

Network Setup Troubleshooting



Network Setup Troubleshooting

This manual mainly describes problems you may encounter when setting up a network, and the possible causes and solutions.

Find a description related to your problem and follow the solution.

If you cannot find a description for your problem or if you encounter a problem after setup, refer to the onscreen manual: **Basic Guide/Advanced Guide**.

	· ·

Names of functions, etc. may differ from this manual depending on your network device (router, access point, etc.) or application software.

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Failed to connect to the access point. is Displayed	\Rightarrow P.2
Access point was not detected is Displayed	\Rightarrow P.3
Multiple access points with the same name exist. is Displayed	\Rightarrow P.3
WPS Settings	
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The following symbols are used in this manual.



Instructions as notes for operation or additional explanations.



Description for Windows users.



Description for Macintosh users.

('⁽) Description for wireless connection.

Description for wired connection.

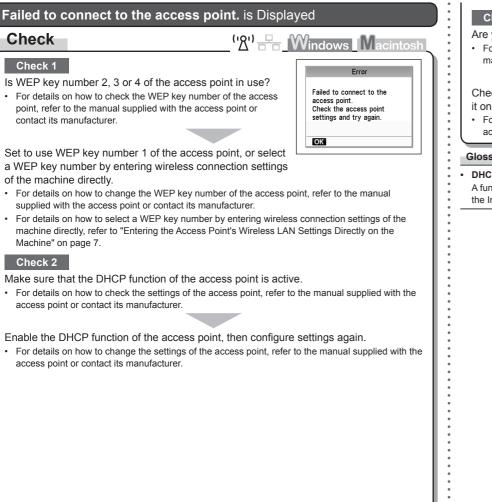
Easy Settings Check 4 Is the MAC address filtering enabled on the access point? The Target Access Point is Not Displayed (Detected) · For details on how to check the settings of the access point, refer to the manual supplied with the access point or contact its manufacturer. Check ('\%') The Windows Macintosh Set the access point to accept the MAC address of the Check 1 **& Wireless LAN setting list** 🚯 Select access point machine Make sure that you follow Check 1, 2, 5 and 6 of Directly enter the access · For details on how to change the settings of the access point, MAC address point name "Connection Checklist" on page 11, then press the left refer to the manual supplied with the access point or contact its FUNCTION button (A) on the machine to search for the Printer name manufacturer. Canon Printer access point again. To check the MAC address of the machine, press the HOME . Boniour service name button, then using the Easy-Scroll Wheel and OK button, select Canon Printer 01 Check 2 . Search again Settings > Device settings > LAN settings > Confirm LAN Unplug the access point from the power outlet and plug it in, settings > Wireless LAN setting list, then check MAC address. wait for a while, then press the left FUNCTION button (A) on Check 5 the machine to search for the access point again. Is "WPA/WPA2 Enterprise" set as a security protocol (encryption standard) on the Check 3 access point? Is SSID broadcast (connection via "ANY" SSID, etc.) disabled or is the stealth mode enabled on the access "WPA/WPA2 Enterprise" is not supported on the machine. point? Change the security protocol (encryption standard) for the access point, then configure For details on how to check the settings of the access point, settings again. refer to the manual supplied with the access point or contact its For details on how to change the security protocol (encryption standard) for the access point, refer manufacturer. to the manual supplied with the access point or contact its manufacturer. · For the procedure to configure settings of the machine, refer to "Wireless Setup" on page 23 in the Enable SSID broadcast (connection via "ANY" SSID, etc.) printed manual: Getting Started. or disable the stealth mode, then press the left FUNCTION button (A) on the machine to search for the access point Glossary again. SSID · For details on how to change the settings of the access point, refer to the manual supplied with the An identifier to identify the specific access point. access point or contact its manufacturer. SSID broadcast To establish a connection without changing the access point settings, refer to "Entering An access point's periodic transmission of a signal revealing its SSID. the Access Point's Wireless LAN Settings Directly on the Machine" on page 7.

- Stealth mode
- A function to hide SSID in wireless connection.
- MAC address

A unique number assigned to each network device.

MAC address filtering

A function to block access from unauthorized wireless devices by saving the MAC addresses of specific wireless devices (computers, printers, etc.) to the access point beforehand.



