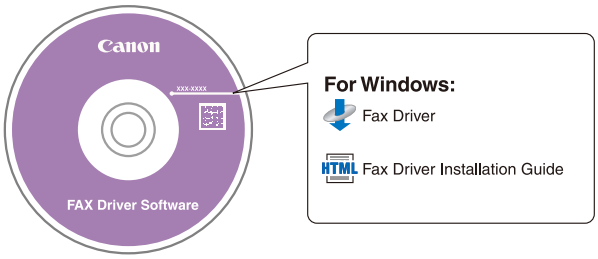
Installing the Fax Driver 15-2
System Requirements 15-2
Installation 15-2

Setting the Fax Options 15-3
For Windows 15-3

Installing the Fax Driver

The fax driver is software that is required to send faxes from applications on your computer. The fax driver also enables you to configure settings relating to fax transmission.

Install the fax driver from the FAX Driver Software CD-ROM. The contents of the CD-ROM are as follows.



System Requirements

The following system environments are necessary in order to use the fax driver.

NOTE

Supported operating systems may differ according to the fax driver version you are using.

■ For Windows:

- Operating Systems:
  - Windows 2000
  - Windows XP
  - Windows Server 2003
  - Windows Vista
  - Windows Server 2008
  - Windows 7
- Computer:
  - Any computer that runs the above systems
- Memory:
  - The amount of memory required to run the above systems correctly

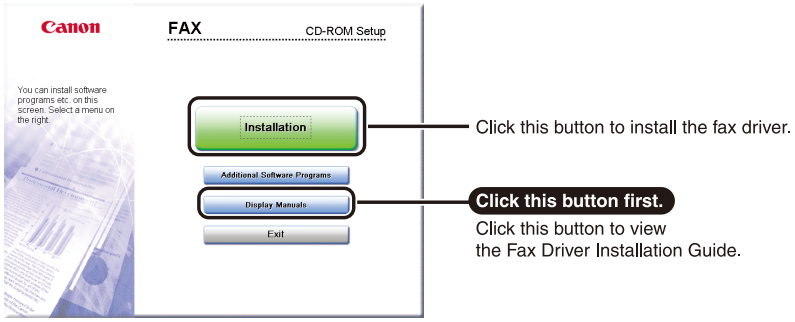
Installation

For details about the installation procedure, refer to the "Fax Driver Installation Guide" if you are using Windows.

From the menu screen of the CD-ROM, you can begin installing the fax driver, or display the Fax Driver Installation Guide.

■ CD-ROM Menu (Windows):

You can install the fax driver and display the Fax Driver Installation Guide from the CD-ROM Menu screen.



NOTE

You cannot view the Fax Driver Installation Guide after installation has started. If you want to view the Fax Driver Installation Guide, do so before you start the installation.

Setting the Fax Options

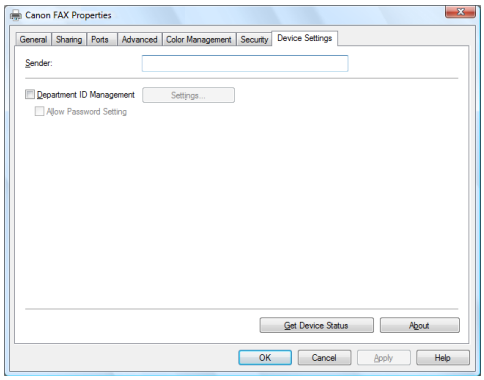
To correctly use the functions of this product, you must set the fax options using the fax driver.

For Windows

Fax options are set from the [Device Settings] sheet of the fax driver.

The [Device Settings] sheet is displayed by right-clicking the printer you are using in the [Printers] or [Printers and Faxes] folder and selecting [Properties].

See the Fax Driver Installation Guide or the online help for details about the installation procedure.



Click [Get Device Status] to obtain information about options installed and set in the device.

If you cannot obtain the device status, set up the configuration you want to use manually by clicking the appropriate check boxes or selecting the appropriate items from lists.

If you are using a shared fax, you need to install Canon Driver Information Assist Service in the print server computer in order to use the [Get Device Status] function. For details about the "Canon Driver Information Assist Service" installation procedure, see the Fax Driver Installation Guide.

Before Using the Remote Scan Function

16
CHAPTER

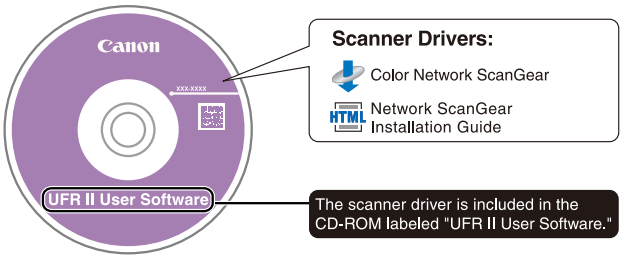
In order to use this product as a network scanner, you must install the scanner driver.

Installing the Scanner Driver 16-2
System Requirements 16-2
Installation 16-3
Settings Required Prior to Remote Scanning 16-4

Installing the Scanner Driver

To scan and enable the computer to receive data from the scanner, you need to install a scanner driver (Color Network ScanGear) on the computer. Also, you need to select a scanner with the ScanGear Tool.

The scanner driver is installed from the same User Software CD-ROM as the printer driver.



■ Color Network ScanGear

These are scanner drivers that are called from TWAIN-compatible applications. Originals are scanned using these drivers.

Examples of applications that support TWAIN include the following.
- Adobe Photoshop
- Adobe Acrobat
- Microsoft Word/Excel/PowerPoint etc. in Office 2000 or later

System Requirements

The following system environments are necessary in order to use the scanner driver.

■ Software:

- Operating Systems:
  - Windows 2000
  - Windows XP
  - Windows Server 2003
  - Windows Vista
  - Windows Server 2008
  - Windows 7
- Applications:
  - TWAIN-compatible applications (Adobe Photoshop, Adobe Acrobat, Microsoft Word/Excel/PowerPoint etc. in Office 2000 or later)

■ Hardware:

- Computer
  - Any computer that can run the supported systems
- Hard disk space
  - Any hard disk with the capacity required to operate the compatible operating systems
- Main memory
  - Any memory with the capacity required to operate the compatible operating systems
- A display with a resolution of at least 640 x 480 (800 x 600 or more recommended) and capable of displaying at least 256 colors.
- A network host adapter capable TCP/IP and UDP/IP communication on an Ethernet network.

NOTE

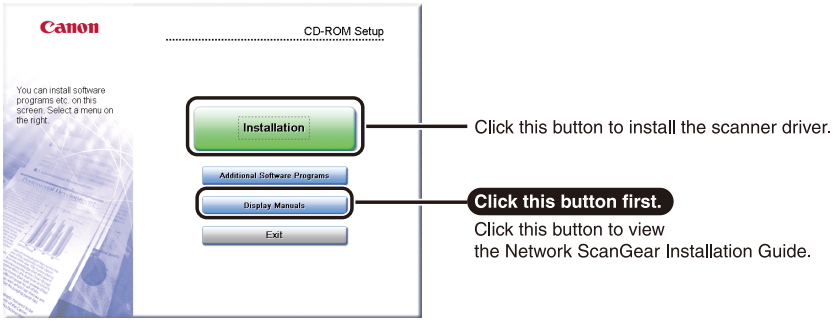
When scanning large numbers of images or images containing large amounts of image data, an insufficient memory error or notable loss of scanning speed may occur. If this happens, the following procedures should prove useful.

- Increase the amount of hard disk space by deleting or otherwise appropriately processing unnecessary files on the hard disk etc. to ensure sufficient hard disk space.
- Rescan with reduced resolution.
- Increase the amount of RAM.
- Increase the amount of virtual memory to the highest possible.
- Divide originals into several sets and then scan them separately.

Installation

For details about the installation procedure, refer to the "Network ScanGear Installation Guide".

From the menu screen of the CD-ROM, you can begin installing the scanner driver, or display the Network ScanGear Installation Guide.



NOTE

You cannot view the Network ScanGear Installation Guide after installation has started. If you want to view the Network ScanGear Installation Guide, do so before you start the installation.

Settings Required Prior to Remote Scanning

Once you have installed the scanner driver, the following settings are required in order to perform remote scanning.

For details about this procedure, see the Network ScanGear Installation Guide.

■ Switching the Scanner Online and Offline

In order to start the scanner driver and scan, the scanner must be set to [Online] beforehand at the device.

When the scanner is online, communication with devices connected over a network is possible and the scanner can receive data from computers.

■ Selecting the Network Scanner You Want to Use

In order to scan using Color Network ScanGear, select the device on the network that you want to use as a scanner using the ScanGear Tool. Because a scanner is not selected immediately after installation, this operation must be performed before use.

NOTE

The ScanGear Tool is software that is installed together with Color Network ScanGear.

