Operating Instructions

Driver Installation Guide

For safe and correct use, be sure to read the Safety Information in "Read This First" before using the machine.

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1. Introduction

This chapter explains the software included on the supplied CD-ROM.

Start Installer

To connect this machine to a client computer and use its printer, scanner, and fax functions, the software included on the provided CD-ROM must be installed on the client computer.

The installer starts automatically when you insert the provided CD-ROM into the CD-ROM drive of a client computer running under Windows or Windows Server. You can then install the various software included on the CD-ROM.

The contents (display item) of the installer are as follows:

USB Quick Install

Install the PCL 6 printer driver, and configure the PC to establish a connection with a printer using USB.

For details, see page 14 "Quick Install for USB".

Network Quick Install

Install the PCL 6 printer driver, and configure the Standard TCP/IP port to establish a connection with a network printer.

For details, see page 15 "Quick Install for Network".

PCL Printer Driver

Installs the PCL 6 and/or PCL 5e printer drivers.

For details about installing the driver, see page 16 "Installing the Printer Driver for a Network Connection" or page 29 "Installing the Printer Driver for a Local Connection".

PostScript 3 Printer Driver

Install the PostScript 3 printer driver.

For details about installing the driver, see page 16 "Installing the Printer Driver for a Network Connection" or page 29 "Installing the Printer Driver for a Local Connection".

LAN-Fax Driver

This software enables you to fax documents directly from your computer. Address Book and LAN-Fax Cover Sheet Editor will also be installed.

For details about installing the driver, see page 45 "Installing the LAN-Fax Driver".

TWAIN Driver

This software enables you to utilize image data from other TWAIN compliant applications.

For details about installing the driver, see page 43 "Installing the TWAIN Driver".

Font Manager

This software enables you to use screen fonts.

For details about installing the software, see page 42 "Installing Font Manager".

Select Language

Change the interface language.

Browse This CD-ROM

Browse the contents of this CD-ROM.

Readme

Display the Readme file.

Driver Installation Guide

Display the Driver Installation Guide.

Exit

Quit Installer.

Note

- Manage Printers permission is required to install the driver. Log on as an Administrators group member.
- Auto Run might not work automatically with certain OS settings. If this is the case, double-click "SETUP.EXE", located on the CD-ROM root directory, or click [Run SETUP.EXE] in the [AutoPlay] dialog box.
- If you want to cancel Auto Run, hold down the left [Shift] key while inserting the CD-ROM. Keep the [Shift] key held down until the computer stops reading the CD-ROM.

Software and Utilities Included on the CD-ROM

This section explains the software and utilities CD-ROM provided with this machine.

Note

- For the latest information on the corresponding operating system, see "Readme.txt" file in the root directory of the CD-ROM drive.
- For the latest information on Windows terminal service, Citrix Presentation Server, and Citrix Xen App, see the manufacturer's Web site.

Printer Drivers

Printing requires installation of a printer driver for your operating system. The following drivers are included on the CD-ROM.

Operating System *1	Printer Language		
	PCL 5e	PCL 6	PostScript 3
Windows XP *2	OK	OK	OK
Windows Vista *3	OK	OK	OK
Windows 7 *4	OK	OK	OK
Windows 8 *5	OK	OK	OK
Windows 8.1 *6	OK	OK	OK
Windows Server 2003 *7	OK	OK	OK
Windows Server 2008 *8	OK	OK	OK
Windows Server 2012 *9	OK	OK	OK
Mac OS X *10	–	–	OK

*1 Windows operating system supports both versions (32/64 bit)

*2 Microsoft Windows XP Professional Edition/Microsoft Windows XP Home Edition

*3 Microsoft Windows Vista Ultimate/Microsoft Windows Vista Enterprise/Microsoft Windows Vista Business/Microsoft Windows Vista Home Premium/Microsoft Windows Vista Home Basic

*4 Microsoft Windows 7 Home Premium/Microsoft Windows 7 Professional/Microsoft Windows 7 Ultimate/Microsoft Windows 7 Enterprise

*5 Microsoft Windows 8/Microsoft Windows 8 Pro/Microsoft Windows 8 Enterprise

*6 Microsoft Windows 8.1/Microsoft Windows 8.1 Pro/Microsoft Windows 8.1 Enterprise

*7 Microsoft Windows Server 2003 Standard Edition/Microsoft Windows Server 2003 Enterprise Edition/Microsoft Windows Server 2003 R2 Standard Edition/Microsoft Windows Server 2003 R2 Enterprise Edition