Check 3

Are you using an access point that automatically creates WEP keys?

· For details on the access point, refer to the manual supplied with the access point or contact its manufacturer.

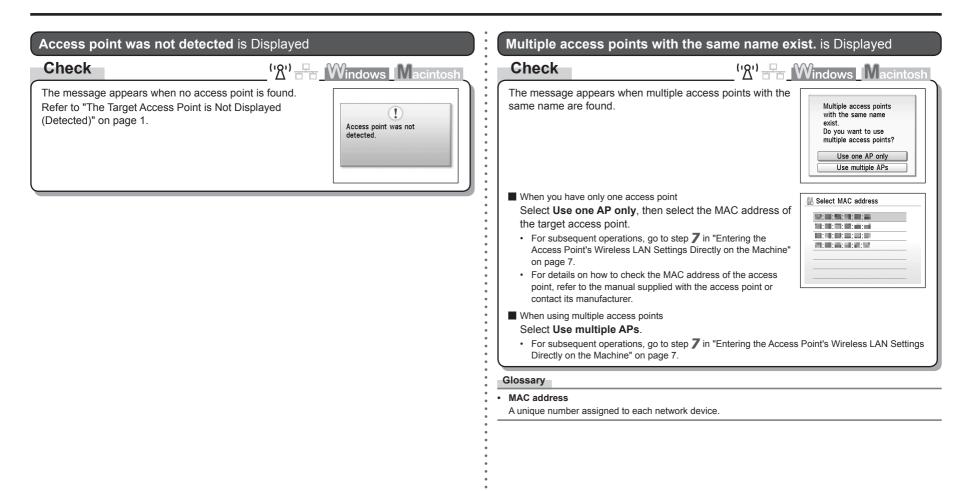
Check the WEP key (hexadecimal) created automatically on the access point, then enter it on the machine

· For details on how to check the WEP key of the access point, refer to the manual supplied with the access point or contact its manufacturer.

Glossary

DHCP function

A function that automatically assigns required information (IP address, etc.) to computers connected to the Internet.



Problems during Software Installation

WPS Settings The Machine is Not Displayed (Detected) Check (''&') 古古 Windows Macintos Cannot connect. Multiple access points are enabled. is Displayed Windows Action ('\&') = Windows Macintosh А and the Select the printer to be used The message appears when multiple access points are Frror detected Wait for a while, then configure the settings again. Cannot connect. Multiple access points are enabled Check the printe OK Help <Back Next > Cancel Cancel Nex Check 1 Connection failed. is Displayed For a wireless connection, make sure that you follow Check 1, 2, 3, 4, 5 and 6 of "Connection Checklist" on page 11, then click Update (A). Check ('R') - Windows Macintosh For a wired connection, make sure that you follow Check 1, 2, 3, 7 and 8 of "Connection Checklist" on page 11, then click Update (A). The message appears when an error occurs. Error Check the access point settings, then configure WPS Check 2 settings again. Connection failed. See the manual. Is the machine connected to a network? · For details on how to check the settings of the access point, For details on how to check if the machine is connected to a network, refer to "Confirm Connection refer to the manual supplied with the access point or contact its Status" on page 33 in the printed manual: Getting Started. manufacturer. · For the procedure to configure WPS settings of the machine, refer OK to "Wireless Setup Using WPS (Wi-Fi Protected Setup)" on page If the machine is not connected to a network, perform setup again by following the 27 in the printed manual: Getting Started. procedures in "Wireless Setup" on page 23 and onward or "Wired Setup" on page 30 · When using an access point that does not support WPS, configure settings manually. For the and onward in the printed manual: Getting Started. procedure to configure settings of the machine manually, refer to "Wireless Setup" on page 23 in the printed manual: Getting Started. Check 3 Is the IP filtering feature enabled on the network device (router, access point, etc.)? · For details on how to check settings of the network device, refer to the manual supplied with the network device or contact its manufacturer. Set the network device to accept the IP address of the machine.

- For details on how to change settings of the network device, refer to the manual supplied with the network device or contact its manufacturer.
- To check the IP address of the machine, press the HOME button, then using the Easy-Scroll Wheel and OK button, select Settings > Device settings > LAN settings > Confirm LAN settings > Wireless LAN setting list or Wired LAN setting list, then check IP address.