Appendix

17
CHAPTER

This chapter provides additional useful information and index.

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Reports

NOTE

All of the following conditions must be met for the report to be printed.

- There is a paper drawer with [Other] in [Paper Drawer Auto Selection On/Off] in Function Settings (Settings/Registration) set to 'On'.
- In that paper drawer, paper with one of the following sizes is loaded.
  - A3
  - A4
  - A4R
  - B4
- That paper is one of the following types.
  - Plain 1 (64 to 81g/m^2)
  - Plain 2 (82 to 105g/m^2)
  - Recycled (64 to 81g/m^2)
  - Thin (52 to 63g/m^2)
  - Color (64 to 81g/m^2)

  However, if [Consider Paper Type] for Copy is set to 'On' in [Paper Drawer Auto Selection On/Off] in Function Settings (Settings/Registration), paper is not fed from the paper drawer specified for color paper.

Counter Report

You can print the Copy, Print, and Send counter as a counter report. You can print a counter report from the counter confirmation screen. (See e-Manual > Basic Operations.)

Total Counter Type

Prints the total counter type that is displayed on the counter confirmation screen.

Count

Prints the number for each total counter type.

Send/Fax Counter Type

Prints the counter type that is displayed on the send/fax counter confirmation screen.

NOTE

If the FAX board or the Remote FAX Kit is not installed, <Send Counter> is displayed.

Count

Prints the number for each counter type.

Print Log List

The print log list contains information about past print jobs. You can print the print log list from the Status Monitor/Cancel screen. (See e-Manual > Status Monitor/Cancel)

■ DEPT. ID

If a Department ID is set, it is listed at the top of the log. Print logs are printed for each Department ID.

■ JOB NO.

Prints the four digit number which is automatically assigned to a print job that is accepted.

■ TIME

Prints the date and time (in 24-hour notation) when a print job was completed.

■ JOB NAME

Prints the name of the printed document, or the type of print job.

■ USER

Prints the name of the user who sent the print job to the machine.

■ PGS.

Prints the number of pages in each copy set and the number of sets made.

■ RESULT

Prints "OK" or "NG."

"OK" is printed when the print job completes successfully.

"NG" (No Good) is printed if an error occurs during the print job. The error code or "STOP" is also printed next to "NG."

Device Information Delivery Destination List

The Device Information Delivery Destination List contains information about registered delivery destinations. You can print this list from Register Destinations under [Transmitting Settings] in [Device Information Delivery Settings] in [Management Settings] (Settings/Registration). (See e-Manual > Security.)

■ DESTINATION

The IP addresses of the registered destination machines are printed.

■ DEST. RECEIVABLE DATA

The data receivable at the registered destinations is printed.

■ AUTO DELIVERY

"On" is printed if Auto Delivery Settings in [Transmitting Settings] in [Device Information Delivery Settings] in [Management Settings] (Settings/Registration). are set for the registered destination. "Off" is printed if Auto Delivery Settings are not set for the registered destination.

■ AUTO DELIVERY DATA

The data that is delivered automatically is printed if Auto Delivery Settings in [Transmitting Settings] in [Device Information Delivery Settings] in [Management Settings] (Settings/Registration) are set for the destination.

Device Information Communication Log Report

The Device Information Communication Log Report contains information about device information that has been delivered and received. You can select to print the Device Information Communication Log Report manually or automatically.

You can also select to either print the Communication Log after the number of send and receive transmissions reaches 100, or specify to print it at a specified time. The send and receive logs can also be printed separately. (See e-Manual > Security.)

■ START TIME

Prints the date and time (in 24-hour notation) when device information communication started. (An asterisk (*) indicates that a report has already been printed.)

■ END TIME

Prints the date and time (in 24-hour notation) when device information delivery/reception completed.

■ TYPE

Displays whether the device information was delivered or received.

■ TO/FROM

Prints the delivery destination if the device information was delivered.

Prints the delivery source if the device information was received.

■ DATA DETAILS

Prints the device information that was delivered/received.

■ RESULT

Prints "OK" if the communication was completed successfully, or "NG" (No Good) if there was a communication error.

If an error occurred during communication, the error code is also printed.

Send Job List

You can view the list of send jobs and their statuses. The Send Job List can be printed from the Status Monitor/Cancel screen. (See e-Manual > Status Monitor/Cancel.)

NOTE

A list of fax, e-mail, I-fax, and file server transmissions is printed on the Send Job List.

SET TIME

The date and time that the send job was specified is printed in 24-hour notation. If SSO-H is set as the login service, the user name used for login is printed below the set time. When the machine cannot specify the user (for example, when automatically forwarding), the user name is not printed.

ST. TIME (Start Time)

The time (in 24-hour notation) at which the document started to be transmitted is printed. The start time is printed only for send jobs that have been set with the Delayed Send setting.

DESTINATION ADDRESS

The address of the recipient is printed.

DESTINATION ID

The name of the recipient is printed.

JOB NO.

The four digit number, that is automatically assigned when the document is accepted for sending, is printed.

MODE

The type and mode of transmission are printed.

Transmission type:	Send (TX)
Mode of transmission:	FTP, SMB, WebDAV, Mail Box (BOX), I-Fax (I-FAX), E-mail (MAIL), Fax (FAX)

PGS.

The number of pages that were sent is printed.

NOTE

If a field exceeds its display capacity, only those characters that fit in the display are printed.

Send TX Report/Send Error TX Report

The Send TX Report is a printed report that informs you of whether a send job has been successfully delivered to its destination. A Send TX Report can be set to print automatically after each job is sent, or only when there are transmission errors. (See e-Manual > Settings/Registration.)

NOTE

- A list of fax, e-mail, I-fax, file server, and Mail Box transmissions is printed on the Send TX Report. Even if [Report with TX Image] is set to 'On', the contents of the sent document are not printed on the report if the document was sent using the Encrypted PDF mode.
- You can also print a Send TX Report with an image of the sent original attached to it. (See e-Manual > Settings/Registration.)

■ JOB NO.

The four digit number, that is automatically assigned when the document is accepted for sending, is printed.

■ DEPT. ID

If Department ID Management is set, the Department ID is printed.

■ ST. TIME (Start Time)

The date and time (in 24-hour notation) at which the document started to transmit are printed.

■ PGS.

The number of pages that were sent is printed.

■ SEND DOCUMENT NAME

The name given to the document when the send settings were specified is printed.

■ TX/RX INCOMPLETE

If the transmission has been interrupted, the name and address of the destination are printed.

■ TRANSACTION OK

If the transmission completed successfully, the name and address of the destination are printed.

■ ERROR

If a sending error occurs, the name and address of the destination are printed.

NOTE

If a field exceeds its display capacity, only those characters that fit in the display are printed.

Fax TX Report/Fax Error TX Report

This report indicates items, such as the fax number of the party to which you sent documents, the result of communication, and other information, to enable you to check whether the documents were sent correctly to the intended destination.

You can set whether to automatically print a Fax TX Report after sending documents. (See e-Manual > Settings/Registration.)

NOTE

- You can use this function if the fax board is installed or the Remote Fax Kit is activated.
- You can also print a Fax TX Report with an image of the sent original attached to it. (See e-Manual > Settings/Registration.)

REPORT NAME

When the document transmission is completed successfully, a Fax TX Report is printed. When a send error occurs, a Fax Error TX Report is printed.

MESSAGE

A message describing the transmission result is printed.

JOB NO.

The four digit number, that is automatically assigned when the document is accepted for sending, is printed.

DEPT. ID

If Department ID Management is set, the Department ID is printed.

DESTINATION ADDRESS

The fax number of the destination is printed, up to the first 48 digits.

PSWD/SUBADDRESS

A subaddress is printed, if specified. The password is not printed to maintain security.

DESTINATION ID

The name of the remote party is printed.

ST. TIME (Start Time)

The date and time (in 24-hour notation) at which the document started to transmit are printed.

USAGE T

The time taken (in minutes and seconds) to send the document from start to finish is printed.

PGS.

The number of pages that were sent is printed.

RESULT

If the documents were transmitted successfully, "OK" is printed.

If a sending error occurred, "NG" (No Good) is printed.

If a sending error occurred, the error code or “STOP” is also printed next to “NG.”

Fax Multi TX Report

This report is used to check whether documents were sent successfully to the intended destinations when a sequential broadcast transmission was performed.

If a sequential broadcast transmission is performed when Fax TX Report is set to 'On', a Fax Multi TX Report is printed automatically. (See e-Manual > Settings/Registration.)

NOTE

- You can use this function if the fax board is installed or the Remote Fax Kit is activated.
- You can also print a Fax Multi TX Report with an image of the sent original attached to it. (See e-Manual > Settings/Registration.)

JOB NO.

The four digit number, that is automatically assigned when the document is accepted for sending, is printed.

DEPT. ID

If Department ID Management is set, the Department ID is printed.