*8 Microsoft Windows Server 2008 Standard/Microsoft Windows Server 2008 Enterprise/Microsoft Windows Server 2008 R2 Standard/Microsoft Windows Server 2008 R2 Enterprise

*9 Microsoft Windows Server 2012 Foundation/Microsoft Windows Server 2012 Essentials/Microsoft Windows Server 2012 Standard/Microsoft Windows Server 2012 Datacenter/Microsoft Windows Server 2012 R2 Foundation/Microsoft Windows Server 2012 R2 Essentials/Microsoft Windows Server 2012 R2 Standard/Microsoft Windows Server 2012 R2 Datacenter

*10 Mac OS X 10.5 or later

PCL printer drivers

Two kinds of PCL printer driver (PCL 5e and PCL 6) are included. These drivers allow your computer to communicate with this machine via a printer language.

Adobe® PostScript® printer driver and PPD files

Adobe PostScript printer driver allows the computer to communicate with the printer using a printer language. PPD files allow the printer driver to enable specific printer functions.

Depending on the machine you are using, PostScript 3 unit must be installed.

Note

- Some applications may require installation of the PCL 5e printer driver. In this case, you can install PCL 5e without having to install PCL 6.
- For details about installing the driver, see page 16 "Installing the Printer Driver for a Network Connection" or page 29 "Installing the Printer Driver for a Local Connection".

Supported languages

The languages supported in each printer driver are as follow:

Supported languages	Printer Language			
	PCL 5e *1	PCL 6 *2	PostScript 3 *2	PPD (Mac OS X)
English	○	○	○	○
German	○	○	○	○
French	○	○	○	○
Italian	○	○	○	○
Spanish	○	○	○	○

Supported languages	Printer Language			
	PCL 5e *1	PCL 6 *2	PostScript 3 *2	PPD (Mac OS X)
Dutch	○	○	○	○
Swedish	○	○	○	○
Norwegian	○	○	○	○
Danish	○	○	○	○
Finnish	○	○	△	△
Hungarian	○	○	△	△
Czech	○	○	△	△
Polish	○	○	△	△
Portuguese	○	○	△	△
Russian	○	○	△	△
Catalan	○	○	△	△
Turkish	○	○	△	△
Brazilian Portuguese	△	○	△	△
Greek	△	○	△	△

○: Supported

△: Supported, but the printer language is displayed in English

*1 The PCL 5e printer driver does not support Brazilian Portuguese and Greek. Use the English version of the driver.

*2 The PCL 6 and PostScript 3 printer drivers use the same interface language as the one specified by your operating system. However, the PostScript 3 printer will be displayed in English if your operating system uses one of the following languages: Finnish, Hungarian, Czech, Polish, Portuguese, Russian, Catalan, Turkish, Brazilian Portuguese, Greek.

TWAIN Driver

This driver is required to scan an original using a scanner. To use the machine as a network TWAIN scanner, this driver must be installed.

File path

The driver is included in the following folder on the CD-ROM:

\X86\DRIVERS\TWAIN

System requirements

- Hardware

  PC/AT-compatible machines that support the following operating system properly

- Operating system *1

  Windows XP/Vista/7/8/8.1

  Windows Server 2003/2003 R2/2008/2008 R2/2012/2012 R2

  *1 TWAIN scanner runs on a 64-bit operating system, but is not compatible with 64-bit applications. Use it with 32-bit applications.

- Display resolution

  800 × 600 pixels, 256 colors or higher

Supported languages

The TWAIN driver uses the same interface language as the one specified by your operating system.

Note

- For details about installing the driver, see page 43 "Installing the TWAIN Driver".

LAN-Fax Driver

This driver is required to use LAN-Fax functions.

File path

The driver is included in the following folder on the CD-ROM:

- 32-bit driver

  \X86\DRIVERS\LAN-FAX\XP_VISTA

- 64-bit driver

  \X64\DRIVERS\LAN-FAX\X64

System requirements

- Hardware

  PC/AT-compatible machines that support the following operating system properly

- Operating systems

  Windows XP/Vista/7/8/8.1

  Windows Server 2003/2003 R2/2008/2008 R2/2012/2012 R2

- Display

  VGA 640 × 480 pixels or more

Supported languages

The interface language is supported in the language specified when installing driver.

Note

- For details about installing the driver, see page 45 "Installing the LAN-Fax Driver".

Font Manager

For installing new screen fonts, or organizing and managing fonts already in the system. For details about Font Manager, see the manual on the CD-ROM.