Check 4

When obtaining an IP address automatically, make sure that the DHCP function of the network device (router, access point, etc.) is active.

 For details on how to check settings of the network device, refer to the manual supplied with the network device or contact its manufacturer.

Activate the DHCP function of the network device, then click Update (A).

· For details on how to change settings of the network device, refer to the manual supplied with the network device or contact its manufacturer.

Check 5 (* Wireless connection only)

Is the privacy separator feature enabled on the access point?

· For details on how to check the settings of the access point, refer to the manual supplied with the access point or contact its manufacturer.

Disable the privacy separator feature.

· For details on how to change the settings of the access point, refer to the manual supplied with the access point or contact its manufacturer.

Glossary

- IP address filtering
- A function to control traffic to/from specific IP addresses
- DHCP function

A function that automatically assigns required information (IP address, etc.) to computers connected to the Internet.

Privacy separator feature

A function to prevent communication between multiple wireless devices connected to an access point.

Check Printer Settings dialog box is displayed

Check



Cancel

The message appears when the machine cannot be detected.

Check 1

For a wireless connection, make sure that you follow Check 1. 2. 3. 4. 5 and 6 of "Connection Checklist" on page 11, then click Back (A).

For a wired connection, make sure that you follow Check 1, 2, 3, 7 and 8 of "Connection Checklist" on page 11, then click Back (A).

Proceed with the setup.

Check 2

Is the machine connected to a network?

· For details on how to check if the machine is connected to a network, refer to "Confirm Connection Status" on page 33 in the printed manual: Getting Started.

If the machine is not connected to a network, perform setup again by following the procedures in "Wireless Setup" on page 23 and onward or "Wired Setup" on page 30 and onward in the printed manual: Getting Started.

Check 3

Is the IP filtering feature enabled on the network device (router, access point, etc.)?

· For details on how to check settings of the network device, refer to the manual supplied with the network device or contact its manufacturer.

Set the network device to accept the IP address of the machine.

- · For details on how to change settings of the network device, refer to the manual supplied with the network device or contact its manufacturer.
- To check the IP address of the machine, press the HOME button, then using the Easy-Scroll Wheel and OK button, select Settings > Device settings > LAN settings > Confirm LAN settings > Wireless LAN setting list or Wired LAN setting list, then check IP address.

Other Troubleshooting Tips

Check 4

When obtaining an IP address automatically, make sure that the DHCP function of the network device (router, access point, etc.) is active.

 For details on how to check settings of the network device, refer to the manual supplied with the network device or contact its manufacturer.

Activate the DHCP function of the network device, then click Back (A).

· For details on how to change settings of the network device, refer to the manual supplied with the network device or contact its manufacturer.

Check 5 (* Wireless connection only)

- Is the privacy separator feature enabled on the access point?
- · For details on how to check the settings of the access point, refer to the manual supplied with the access point or contact its manufacturer.

Disable the privacy separator feature.

· For details on how to change the settings of the access point, refer to the manual supplied with the access point or contact its manufacturer.

Glossary

- IP address filtering
- A function to control traffic to/from specific IP addresses
- DHCP function

A function that automatically assigns required information (IP address, etc.) to computers connected to the Internet.

· Privacy separator feature

A function to prevent communication between multiple wireless devices connected to an access point.

Forgotten or Do Not Know the Access Point Name/Network Name (SSID), Security Protocol (encryption standard), and Network Key

Check



Check the access point settings.

 For details on how to check the settings of the access point, refer to the manual supplied with the access point or contact its manufacturer.

The Machine is Not Detected after the Network Environment is Changed





Wait until the IP address is assigned to the computer. You may need to restart your computer.