PGS.

The number of pages that were sent is printed.

TX/RX INCOMPLETE

If a transmission is incomplete, the fax number and the name of the destination are printed. If there is no applicable destination, "_ _ _" is printed.

TRANSACTION OK

The fax number and the name of the destination of a completed transmission are printed. If there is no applicable destination, "_ _ _" is printed.

ERROR

If an error in transmission occurs, the fax number and the name of the destination are printed. If there is no applicable destination, "_ _ _" is printed.

Fax RX Report

This report is used to check if documents were received successfully by this machine.

You can set whether to automatically print a Fax RX Report. (See e-Manual > Settings/Registration.)

NOTE

This mode is available only if the FAX Board is installed.

■ MESSAGE

A message describing the reception result is printed.

■ JOB NO.

The four digit number, that is automatically assigned when the document is accepted for receiving, is printed.

■ DESTINATION ADDRESS

The fax number of the sender is printed, up to the first 48 digits.

■ PSWD/SUBADDRESS

A subaddress is printed, if specified. The password is not printed to maintain security.

■ DESTINATION ID

The name of the sender is printed.

■ ST. TIME (Start Time)

The date and time (in 24-hour notation) at which the document started to be received are printed.

■ USAGE T

The time taken (in minutes and seconds) to receive the document from start to finish is printed.

■ PGS.

The number of pages that were received is printed.

■ RESULT

If the documents were received successfully, "OK" is printed.

If a reception error occurred, "NG" (No Good) is printed.

If a reception error occurred, the error code or "STOP" is also printed next to "NG."

Confidential Fax Inbox RX Report

This report enables you to confirm that documents were received in a Confidential Fax Inbox.

You can set whether to automatically print a Confidential Fax Inbox RX Report. (See e-Manual > Settings/Registration.)

NOTE

This mode is available only if the FAX Board is installed.

■ INBOX NO./NAME

The number (00 to 49) and user assigned name of the Confidential Fax Inbox in which the documents were received is printed.

■ JOB NO.

The four digit number, that is automatically assigned when the document is accepted for receiving, is printed.

■ DESTINATION ADDRESS

The fax number of the sender is printed, up to the first 48 digits.

■ PSWD/SUBADDRESS

A subaddress is printed if specified. The password is not printed to maintain security.

■ DESTINATION ID

The name of the sender is printed.

■ ST. TIME (Start Time)

The date and time (in 24-hour notation) at which the document started to be received are printed.

■ USAGE T

The time taken (in minutes and seconds) to receive the document from start to finish is printed.

■ PGS.

The number of pages that were received is printed.

■ RESULT

If the documents were received successfully, "OK" is printed.

If a reception error occurred, "NG" (No Good) is printed.

If a reception error occurred, the error code or "STOP" is also printed next to "NG."

Activity Report

This report is a list which enables you to check the results of all sending and receiving transactions. An Activity Report can be printed either automatically or manually.

An Activity Report is automatically printed when either the number of communication results reaches 100, or a specified time is reached. The send and receive logs can also be printed separately.

An Activity Report can be printed manually at any time from the Status Monitor/Cancel screen. (See e-Manual > Status Monitor/Cancel.)

NOTE

- A list of fax, e-mail, I-fax, file server, and Mail Box transmission logs is printed on the Activity Report.
- When the message <Check the printer. Call service representative.> is displayed to indicate that the Print function is unavailable, the machine automatically prints an Activity Report after it recovers from the problem. The latest 100 communication results are printed on the report.

DEPT. ID

If Department ID Management is set, the Department ID is printed. Transmission logs are listed according to Department ID.

ST. TIME (Start Time)

The date and time (in 24-hour notation) at which the document started to be transmitted or received are printed. An asterisk (*) indicates a job that has already been printed. If SSO-H is set as the login service, the user name used for login is printed below the start time. When the machine cannot specify the user (for example, when automatically forwarding), the user name is not printed.

DESTINATION ADDRESS

The address of the recipient is printed.

If the send job is sent to a file server (FTP, SMB, or WebDAV), the path name is printed on the second line.

If a subaddress is specified for sending a fax, the destination address is printed on the second line.

DESTINATION ID

The name of the recipient is printed.

JOB NO.

The four digit number, that is automatically assigned when the document is accepted for sending or receiving, is printed. Numbers between 0001 and 4999 are for sending, while numbers between 5001 and 9999 are for receiving.

MODE

The type and mode of transmission are printed.

Transmission type:	Send (TX), Receive (RX)
Mode of transmission:	FTP, SMB, WebDAV, Mail Box (BOX), I-Fax (I-FAX), E-mail (MAIL), Fax (FAX), G3, ECM

NOTE

If the FAX Board is installed, Mail Box, FAX, G3, and ECM can be printed in the MODE column.

PGS.

The number of pages that were sent or received is printed.

RESULT

"OK," "NG," or "- -," and the transmission time are printed.

If the documents have been received successfully by the recipient, "OK" is printed.

If a sending error occurs, "NG" (No Good) is printed, and the error code is printed on the second line.

When sending is successful, but it is not confirmed whether the e-mail message or I-fax, or the file that you sent was actually delivered, "--" is printed.

NOTE

If a field exceeds its display capacity, only those characters that fit in the display are printed.

Fax Activity Report

The Fax Activity Report is a printed log that shows the results of send and receive jobs. A Fax Activity Report can be printed either automatically or manually.

A Fax Activity Report is automatically printed when either the number of communication results reaches 40, or a specified time is reached. You can set whether to automatically print an Activity Report. (See e-Manual > Settings/Registration.)

NOTE

- When the message <Check the printer. Call service representative.> is displayed to indicate that the Print function is unavailable, the machine automatically prints a Fax Activity Report after it recovers from the problem. The latest 40 communication results are printed on the report.
- You can use this function if the fax board is installed or the Remote Fax Kit is activated.

DEPT. ID

If Department ID Management is set, the Department ID is printed. Transmission logs are listed according to the Department ID.

ST. TIME (Start Time)

The date and time (in 24-hour notation) at which the document started to be transmitted or received are printed. An asterisk (*) indicates a job that has already been printed. If SSO-H is set as the login service, the user name used for login is printed below the start time. When the machine cannot specify the user (for example, when automatically forwarding), the user name is not printed.

DESTINATION ADDRESS

The name and fax number of the remote party are printed. If a subaddress or Sender Name has been specified, it is printed beneath the fax number.

NO.

The four digit number, that is automatically assigned when the document is accepted for sending or receiving, is printed. Numbers between 0001 and 4999 are for sending, while numbers between 5001 and 9999 are for receiving.

MODE

The communicated contents and the Communication mode are printed.

Sending:	TX, Sequential Broadcast TX, Delayed Sequential Broadcast, Transfer TX, Direct Sending
Receiving:	Manual RX, Automatic RX, Confidential Fax Inbox RX, Memory RX, Transfer RX
Communication mode:	G3/ECM

Line Type (displayed only when multiple lines are used): 1, 2, 3, 4

PGS.

The number of pages that were sent or received is printed.

RESULT

"OK" or "NG" and the transmission time are printed.

If the documents have been successfully sent to the recipient, "OK" is printed.

If a sending error occurred, the error code or "STOP" is also printed next to "NG."

Forwarding Conditions List

You can print the contents of the forwarding settings that have been specified. Manually print the Forwarding Conditions List whenever necessary. (See e-Manual > Settings/Registration.)

Registered LDAP Server List

You can print the registered LDAP server settings. Manually print the Registered LDAP Server List whenever necessary. (See e-Manual > Settings/Registration.)

Address Book List

You can print the contents of the Address Book (address lists 1 to 10 or One-Touch). Manually print the list of the selected Address Book whenever necessary. (See e-Manual > Settings/Registration.)

NOTE

A list of fax, e-mail, I-fax, file server, and group destinations is printed on the Address Book List.

DESTINATION NAME

The name of the specified destination is printed.

When printing the contents of a one-touch button, the number of the one-touch button is printed on the first line.

CLASS

The specified destination's class (transmission mode) is printed.

DESTINATION ADDRESS

- If the Class is "FTP," "SMB," or "WebDAV" (file server):
  The host name is printed on the first line, and the folder path on the second line.
- If the Class is "BOX":
  The number of the Mail Box is printed.
- If the Class is "I-FAX" or "MAIL":
  The I-fax address or e-mail address is printed.
- If the Class is "FAX":
  The fax number is printed on the first line, and the subaddress on the second line, if it is specified.
- If the Class is "GROUP":
  The destinations stored in the group address are printed on the second line and continue down in a list. If a file server is stored in the group address, no additional information is printed on the second line.

Store Log Report

You can print a log of store locations of the files. A Store Log Report can be printed manually at any time from the Status Monitor/Cancel screen. (See e-Manual > Status Monitor/Cancel.)