File path

The software is included in the following folder on the CD-ROM:

\FONTMAN\DISK1

Note

- For details about installing the software, see page 42 "Installing Font Manager".

For Mac OS X Users

If you are using Mac OS X, the following limitations apply to each function:

- When using the scanner function, the TWAIN driver cannot be used.
- When using the fax function, the LAN-Fax driver cannot be used.
- When using the printer function, use the printer driver for Mac OS X.

  For details, see page 59 "Installing the Printer Driver Under Mac OS X".

2. Installing the Printer Driver

This chapter explains how to install and configure the printer drivers for use on the Windows operating system.

Confirming the Connection Method

This machine supports network and local connection.

Before installing the printer driver, check how the machine is connected. Follow the driver installation procedure that is appropriate to the connection method.

Network Connection

This machine can be used as a Windows printing port or network printer.

Using the Windows printing port

Network connections can be established over Ethernet and Wireless LAN.

Available ports are determined based on the combination of Windows operating system version and connection method used.

Windows XP, Windows Server 2003/2003 R2

Connection Method	Available Ports
• Ethernet • Wireless LAN	• Standard TCP/IP port • IPP port • LPR port • SmartDeviceMonitor for Client port

Windows Vista/7/8/8.1, Windows Server 2008/2008 R2/2012/2012 R2

Connection Method	Available Ports
• Ethernet • Wireless LAN	• Standard TCP/IP port • IPP port • LPR port • WSD port • SmartDeviceMonitor for Client port

Note

- For details about how to install the printer driver for each type of port, see page 16 "Installing the Printer Driver for the Selected Port".

Using as a network printer

This machine can be used as a remote printer using the Windows or NetWare print server function.

Client OS	Using Server
• Windows XP • Windows Server 2003/2003 R2	• Windows XP print server • Windows Vista print server • Windows 7 print server • Windows 8 print server • Windows 8.1 print server • Windows Server 2003/2003 R2 print server • Windows Server 2008/2008 R2 print server • Windows Server 2012/2012 R2 print server • NetWare print server (using IPv4 only) • NetWare file server (using IPv4 only)
• Windows Vista • Windows 7 • Windows 8 • Windows 8.1 • Windows Server 2008/2008 R2 • Windows Server 2012/2012 R2	• Windows XP print server • Windows Vista print server • Windows 7 print server • Windows 8 print server • Windows 8.1 print server • Windows Server 2003/2003 R2 print server • Windows Server 2008/2008 R2 print server • Windows Server 2012/2012 R2 print server

Note

- For details about how to install the printer driver to print server, see page 25 "Using as a Network Printer".

Local Connection

Local connections can be established over USB, parallel, and Bluetooth.

Note

- For details about how to install the printer driver for each method of connections, see page 29 "Installing the Printer Driver for a Local Connection".

Quick Install for USB

You can install the printer drivers easily from the CD-ROM provided with this machine.

Using USB Quick Install, the PCL 6 printer driver is installed for use with a USB connection with the printer.

Important

- **Manage Printers permission is required to install the drivers. Log on as an Administrators group member.**

1. **Quit all applications. (Do not close this manual.)**
2. **Insert the provided CD-ROM into the computer's CD-ROM drive.**

   If the [AutoPlay] dialog box appears, click [Run SETUP.EXE].
3. **Select an interface language, and then click [OK].**

   For details about the languages supported in the printer drivers, see page 6 "Supported languages".
4. **Click [USB Quick Install].**
5. **The software license agreement appears in the [License Agreement] dialog box. After reading the agreement, click [I accept the agreement.], and then click [Next].**
6. **Select the method to install a printer driver, and then click [Next].**
7. **Select the machine model you want to use, and then click [Next].**
8. **Make sure the machine is turned off and not connected to the computer, and then click [Next].**

   Wait for a moment until file copying is complete.
9. **Connect the machine and the computer with a USB cable, and then turn on the machine.**

   The auto-detecting starts.

   To cancel the auto-detecting, click [Stop Auto-detecting].
10. **In the confirmation dialog box, select [Yes] if you want to use the machine as your default printer.**
11. **Click [Finish].**

    When you are prompted to restart your computer, restart it by following the instructions that appear.
12. **Click [Exit] in the first window of the installer, and then take out the CD-ROM.**

Quick Install for Network

You can install the printer drivers easily from the CD-ROM provided with this machine.

Using Network Quick Install, the PCL 6 printer driver is installed under network environment, and the Standard TCP/IP port will be set.