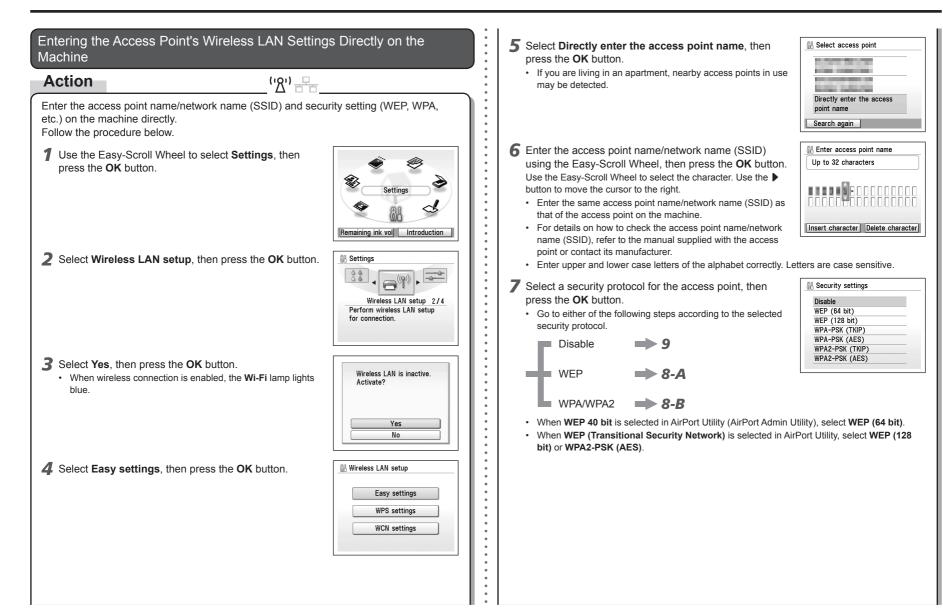
· Search for the machine again after confirming a valid IP address is assigned to the computer.