■ Stored At

Prints the date and time (in 24-hour notation) of when the storing of a file was completed. (An asterisk (*) indicates a job that has been printed on the Store Log Report before.)

■ Job No.

Prints the four digit number which is automatically assigned when a file is stored.

■ User

Prints the name of the user who stored the file.

■ Stored To

The name and path for the store location of the file are printed.

■ Protocol

The type of store location is printed.

NOTE

There are three types of store location. The store location that meets the following condition is printed.

- Memory Media: If a file is stored in a removable media such as USB memory from "Scan and Store."
- Local: If a file is stored in the Advanced Box of this machine from "Scan and Store."
- Network: If a file is stored in the Advanced Box of another machine from "Scan and Store."

■ Result

"OK" is printed when storing is completed successfully.

"NG" is printed if an error occurred during storing.

For NG (No Good), the error code or "STOP" is printed next to "NG."

NOTE

If a field exceeds its display capacity, only those characters that fit in the display are printed.

User's Data List

Prints the registration information for Settings/Registration. Manually print the User's Data List whenever necessary. (See e-Manual > Settings/Registration.)

NOTE

The following types of user data list are available.

- Send/Receive: Prints all of the registered information related to send and receive jobs in Settings/Registration. For instructions on printing the user data list, see e-Manual > Settings/Registration.
- Fax: Prints all of the registered information related to fax in Settings/Registration. For instructions on printing the user data list, see e-Manual > Settings/Registration.
- Network: Prints all of the registered information related to network in Settings/Registration. For instructions on printing the user data list, see e-Manual > Network.

System Information

■ MEAP Contents
Prints the version of the MEAP contents.

■ MEAP Specifications
Prints the version compatible with MEAP.

■ MEAP Function ID
Prints the ID compatible with MEAP.

■ Application Name
Prints the name of the application.

■ Application ID/System Application Name
Prints the system application's file name or the Application ID of a standard application.

■ Application Version
Prints the application's version number.

■ Status
Prints the status of the application.

■ Installed on
Prints the date and time the application was installed.

■ Vendor
Prints the name of the application vendor.

■ License Status
Prints the license status.

■ License Expires After
Prints the expiration date of the license.

■ License Upper Limit
Prints the upper license limit for each counter.

■ Counter Value
Prints the current value for each counter.

■ Free Register
Prints the current value for each register.

■ Maximum Memory Usage
Prints the maximum amount of memory that can be used by each application. The Maximum Memory Usage number is printed in kilobytes (KB).

■ Registered Service
Prints the service registered on the MEAP framework from the application. The Registered Service is printed only if there is data that corresponds to it.

NOTE

The printed items are subject to change, as we are constantly improving our products.

Specifications

Specifications are subject to change without notice for product improvement or future release.

Main Unit

Item	Specification
Name	Canon imageRUNNER ADVANCE C5051/C5045/C5035/C5030
Type	Reader-Printer Separated, Desktop
Color Supported	Full Color
Available Paper	Paper Drawers: Weight: 52 to 209 g/m^2 Type: Thin, Plain, Recycled, Color, Pre-Punched, Bond, Heavy 1(106 to 163 g/m^2), Heavy 2 (164 to 209 g/m^2), Textured, Transparency, Tab, and Envelopes Multi-Purpose Tray: Weight: 52 to 256 g/m^2 Type: Thin, Plain, Recycled, Color, Pre-Punched, Bond, Heavy 1(106 to 163 g/m^2), Heavy 2 (164 to 209 g/m^2), Heavy 3 (210 to 256 g/m^2), Textured, Tracing, Coated, Labels, Transparency, Tab, Washi, and Envelopes
Paper Sizes	Paper Drawer1: B4, A4, A4R, B5, B5R, A5R, and Custom size (139.7 mm x 182 mm to 304.8 mm x 390 mm) Paper Drawer2: 305mm x 457 mm, A3, B4, A4, A4R, B5, B5R, A5R, Custom size (139.7 mm x 182 mm to 304.8 mm x 457.2 mm) and Envelopes Multi-Purpose Tray: 305mm x 457 mm, 320mm x 450 mm (SRA3), A3, B4, A4, A4R, B5, B5R, A5, A5R, Custom size (99 mm x 139.7 mm to 320 mm x 457.2 mm), and Envelopes
Warm-Up Time	After Powering ON: 38 seconds Returning from the Sleep mode: imageRUNNER ADVANCE C5051/C5045: 18 seconds imageRUNNER ADVANCE C5035/C5030: 15 seconds Activation time may vary depending on the environment and conditions under which the machine is being used. (At a room temperature of 20 C° in all above cases.)
First Copy Time	Full Color: imageRUNNER ADVANCE C5051/C5045: 6.5 seconds imageRUNNER ADVANCE C5035/C5030: 8.9 seconds Black-and-White: imageRUNNER ADVANCE C5051/C5045: 4.0 seconds imageRUNNER ADVANCE C5035/C5030: 5.5 seconds

Item	Specification
Copy Speed (Except when paper is fed from the Multi-Purpose Tray)	1:1 (sheet/minute) imageRUNNER ADVANCE C5051 / imageRUNNER ADVANCE C5045 / imageRUNNER ADVANCE C5035 / imageRUNNER ADVANCE C5030 305mm x 457 mm: 20 / 20 / 15 / 15 A3: 26 / 26 / 18 / 18 B4: 26 / 26 / 18 / 18 A4: 51 / 45 / 35 / 30 A4R: 26 / 26 / 18 / 18 B5: 51 / 45 / 35 / 30 B5R: 10 / 10 / 10 / 10 A5R: 13 / 13 / 13 / 13
Resolution for Writing	1,200 x 1,200 dpi
Margin	Top: 4.0 mm Left and Right: 2.5 mm Bottom: 2.5 mm
Paper Feeding System/ Capacity	Paper Drawers: 550 sheets x 2 cassettes (80 g/m^2) Multi-Purpose Tray: 100 sheets (80 g/m^2)
Memory Capacity	Standard: 2 GB*1, Maximum: 2.5 GB *1 Depending on the region, 2.5 GB memory is standard-equipped.
Hard Disk Capacity	Standard: 80 GB, Maximum: 250 GB
Power Source	220 - 240 V AC, 50/60 Hz, 8.7A
Maximum Power Consumption	imageRUNNER ADVANCE C5051/C5045: 1.8 kW imageRUNNER ADVANCE C5035/C5030: 1.3 kW
Dimensions (H x W x D)	Only the Main Unit: 801 mm x 620 mm x 735 mm With the Duplex Color Image Reader Unit-B1: 982 mm x 620 mm x 760 mm With the Color Image Reader Unit-B1: 938 mm x 620 mm x 735 mm With the Color Image Reader Unit-B2: 826 mm x 620 mm x 735 mm
Weight	Only the Main Unit: Approximately 133 kg With the Duplex Color Image Reader Unit-B1: Approximately 172 kg With the Color Image Reader Unit-B1: Approximately 153 kg With the Color Image Reader Unit-B2: Approximately 148 kg
Installation Space (W x D)	850 mm x 735 mm (when the multi-purpose tray is extended)

Duplex Color Image Reader Unit-B1

Item	Specification
Original Feeding Mechanism	Automatic Document Feeder
Size and Weight of Originals	A3, B4, A4, A4R, B5, B5R, A5, A5R, B6R 1-sided scanning: 42 to 128 g/m^2 2-sided scanning: 50 to 128 g/m^2
Original Tray Capacity	150 sheets (80g/m^2)
Original Scanning Speed	Copying: 1-sided scanning: 70 sheets/minute (A4 in Black-and-White at 600 dpi) 2-sided scanning: 35 sheets/minute (A4 in Black-and-White at 600 dpi) 1-sided scanning: 51 sheets/minute (A4 in Full Color at 600 dpi) 2-sided scanning: 25.5 sheets/minute (A4 in Full Color at 600 dpi) Scanning: 1-sided scanning: 70 sheets/minute (A4 in Black-and-White/Full Color at 300 dpi) 2-sided scanning: 50 sheets/minute (A4 in Black-and-White/Full Color at 300 dpi)
Resolution for Reading	600 x 600 dpi
Number of Tones	256
Acceptable Originals	Sheet, book, three dimentional objects (up to 2 kg)
Magnification	Regular paper size: Same Ratio 1:1 Reduction 1:0.86 (A3 → B4/A4 → B5) 1:0.81 (B4 → A4R/B5 → A5R) 1:0.70 (A3 → A4R/B4 → B5R) 1:0.61 (A3 → B5R) 1:0.50 (A3 → A5R) 1:0.25 Enlargement 1:1.15 (B4 → A3/B5 → A4) 1:1.22 (A4R → B4/A5 → B5) 1:1.41 (A4R → A3/B5R → B4) 1:2.00 (A5R → A3) 1:4.00 Copy Ratio: 25 to 400 % (in 1% increments)
Multiple Copies	1 to 999 sheets
Power Source/Consumption	Feeder: From the main unit/133 W Scanner: From the main unit/17 W
Dimensions (H x W x D)	Feeder: 181 mm x 618 mm x 603 mm Scanner (Platen Glass): 72 mm x 620 mm x 564 mm
Weight	Feeder: Approximately 26.8 kg Scanner: Approximately 12 kg

Color Image Reader Unit-B1

Item	Specification
Original Feeding Mechanism	Automatic Document Feeder
Size and Weight of Originals	A3, B4, A4, A4R, B5, B5R, A5, A5R, B6 1-sided scanning: 42 to 128 g/m^2 2-sided scanning: 50 to 128 g/m^2
Original Tray Capacity	100 sheets (80 g/m^2)
Original Scanning Speed	Copying: 1-sided scanning: 46 sheets/minute (A4 in Black-and-White/Full Color at 600 dpi) Scanning: 1-sided scanning: 46 sheets/minute (A4 in Black-and-White/Full Color at 300 dpi)
Resolution for Reading	600 x 600 dpi
Number of Tones	256
Acceptable Originals	Sheet, book, three dimentional objects (up to 2 kg)
Magnification	Regular paper size: Same Ratio 1:1 Reduction 1:0.86 (A3 → B4/A4 → B5) 1:0.81 (B4 → A4R/B5 → A5R) 1:0.70 (A3 → A4R/B4 → B5R) 1:0.61 (A3 → B5R) 1:0.50 (A3 → A5R) 1:0.25 Enlargement 1:1.15 (B4 → A3/B5 → A4) 1:1.22 (A4R → B4/A5 → B5) 1:1.41 (A4R → A3/B5R → B4) 1:2.00 (A5R → A3) 1:4.00 Copy Ratio: 25 to 400 % (in 1% increments)
Multiple Copies	1 to 999 sheets
Power Source/Consumption	Feeder: From the main unit/45 W Scanner: From the main unit/17 W
Dimensions (H x W x D)	Feeder: 137 mm x 620 mm x 537 mm Scanner (Platen Glass): 72 mm x 620 mm x 564 mm
Weight	Feeder: Approximately 8.7 kg Scanner: Approximately 12 kg

Color Image Reader Unit-B2

Item	Specification
Resolution for Reading	600 x 600 dpi
Number of Tones	256
Acceptable Originals	Sheet, book, three dimentional objects (up to 2 kg)
Magnification	Regular paper size: Same Ratio 1:1 Reduction 1:0.86 (A3 → B4/A4 → B5) 1:0.81 (B4 → A4R/B5 → A5R) 1:0.70 (A3 → A4R/B4 → B5R) 1:0.61 (A3 → B5R) 1:0.50 (A3 → A5R) 1:0.25 Enlargement 1:1.15 (B4 → A3/B5 → A4) 1:1.22 (A4R → B4/A5 → B5) 1:1.41 (A4R → A3/B5R → B4) 1:2.00 (A5R → A3) 1:4.00 Copy Ratio: 25 to 400 % (in 1% increments)
Multiple Copies	1 to 999 sheets
Power Source/Consumption	From the main unit/40 W
Dimensions (H x W x D)	Platen Cover: 25 mm x 561 mm x 493 mm Scanner (Platen Glass): 72 mm x 620 mm x 564 mm
Weight	Platen Cover: Approximately 1.7 kg Scanner: Approximately 12 kg

Cassette Feeding Unit-AD1

Item	Specification
Paper Sizes	305mm x 457 mm, A3, B4, A4, A4R, B5, B5R, A5R, and Custom size (139.7 mm x 182 mm to 304.8 mm x 457.2 mm)
Paper Drawers Capacity	550 sheets x 2 cassettes (80 g/m^2)
Power Source/Maximum Power Consumption	From the main unit/Approximately 30W
Dimensions (H x W x D)	251 mm x 620 mm x 700 mm
Weight	Approximately 27.5 kg

Paper Deck Unit-B1

Item	Specification
Paper Size	A4
Paper Deck Capacity	2,700 sheets (80 g/m^2)
Power Source/Consumption	From the main unit/Approximately 45 W
Dimensions (H x W x D)	473 mm x 372 mm x 603 mm
Weight	Approximately 37 kg
Installation Space Including the Main Unit (W x D)	992 mm x 735 mm

Envelope Feeder Attachment-D1

Item	Specifications
Acceptable Envelopes	COM10 No.10, Monarch, DL, ISO-B5, ISO-C5
Capacity	50 sheets (or 30 mm in height)
Feeding Speed	10 cpm
Dimensions (H x W x D)	81 mm x 439 mm x 307 mm
Weight	Approximately 1.2 kg

Inner Finisher-A1

Item	Specification
Paper Size/Weight/Type	Size: 305 x 457 mm, 320 x 450 mm (SRA3), A3, B4, A4, A4R, B5, B5R, A5, A5R, and Envelopes Weight: 52 to 256 g/m^2 Type: Thin, Plain, Recycled, Color, Pre-Punched, Bond, Heavy 1(106 to 163 g/m^2), Heavy 2 (164 to 209 g/m^2), Heavy 3 (210 to 256 g/m^2), Tracing, Coated, Labels, Transparency, and Envelopes

Item	Specification
Capacity Per Tray (Standard Tray)	No Collating, Collate, Group mode: 305 x 457 mm, A3, B4, A4, A4R, B5: 500 sheets (or 62.5 mm in height) (when the Inner Finisher Additional Tray-A1 is not attached) 200 sheets (or 25 mm in height) (when the Inner Finisher Additional Tray-A1 is attached) Collate (Shift), Group (Shift) mode: 305 x 457 mm, A3, B4: 200 sheets (or 62.5 mm in height) A4, A4R, B5: 500 sheets (or 62.5 mm in height) (when the Inner Finisher Additional Tray-A1 is not attached) 200 sheets (or 25 mm in height) (when the Inner Finisher Additional Tray-A1 is attached) Staple mode: A3, B4, A4, A4R, B5: 30 sets (or 62.5 mm in height) No Collating, Collate, Group mode with different paper sizes: 200 sheets (or 25 mm in height) Staple mode with different paper sizes: 30 sets (or 25 mm in height)
Capacity Per Tray (Additional Tray)	No Collating, Collate, Group mode: 305 x 457 mm, A3, B4, A4, A4R, B5: 100 sheets (or 12.5 mm in height) Staple mode: A3, B4, A4, A4R, B5: 8.1 mm in height No Collating, Collate, Group mode with different paper sizes: 100 sheets (or 12.5 mm in height) Staple mode with different paper sizes: 8.1 mm in height
Max. Stapling Capacity/ Available Staple Size	A4, B5: 50 sheets (52 to 81 g/m^2) 30 sheets (82 to 105 g/m^2) 2 sheets (106 to 256 g/m^2) A3, B4, A4R: 30 sheets (52 to 81 g/m^2) 20 sheets (82 to 105 g/m^2) 2 sheets (106 to 256 g/m^2) Corner Staple/Double Staple mode: A3, B4, A4, A4R, B5
Power Source/Maximum Power Consumption	From the main unit/Approximately 50 W
Dimensions (H x W x D)	234 mm x 865 mm x 540 mm (when the auxiliary tray is extended)
Weight	Approximately 13 kg (when the optional Inner Finisher Additional Tray-A1 is attached)
Installation Space Including the Main Unit (W x D)	1,095 mm x 735 mm (when the multi-purpose tray and the auxiliary tray are extended)

Staple Finisher-C1

Item	Specification
Paper Size/Weight/Type	Size: 305mm x 457 mm, 320mm x 450 mm (SRA3), A3, B4, A4, A4R, B5, B5R, A5, A5R, and Envelopes Weight: 52 to 256 g/m^2 Type: Thin, Plain, Recycled, Color, Pre-Punched, Bond, Heavy 1(106 to 163 g/m^2), Heavy 2 (164 to 209 g/m^2), Heavy 3 (210 to 256 g/m^2), Tracing, Coated, Labels, Transparency, and Envelopes
Capacity Per Tray (Upper Output Tray)	No Collating, Collate, Group mode A4, B5, A5, A5R: 1,300 sheets (or 188 mm in height) A3, B4, A4R, B5R: 650 sheets (or 96 mm in height) Collate (Shift), Group (Shift) mode A4, B5: 1,300 sheets (or 147 mm in height) A3, B4, A4R: 650 sheets (or 96 mm in height) Staple mode A4, B5: 1,300 sheets/30 sets (or 188 mm in height) A3, B4, A4R: 650 sheets/30 sets (or 96 mm in height) No Collating, Collate, Group mode with different paper sizes: 650 sheets (or 96 mm in height) Staple mode with different paper sizes: 650 sheets/30 sets (or 96 mm in height)
Capacity Per Tray (Lower Output Tray)	No Collating, Collate, Group mode A4, B5, A5, A5R: 1,700 sheets (or 243 mm in height) A3, B4, A4R, B5R: 650 sheets (or 96 mm in height) Collate(Shift), Group(Shift) mode A4, B5: 1,700 sheets (or 243 mm in height) A3, B4, A4R: 650 sheets (or 96 mm in height) Staple mode A4, B5: 1,700 sheets/30 sets (or 243 mm in height) A3, B4, A4R: 650 sheets/30 sets (or 96 mm in height) No Collating, Collate, Group mode with different paper sizes: 650 sheets (or 96 mm in height) Staple mode with different paper sizes: 650 sheets/30 sets (or 96 mm in height)