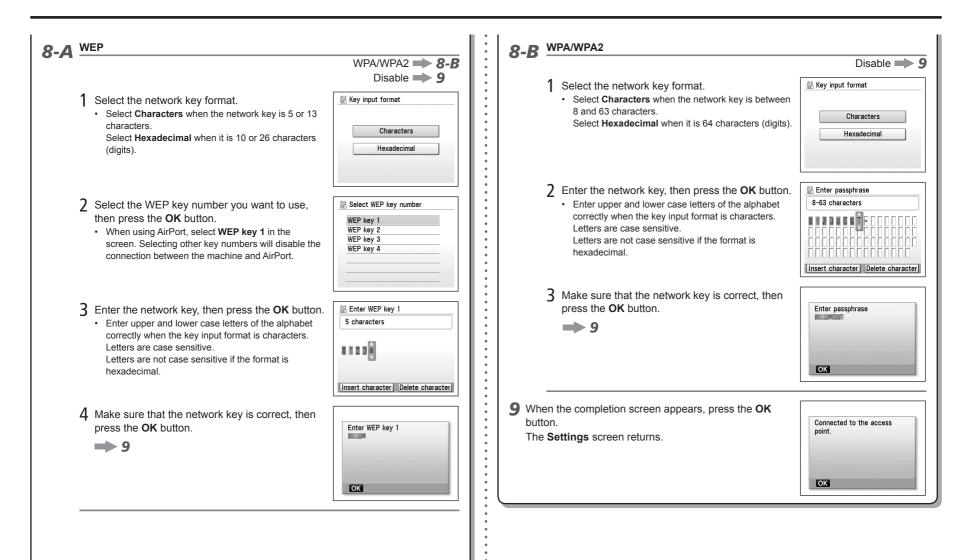
Glossary

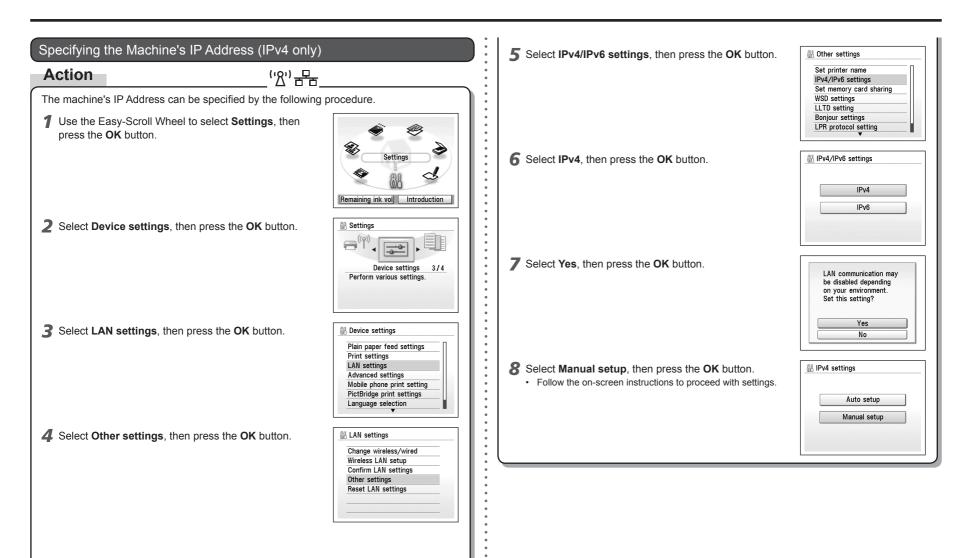
IP address

A numerical identification assigned to each computer or network device connected to a network.

Reference Information



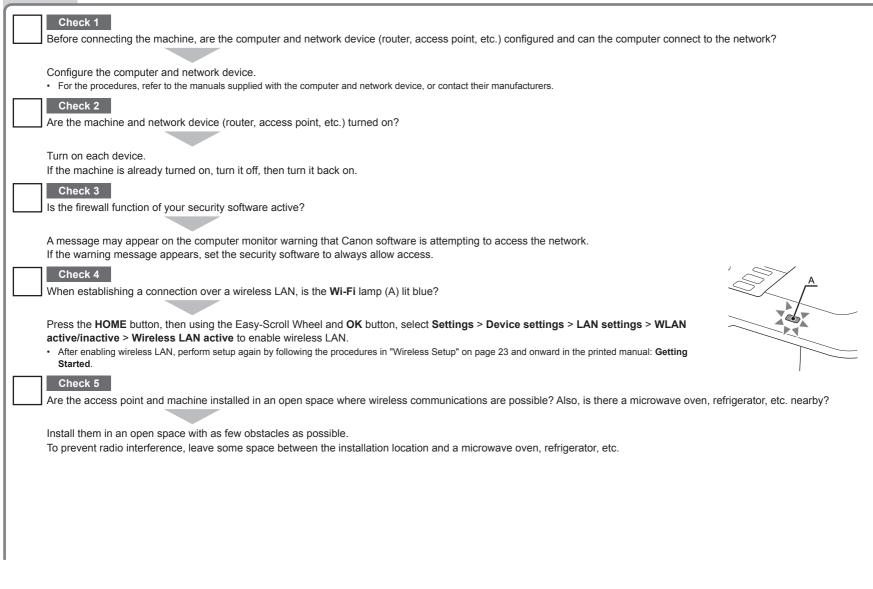




Restoring the Machine's Default LAN Settings to Action	Perform Setup Again		5 Select Yes , then press	the OK button.	Do you want to restore LAN settings to the factory settings?
Follow the procedure below to restore LAN settings of the m	achine to the default state.	•			
1 Use the Easy-Scroll Wheel to select Settings , then press the OK button.	Settings Settings Remaining ink vol Introduction	• • • • • • • •	 6 Make sure that the scr • After a while, the LAN 	een shown to the right appears. settings screen returns.	Yes No Following is completed. Reset LAN settings
2 Select Device settings, then press the OK button.	Settings Device settings 3/4 Perform various settings.		Perform setup again by fol	ne is now restored to the default state. owing the procedures in "Wireless Setu and onward in the printed manual: Gett	
		< <u> </u>	Default State>		
3 Select LAN settings, then press the OK button.	🕅 Device settings	N N	vireless LAN	Inactive	
	Plain paper feed settings		SSID	BJNPSETUP	
	Print settings LAN settings	:	Data encryption	Inactive	
	Advanced settings Mobile phone print setting PictBridge print settings Language selection		TCP/IP setting	Obtain an IP address automaticall	у
		N	Vired LAN	Inactive	
		: L	TCP/IP setting	Obtain an IP address automaticall	У
4 Select Reset LAN settings , then press the OK button.	Image wireless/wired Wireless LAN setup Confirm LAN settings Other settings Reset LAN settings				