Item	Specification
Max. Stapling Capacity/ Available Staple Size	A4, B5: 50 sheets (52 to 81 g/m²) 30 sheets (82 to 105 g/m²) 2 sheets (106 to 256 g/m²) A3, B4, A4R: 30 sheets (52 to 81 g/m²) 20 sheets (82 to 105 g/m²) 2 sheets (106 to 256 g/m²) Corner Staple/Double Staple mode: A3, B4, A4, A4R, B5
Power Source/Maximum Power Consumption	From the main unit/Approximately 117 W
Dimensions (H x W x D)	1,097 mm x 677 mm x 646 mm (when the auxiliary tray is extended)
Weight	Approximately 46 kg
Installation Space Including the Main Unit (W x D)	1,527 mm x 735 mm (when the multi-purpose tray and the auxiliary tray are extended) 1,634 mm x 735 mm (When the optional Puncher is attached, the multi-purpose tray and the auxiliary tray are extended)

Booklet Finisher-C1

Item	Specification
Paper Size/Weight/Type	Size: 305mm x 457 mm, 320mm x 450 mm (SRA3), A3, B4, A4, A4R, B5, B5R, A5, A5R, and Envelopes Weight: 52 to 256 g/m² Type: Thin, Plain, Recycled, Color, Pre-Punched, Bond, Heavy 1(106 to 163 g/m²), Heavy 2 (164 to 209 g/m²), Heavy 3 (210 to 256 g/m²), Tracing, Coated, Labels, Transparency, and Envelopes
Capacity Per Tray (Upper Output Tray)	No Collating, Collate, Group mode A4, B5, A5, A5R: 1,300 sheets (or 188 mm in height) A3, B4, A4R, B5R: 650 sheets (or 96 mm in height) Collate (Shift), Group (Shift) mode A4, B5: 1,300 sheets (or 188 mm in height) A3, B4, A4R: 650 sheets (or 96 mm in height) Staple mode A4, B5: 1,300 sheets/30 sets (or 188 mm in height) A3, B4, A4R: 650 sheets/30 sets (or 96 mm in height) No Collating, Collate, Group mode with different paper sizes: 650 sheets (or 96 mm in height) Staple mode with different paper sizes: 650 sheets/30 sets (or 96 mm in height)

Item	Specification
Capacity Per Tray (Lower Output Tray)	No Collating, Collate, Group mode A4, B5, A5, A5R: 1,700 sheets (or 243 mm in height) A3, B4, A4R, B5R: 650 sheets (or 96 mm in height) Collate(Shift), Group(Shift) mode A4, B5: 1,700 sheets (or 243 mm in height) A3, B4, A4R: 650 sheets (or 96 mm in height) Staple mode A4, B5: 1,700 sheets/30 sets (or 243 mm in height) A3, B4, A4R: 650 sheets/30 sets (or 96 mm in height) No Collating, Collate, Group mode with different paper sizes: 650 sheets (or 96 mm in height) Staple mode with different paper sizes: 650 sheets/30 sets (or 96 mm in height)
Max. Stapling Capacity/ Available Staple Size	A4, B5: 50 sheets (52 to 81 g/m^2) 30 sheets (82 to 105 g/m^2) 2 sheets (106 to 256 g/m^2) A3, B4, A4R: 30 sheets (52 to 81 g/m^2) 20 sheets (82 to 105 g/m^2) 2 sheets (106 to 256 g/m^2) Corner Staple/Double Staple mode: A3, B4, A4, A4R, B5
Max. Saddle Stitch Capacity/ Available Saddle Stitch Size	Saddle Stitch : 16 sheets (52 to 81 g/m^2) 10 sheets (82 to 105 g/m^2) Saddle Folding : 1 sheet (52 to 256 g/m^2) Size : A3, B4, A4R
Power Source/Maximum Power Consumption	From the main unit/Approximately 117 W
Dimensions (H x W x D)	1,097 mm x 789 mm x 646 mm (when the auxiliary tray is extended)
Weight	Approximately 75 kg
Installation Space Including the Main Unit (W x D)	1,639 mm x 735 mm (when the multi-purpose tray and the auxiliary tray are extended) 1,746 mm x 735 mm (When the optional Puncher is attached, the multi-purpose tray and the auxiliary tray are extended)

External 2 Hole Puncher-B1/External 2/3 Hole Puncher-B1/External 2/4 Hole Puncher-B1

Item	Specifications
Paper Size/Weight/Type	Size: External 2 Hole Puncher-B1: Two Holes: A3, B4, A4, A4R, B5, B5R External 2/3 Hole Puncher-B1: Three Holes: A3, A4 External 2/4 Hole Puncher-B1: Two or Four Holes: A3, A4 Weight: 52 to 256 g/m^2 Type: Thin, Plain, Recycled, Color, Heavy 1(106 to 163 g/m^2), Heavy 2 (164 to 209 g/m^2), Heavy 3 (210 to 256 g/m^2)
Punch Hole Quantity, Hole Diameter	Two Holes: 6.5mm (External 2 Hole Puncher-B1/External 2/4 Hole Puncher-B1) Three Holes: 8 mm (External 2/3 Hole Puncher-B1) Four Holes: 6.5 mm (External 2/4 Hole Puncher-B1)
Distance between Punch Holes	Two Holes: 80 mm (External 2 Hole Puncher-B1/External 2/4 Hole Puncher-B1) Three Holes: 108 mm (External 2/3 Hole Puncher-B1) Four Holes: 80 mm (External 2/4 Hole Puncher-B1)
Paper Size in Which Holes Can be Punched	Two holes (External 2 Hole Puncher-B1): A3, B4, A4, A4R, B5, B5R (External 2/4 Hole Puncher-B1): A3, A4, A4R Three holes (External 2/3 Hole Puncher-B1): A3, A4 Four holes (External 2/4 Hole Puncher-B1): A3, A4
Punch Waste Tray Capacity	Approximately 2,500 sheets (80 g/m^2)
Power Source	From the main unit
Dimensions (H x W x D)	908 mm x 107 mm x 623 mm
Weight	Approximately 7.2 kg

Inner Finisher Additional Tray-A1

Item	Specifications
Paper Size/Weight/Type	See specification of "Paper Size/Weight/Type" in Inner Finisher-A1.
Capacity Per Tray	See specification of "Capacity Per Tray (Additional Tray)" in Inner Finisher-A1.
Dimensions (H x W x D)	57 mm x 207 mm x 450 mm
Weight	Approximately 1.4 kg

Inner 2 Way Tray-F1

Item	Specifications
Paper Size/Weight/Type	Size: 305mm x 457 mm, 320mm x 450 mm (SRA3), A3, B4, A4, A4R, B5, B5R, A5, A5R, Custom size (99 mm x 139.7 mm to 320 mm x 457.2 mm), and Envelopes Weight: 52 to 256 g/m^2 Type: Thin, Plain, Recycled, Color, Pre-Punched, Bond, Heavy 1(106 to 163 g/m^2), Heavy 2 (164 to 209 g/m^2), Heavy 3 (210 to 256 g/m^2), Tracing, Coated, Labels, Transparency, and Envelopes
Capacity	Tray A: 250 sheets (80 g/m^2) Tray B: 100 sheets (80 g/m^2)
Dimensions (H x W x D)	76 mm x 426 mm x 407 mm
Weight	Approximately 574 g
Installation Space Including the Main Unit (W x D)	850 mm x 735 mm (when the multi-purpose tray is extended)

Copy Tray-J1

Item	Specification
Paper Size/Weight/Type	Size: A3, B4, A4, A4R, B5, B5R, A5R Weight: 52 to 209 g/m^2 Type: Thin, Plain, Recycled, Color, Pre-Punched, Bond, Heavy 1(106 to 163 g/m^2), Heavy 2 (164 to 209 g/m^2), and Tab
Capacity	100 sheets (80 g/m^2)
Dimensions (H x W x D)	144 mm x 365 mm x 373 mm (When the auxiliary tray is extended)
Weight	Approximately 438 g
Installation Space Including the Main Unit (W x D)	967 mm x 735 mm (When the auxiliary tray is extended)

Card Reader-C1

Item	Specifications
Available Cards	Magnetic, Optical
Card Readout Method	Magnetic/Optical readout
Magnetic Card Reading Direction	Face up
Store/Replay	Replay
Power Source	From the main unit
Dimensions (H x W x D)	32 mm x 88 mm x 100 mm (Excluding the attachment kit and cable)
Weight	Approximately 295 g (Including the attachment kit and cable)

Copy Card Reader-F1

Item	Specifications
Available Cards	Magnetic
Card Readout Method	Magnetic readout
Magnetic Card Reading Direction	Face up
Store/Replay	Replay
Power Source	From the main unit
Dimensions (H x W x D)	40 mm x 88 mm x 96 mm (Excluding the attachment kit and cable)
Weight	Approximately 191 g (Including the attachment kit and cable)

Super G3 FAX Board

NOTE

Specifications remain the same even when the Super G3 2nd Line FAX Board or Super G3 3rd/4th Line FAX Board is installed.

Item	Specifications
Telephone Line Used[*1]	Public Switched Telephone Network
Scan line Density (Scan, Transmission)	Normal: 8 pels[*2]/mm x 3.85 line/mm Fine: 8 pels[*2]/mm x 7.7 line/mm Super-Fine: 8 pels[*2]/mm x 15.4 line/mm Ultra-Fine: 16 pels[*2]/mm x 15.4 line/mm
Transmission Speed	Super G3: 33.6 kbps, G3: 14.4 kbps
Compression Method	MH, MR, MMR, JBIG
Transmission Type	Super G3, G3
Sending Original Sizes	A3, B4, A4, A4R, B5*, B5R**, A5**, A5R** *Sent as B4 ** Sent as A4
Receiving Paper Sizes	A3, B4, A4, A4R, B5, B5R, A5R
Transmission Times	ECM-MMR: Approximately 3.2 seconds G3MR method: Approximately 13 seconds G3MH method: Approximately 13 seconds JBIG: Approximately 2.6 seconds
Auto Dial Function	Address Book: 1,800 destinations (including destinations stored in one-touch buttons)
Image Memory	Approximately 6,000 pages

*1 When using an IP telephone service, facsimile communication may not be performed normally via an IP telephone line. It is recommended to use facsimile communication via a general telephone (Public Switched Telephone Network) line.

*2 Pels stands for picture elements (pixels).

Send Function

■ Scan Features

Item	Specifications
Communication Protocol	FTP (TCP/IP), SMB (TCP/IP), WebDAV
Data Format	TIFF, JPEG, PDF, XPS, OOXML
Resolution	100 x 100 dpi, 150 x 150 dpi, 200 x 100 dpi, 200 x 200 dpi, 200 x 400 dpi, 300 x 300 dpi, 400 x 400 dpi, 600 x 600 dpi
System Environment	Windows 2000 Server SP4, Windows XP Professional SP3, Windows Server 2003 R2 SP2, Windows Vista SP2, Windows Server 2008 SP2, Windows Server 2008 R2 SP2, Windows 7, Solaris 10, MacOS X 10.4.x/10.5.x, RedhatLinux 9
Interface	1000BASE-T, 100BASE-TX, 10BASE-T
Color Mode	Automatic-Color Select (Full Color/Grayscale), Automatic-Color Select (Full Color/Black-and-White), Full Color, Grayscale, Black-and-White
Original Type	Text, Text/Photo, Photo
Others	Preview, Browse Windows (SMB) File Server
Optional PDF/XPS/OOXML Functions	Compact*2, Trace and Smooth*1, Encryption*1, OCR, Divice Signature*2, User Signature*2, Optimization for Web*1, PDF/A*1, Reader Extensions*1

*1 PDF only.

*2 PDF/XPS only.

■ E-mail and I-Fax Features

Item	Specifications	
Communication Protocol	SMTP, POP3	
I-Fax Communication Mode	Simple, Full	
Resolution	For Sending E-mail	100 x 100 dpi, 150 x 150 dpi, 200 x 100 dpi, 200 x 200 dpi, 200 x 400 dpi, 300 x 300 dpi, 400 x 400 dpi, 600 x 600 dpi
	For Sending I-Fax	Black-and-White 200 x 100 dpi, 200 x 200 dpi, 200 x 400 dpi*, 300 x 300 dpi*, 400 x 400 dpi*, 600 x 600 dpi* Color 100 x 100 dpi*, 200 x 200 dpi* 300 x 300 dpi*, 400 x 400 dpi* 600 x 600 dpi* * Available after setting RX conditions of the destination
Format	E-mail	TIFF, JPEG, PDF, XPS, OOXML
	I-Fax	Black-and-White TIFF (MH, MR*, MMR*) Color TIFF (Profile-C)* * Available after setting RX conditions of the destination
Original Size	E-mail	A3, B4, A4, A4R, B5, B5R, A5, A5R
	I-Fax	A3, B4, A4, A4R, B5*, B5R**, A5**, A5R** *Sent as B4 ** Sent as A4
Server Software	Microsoft Exchange 2003 SP2, Microsoft Exchange 2007 SP1, Sendmail 8.12.8, Lotus Domino R7.0	
Other	Searches a destination via the LDAP Server, Preview	
Optional PDF/XPS Functions (E-mail only)	Compact*2, Trace and Smooth*1, Encryption*1, OCR, Divice Signature*2, User Signature*2, Optimization for Web*1, PDF/A*1, Reader Extensions*1	

*1 PDF only.

*2 PDF/XPS only.

Network Environment

Hardware Specifications

Network Interface	10Base-T/100Base-TX/1000Base-T (RJ-45)

Software Specifications

Protocol Supported		
TCP/IP	Frame type: Print applications:	Ethernet II LPD/Raw/IPP/IPPS/FTP/WSD
IPX/SPX	Frame type: Print applications:	Ethernet II/Ethernet 802.2/Ethernet 802.3/ Ethernet SNAP/Auto Detect Bindery PServer/NDS PServer/RPrinter/ NPrinter
NetBIOS*1	Frame type: Print application:	Ethernet II SMB
AppleTalk	Frame type: Print application:	Ethernet SNAP PAP (Printer Access Protocol)

*1 IPv6 is not supported.

Printer Settings

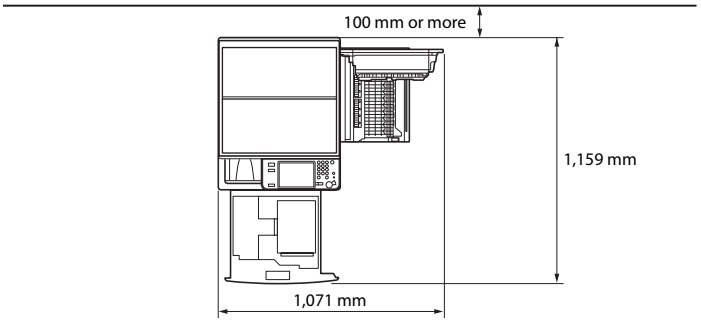
Software Specifications

Command Language	PCL5e, PCL6, PostScript 3
Resident Fonts	PCL: 93 Scalable fonts, 2 OCR fonts, and 10 Bitmap fonts PS: 138 Scalable fonts
Printable Area	PCL5e, PCL6: Reduced to 4.23 mm from the top, bottom, left, and right edges of the paper. PostScript 3: Reduced to 4 mm from the top, bottom, left, and right edges of the paper.

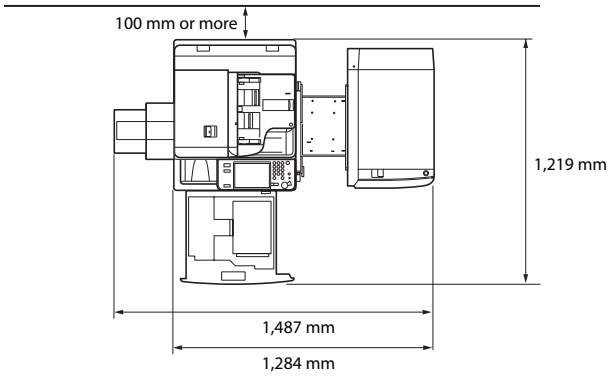
Provide Adequate Installation Space

■ Provide enough space on each side of the machine for unrestricted operation.

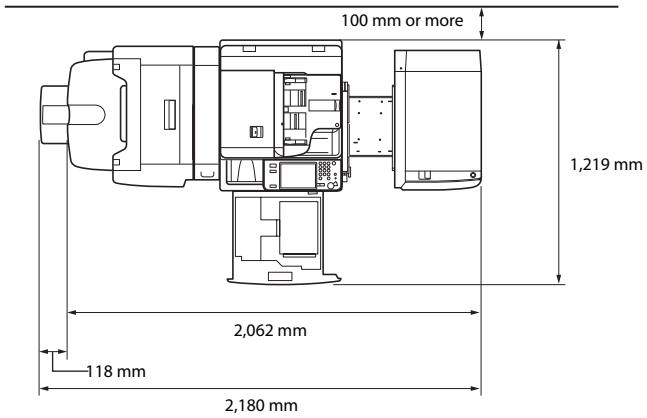
The Color Image Reader Unit-B2 is attached.