Connection Checklist

Check



11

Set the access point to operate in IEEE802.11b or IEEE802.11g (2.4 GHz). • For details on how to change the operating mode of the access point, refer to the manual supplied with the access point or contact its manufacturer. Check 7 When establishing a connection over a wired LAN, is wired LAN enabled? Perform setup by following the procedures in "Wired Setup" on page 30 and onward in the printed manual: Getting Started. Check 8 When using a router, are the Ethernet cables of the printer and computer connected to the LAN side of the router? • For details on how to check the connection, refer to the manual supplied with the router or contact its manufacturer. If the Ethernet cable is connected to the WAN side of the router, connect it to the LAN side.		Check 6 Is the access point operating in IEEE802.11b or IEEE802.11g (2.4 GHz)? • For details on how to check the operating mode of the access point, refer to the manual supplied with the access point or contact its manufacturer.
When establishing a connection over a wired LAN, is wired LAN enabled? Perform setup by following the procedures in "Wired Setup" on page 30 and onward in the printed manual: Getting Started. Check 8 When using a router, are the Ethernet cables of the printer and computer connected to the LAN side of the router? • For details on how to check the connection, refer to the manual supplied with the router or contact its manufacturer. If the Ethernet cable is connected to the WAN side of the router, connect it to the LAN side.		
Check 8 When using a router, are the Ethernet cables of the printer and computer connected to the LAN side of the router? • For details on how to check the connection, refer to the manual supplied with the router or contact its manufacturer. If the Ethernet cable is connected to the WAN side of the router, connect it to the LAN side.		
 When using a router, are the Ethernet cables of the printer and computer connected to the LAN side of the router? For details on how to check the connection, refer to the manual supplied with the router or contact its manufacturer. If the Ethernet cable is connected to the WAN side of the router, connect it to the LAN side. 	1	Perform setup by following the procedures in "Wired Setup" on page 30 and onward in the printed manual: Getting Started.
		When using a router, are the Ethernet cables of the printer and computer connected to the LAN side of the router?
If the Ethermotic school is been a second of the second school is the se	1	If the Ethernet cable is connected to the WAN side of the router, connect it to the LAN side.
IT THE ETHERNET CABLE IS 100SE, CONNECT IT PROPERLY.		If the Ethernet cable is loose, connect it properly.
For the connection procedure, refer to the manual supplied with the router or contact its manufacturer.	l	 For the connection procedure, refer to the manual supplied with the router or contact its manufacturer.

Firewall

A security measure to protect computers connected to the Internet and corporate networks against unauthorized external access.

Specifications

General Specifications		
Printing resolution (dpi)	9600* (horizontal) x 2400 (vertical) * Ink droplets can be placed with a pitch of 1/9600 inch at minimum.	
Interface	USB Port: Hi-Speed USB*1 Direct Print Port: PictBridge IrDA IR*2 Bluetooth v2.0 (Option)*3 *4 *5 USB flash drive LAN Port: Wired LAN: 100BASE-TX/10BASE-T Wireless LAN: IEEE802.11b/IEEE802.11g*6 *1 A computer that complies with Hi-Speed USB standard is required. Since the Hi-Speed USB interface is fully upwardly compatible with USB 1.1, it can be used at USB 1.1. *2 Maximum speed: 4 Mbps Operating range: within 20 cm *3 Maximum speed: 1.44 Mbps	
Print width	 *5 Bluetooth connection is for printing only. *6 Setup possible through WPS (Wi-Fi Protected Setup) settings, WCN (Windows Connect Now) settings or Easy settings. 8 inches/203.2 mm 	
	(for Borderless Printing: 8.5 inches/216 mm)	
Operating environment	Temperature: 5 to 35°C (41 to 95°F) Humidity: 10 to 90% RH (no condensation)	
Storage environment	Temperature: 0 to 40°C (32 to 104°F) Humidity: 5 to 95% RH (no condensation)	
Power supply	AC 100-240 V, 50/60 Hz	
Power consumption	Printing (Copy): Approx. 23 W Standby (minimum): Approx. 1.7 W* OFF: Approx. 0.9 W* * USB connection to PC	
External dimensions	Approx. 18.5 (W) x 15.2 (D) x 7.9 (H) inches Approx. 470 (W) x 385 (D) x 199 (H) mm * With the Paper Support and Paper Output Tray retracted.	
Weight	Approx. 10.7 kg (Approx. 23.6 lb) * With the Print Head and ink tanks installed.	
Print Head/Ink	Total 6,144 nozzles (PgBK 512 nozzles, Y/DyeBK each 512 nozzles, C/M/Gy each 1,536 nozzles)	