The Duplex Color Image Reader Unit-B1, Inner Finisher-A1, and Paper Deck Unit-B1 are attached.



The Duplex Color Image Reader Unit-B1, Puncher, Booklet Finisher-C1, Buffer Pass Unit-G1, and Paper Deck Unit-B1 are attached.



Number of Enterable Characters and Capacity of Various Functions

Number of Enterable Characters

Settings/Registration

Function Settings					
Common	**PrintSettings**	Register Form	Form Name		24 characters maximum
		Register Characters for Page No./Watermark	Characters		32 characters maximum
		Copy Set Numbering Option Settings	Characters		16 characters maximum
		Forced Secure Watermark/Doc. Scan Lock	Characters		32 characters maximum
		Printer Driver Watermark/Doc. Scan Lock	Characters		32 characters maximum
Copy	**Register/Edit Favorite Settings**	Register Name			10 characters maximum
Send	**Common Settings**	Register/Edit Favorite Settings	Register Name		(10 characters maximum)x2
	E-mail/I-Fax Settings	Register Unit Name			24 characters maximum
		Default Subject			40 characters maximum
	Fax Settings	Register Sender Name (TTI)			24 characters maximum
		Set Line	Line n	Register Unit Name	24 characters maximum
		Remote Fax TX Settings	Server Address	IP Address or Host Name	48 characters maximum
Receive/ Forward	**Common Settings**	Forwarding Settings	Forwarding Condition Name		50 characters maximum
			File Name		24 characters maximum
		Set Fax/I-Fax Inbox	Set/Register Confidential Fax Inboxes	Register Inbox Name	24 characters maximum
Store/Access Files	**Common Settings**	Scan and Store Settings	Register/Edit Favorite Settings	Register Name	10 characters maximum
		Settings of Access Stored File	Register/Edit Favorite Settings	Register Name	10 characters maximum
	Mail Box Settings	Set/Register Mail Boxes	Register Mail Box Name		24 characters maximum
	Network Settings	Network Place Settings	Register Name		32 characters maximum
			Folder Path		128 characters maximum

Set Destination			
Register LDAP Server		Server Name	24 characters maximum
		Server Address	48 characters maximum
		Position to Start Search	128 characters maximum
Register Address List Name		Name	16 characters maximum
Acquire Remote Address Book	**Remote Address Book Server Address**	IP Address or Host Name	128 characters maximum
Address Book Settings	**Fax**	Name	24 characters maximum
		One-touch Button Name*	12 characters maximum
		Fax Number	120 digits maximum
		Subaddress	20 digits maximum
		Password	20 digits maximum
	E-mail	Name	24 characters maximum
		One-touch Button Name*	12 characters maximum
		E-mail Address	128 characters maximum
	I-Fax	Name	24 characters maximum
		One-touch Button Name*	12 characters maximum
		I-Fax Address	128 characters maximum
		Standard Field 1	40 characters maximum
		Standard Field 2	16 characters maximum
	File	Name	24 characters maximum
		One-touch Button Name*	12 characters maximum
		Host Name	128 characters maximum
		Folder Path	255 characters maximum
		User	FTP: 24 characters maximum SMB, WebDAV: 128 characters maximum
		Password	SMB, FTP, WebDAV: 24 characters maximum
	Group	Name	24 characters maximum
		One-touch Button Name*	12 characters maximum

Management Settings			
User Management	**System Manager Information Settings**	System Manager	32 characters maximum
		E-mail Address	64 characters maximum
		Contact Information	32 characters maximum
		Comment	32 characters maximum
Device Management	**Device Information Settings**	Device Name	32 characters maximum
		Location Information	32 characters maximum

* One-touch button name can be entered only when you are setting the one-touch buttons.

Capacity of Various Functions

Settings/Registration

Preferences		
Timer/Energy Settings	**Date/Time Settings**	Year, Month, day, hour

Function Settings					
Send	**Fax Settings**	Register Sender Name (TTI)	Number of Names		99
		Set Line	Line n	User Telephone No.	20 digits maximum
Receive/ Forward	**Common Settings**	Set Fax/I-Fax Inbox	Set/Register Confidential Fax Inboxes	Number of Inboxes	50
			Memory RX Inbox PIN		7 digits maximum
Store/Access Files	**Mail Box Settings**	Set/Register Mail Boxes	Number of Mail Boxes		100
			PIN		7 digits maximum

Set Destination	
Address Book PIN	7 digits maximum
Address Book Capacity	1600 destinations
One-touch Button Capacity	200 destinations

Management Settings			
User Management	**System Manager Information Settings**	System Manager ID	7 digits maximum
		System PIN Settings	7 digits maximum
	Department IDManagement	Dept. ID	7 digits maximum
		PIN	7 digits maximum
		Page Limits	0-999999

Copy

Copy		
Favorite Settings	Number of Keys	9
Reserving Copy Jobs	Number of Jobs	20 jobs

Scan and Store

Scan and Store		
Favorite Settings	Number of Keys	9

Access Stored Files

Access Stored Files		
Favorite Settings	Number of Keys	9
Sending Documents	Number of Documents	32 documents maximum
	Number of Pages	999 pages maximum
Reserving Print Jobs	Number of Jobs	32 jobs

Scan and Send

Scan and Send		
Favorite Settings	Number of Keys	18
Send Jobs	Number of pages	999 pages maximum
Reserving Send Jobs	E-mail I-Fax File Mail Box	120 jobs

Fax

Fax		
Send Jobs	Number of pages	999 pages maximum
Reserving Send Jobs	Fax	64 jobs

Relationship between Original Orientation and Preprinted Paper Output Chart

Please use this chart when printing on preprinted paper (i.e., paper with logos or letterheads).

NOTE

If you want to copy on the back side of preprinted paper, place the side you want to copy on:

- face up when using a paper drawer
- face down when using the multi-purpose tray or the Paper Deck Unit-B1

● If You Want to Set Right Side Stapling:

Settings \ Staple Position / Output Example		Corner: Top Right Double: Right A4, B5	Corner: Top Right Double: Top A3, B4, A4R	Corner: Top Right A4	Corner: Top Right Double: Right A3, B4, A4R
Preprinted Paper	Paper drawer Preprinted side: Face up				
Preprinted Paper	Multi-purpose tray/ paper deck Preprinted side: Face down				
Original	Platen glass Original side: Face down				
Original	Staple position	Corner: Top Right Double: Right	Corner: Top Right Double: Right	Corner: Top Right	Corner: Top Right Double: Right
Original	Feeder Original side: Face up				
Original	Staple position	Corner: Top Right Double: Right	Corner: Bottom Right Double: Right	Corner: Top Right	Corner: Top Right Double: Right
Auto Orientation Setting		Either On or Off	Either On or Off	Either On or Off (Set to 'On' when paper orientation in the paper deck/multi-purpose tray/ paper drawer is vertical.)	Either On or Off

● If You Want to Set Left Side Stapling:

Settings \ Staple Position / Output Example		Corner: Top Left Double: Left	Corner: Top Left Double: Top	Corner: Top Left	Corner: Top Left Double: Left
		A4, B5	A3, B4, A4R	A4	A3, B4, A4R
Preprinted Paper	Paper drawer Preprinted side: Face up				
Preprinted Paper	Multi-purpose tray/ paper deck Preprinted side: Face down				
Original	Platen glass Original side: Face down				
Original	Staple position	Corner: Top Left Double: Left	Corner: Top Right Double: Right	Corner: Top Left	Corner: Top Left Double: Left
Original	Feeder Original side: Face up				
Original	Staple position	Corner: Top Left Double: Left	Corner: Top Right Double: Right	Corner: Top Right	Corner: Top Right Double: Right
Auto Orientation Setting		Either On or Off	Either On or Off	Either On or Off (Set to 'On' when paper orientation in the paper deck/multi-purpose tray/ paper drawer is vertical.)	Either On or Off

● If You Do Not Want to Set the Staple Mode:

Settings \ Output Example		A4, B5	A3, B4, A4R	A4	A3, B4, A4R
Preprinted Paper	Paper drawer Preprinted side: Face up				
	Multi-purpose tray/ paper deck Preprinted side: Face down				
Original	Platen glass Original side: Face down				
	Feeder Original side: Face up				
Auto Orientation Setting		Either On or Off (Set to 'On' when paper orientation in the paper deck/multi-purpose tray/paper drawer is horizontal.)	Either On or Off	Either On or Off (Set to 'On' when paper orientation in the paper deck/multi-purpose tray/ paper drawer is vertical.)	Either On or Off

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