	Copy Specifications
Multiple copy	Max 99 pages
Intensity adjustment	9 positions, Auto intensity (AE copy)
Reduction/ Enlargement	25% - 400% (1% unit)
	Scan Specifications
Scanner driver	TWAIN/WIA (Windows Vista and Windows XP only)
Maximum scanning size	A4/Letter, 8.5" x 11.7"/216 x 297 mm
Scanning resolution	Optical resolution (horizontal x vertical) max: 4800 dpi x 9600 dpi Interpolated resolution max: 19200 dpi x 19200 dpi
Gradation (Input/ Output)	Gray: 48 bit/8 bit (Film Scan: 48 bit/16 bit or 8 bit) Color: 48 bit/24 bit (RGB each 16 bit/8 bit) (Film scan: 48 bit/48 bit or 24 bit)
	Network Specifications
Communication protocol	TCP/IP
Wireless LAN	Supported Standards: IEEE802.11g/IEEE802.11b Transfer speed: IEEE802.11g: 6/9/12/18/24/36/48/54 Mbps IEEE802.11g: 1/2/5.5/11 Mbps Frequency bandwidth*1: 2.412 GHz-2.462 GHz or 2.412 GHz-2.472 GHz Channel*1: 1-11 or 1-13 Communication distance: Indoors 50 m*2 Security: Encryption by WPA-PSK, WPA2-PSK, or WEP (64/128 bits), and access control by passwords
	 *1 Frequency bandwidth and available channels differ depending on country or region. *2 Effective range varies depending on the installation environment and location.
Wired LAN	Supported Standards: IEEE802.3u (100BASE-TX)/ IEEE802.3 (10BASE-T) Transfer speed: 10 M/100 Mbps (auto switching)

	Minimum System Requi	irements		
E Conform to the operating system's requirements when higher than those given here.				
Windows Macintosh				
Operating System Processor RAM Windows Vista, Vista SP1 1 GHz processor S12 MB Mac OS X v.10.5 Intel processor, PowerPC G PowerPC G4 (867 MHz or faster) S12 MB				
Windows XP SP2, SP3 300 MHz processor 128 MB MB MB Mac OS X v.10.4 Intel processor, PowerPC G5, PowerPC G4, PowerPC G3 256 MB				
Windows 2000 Professional SP4 300 MHz processor 128 MB Xe CS X v.10.3.9 PowerPC G5, PowerPC G4, PowerPC G3 128 MB				
Browser Internet Explorer 6 or later Safari				
Hard Disk Space 750 MB Note: For bundled software Note: For bundled software installation.				
CD-ROM Drive Required				
Display XGA 1024 x 768				
 Easy-PhotoPrint Pro is a software plug-in for Canon Digital Photo Professional Ver. 2.1 or later, Adobe Photoshop CS4, CS3, CS2, CS and Adobe Photoshop Elements 6 and 7*. *Windows only. Internet Explorer 6 SP1 or later is required for PhotoStudio. Windows: Operation can only be guaranteed on a PC with Windows Vista, XP or 2000 pre-installed. To upgrade from Windows XP to Windows Vista, first uninstall software bundled with the Canon inkjet printer. Some functions may not be available with Windows Media Center. Macintosh: Hard Disk must be formatted as Mac OS Extended (Journaled) or Mac OS Extended. Internet Explorer 7 or later is required to install Easy-WebPrint EX. 				

Additional System Requirements for the On-Screen Manuals

Windows	Macintosh
be installed. The on-screen manual may not be displayed properly depending on your operating system or Internet Explorer	Browser: Easy Guide Viewer Note: The on-screen manual may not be displayed properly depending on your operating system or Safari version. We recommend that you keep your system up to date.

Specifications are subject to change without notice.

About Consumables

Consumables (ink tanks / FINE Cartridges) are available for 5 years after production has stopped.

Canon