Important

- **Manage Printers permission is required to install the drivers. Log on as an Administrators group member.**

1. **Quit all applications. (Do not close this manual.)**
2. **Insert the provided CD-ROM into the computer's CD-ROM drive.**

   If the [AutoPlay] dialog box appears, click [Run SETUP.EXE].
3. **Select an interface language, and then click [OK].**

   For details about the languages supported in the printer drivers, see page 6 "Supported languages".
4. **Click [Network Quick Install].**
5. **The software license agreement appears in the [License Agreement] dialog box. After reading the agreement, click [I accept the agreement.], and then click [Next].**
6. **After confirming you are ready to connect to the printer network, click [Next] in the [Confirm Network Connection] dialog box.**
7. **Select the machine model you want to use in the [Select Printer] dialog box.**
8. **Click [Install].**
9. **Configure the user code, default printer, and shared printer as necessary.**
10. **Click [Continue].**

    The installation starts.

    If the [User Account Control] dialog box appears, and then click [Yes] or [Continue].
11. **Click [Finish].**

    When you are prompted to restart your computer, restart it by following the instructions that appear.
12. **Click [Exit] in the first window of the installer, and then take out the CD-ROM.**

Installing the Printer Driver for a Network Connection

This section describes the installation procedure of the printer drivers for network connection.

Important

- **Manage Printers permission is required to install the driver. Log on as an Administrators group member.**

Note

- If the [User Account Control] dialog box appears during the driver installation procedure, click [Yes] or [Continue].
- If the [Windows Security] dialog box appears during the driver installation procedure, click [Install this driver software anyway].
- A message appears if there is a newer version of the printer driver already installed. If there is, you cannot install the printer driver using Auto Run. If you still want to install the printer driver, use [Add Printer]. See page 55 "Messages Displayed When Installing the Printer Driver".

Installing the Printer Driver for the Selected Port

Describes the driver installation procedure for each printer port. See the installation procedure for the printer port you are using.

Important

- **To use the SmartDeviceMonitor for Client port, you must first download SmartDeviceMonitor for Client from the manufacturer's Web site and install it on your computer. Contact your local dealer for information on downloading SmartDeviceMonitor for Client. For details about SmartDeviceMonitor for Client, see "Software that You Can Download", Getting Started.**

Port Type	Printer Driver Type	Reference
Standard TCP/IP port	PCL PS3	page 17 "Using the Standard TCP/IP port"
IPP port	PCL PS3	page 17 "Using the IPP port"
LPR port	PCL PS3	page 19 "Using the LPR port"
WSD port	PCL PS3	page 20 "Using the WSD port"
SmartDeviceMonitor for Client port	PCL PS3	page 23 "Using the SmartDeviceMonitor for Client port"

Using the Standard TCP/IP port

PCL PS3

1. **Quit all applications. (Do not close this manual.)**
2. **Insert the provided CD-ROM into the computer's CD-ROM drive.**

   If the [AutoPlay] dialog box appears, click [Run SETUP.EXE].
3. **Select an interface language, and then click [OK].**

   For details about the languages supported in the printer drivers, see page 6 "Supported languages".
4. **Click [PCL Printer Driver] or [PostScript 3 Printer Driver].**
5. **The software license agreement appears in the [License Agreement] dialog box. After reading the agreement, click [I accept the agreement.], and then click [Next].**

   If installing the PostScript 3 printer driver, proceed to step 7.
6. **Select a printer driver you want to use, and then click [Next].**
7. **Select a port to set, and then click [Next].**
8. **Select the check box of the manufacturer and machine model you want to use.**
9. **Click [Port :], and then click [Add] in the [Change settings for 'Port'] box.**
10. **Click [Standard TCP/IP Port], and then click [OK].**

    If [Standard TCP/IP Port] does not appear, see Windows Help, and then configure the settings.
11. **Click [Next].**
12. **Enter the machine name or IP address, and then click [Next].**

    When the device type selection appears, select "RICOH Network Printer C model".
13. **Click [Finish].**
14. **Check that the port of the selected printer is displayed in [Port :].**
15. **Configure the user code, default printer, and shared printer as necessary.**
16. **Click [Continue].**

    The installation starts.
17. **Click [Finish].**

    Select one of the options to restart the computer either now or later, and then click [Finish].

Using the IPP port

PCL PS3

Important

- To print via IPP-SSL, use the SmartDeviceMonitor for Client port.

- Installation of the certificate is especially necessary for users who want to print via IPP-SSL from Windows Vista/7/8/8.1 or Windows Server 2008/2008 R2/2012/2012 R2. For details, consult your administrator.
- If a certificate authority issues a certificate that must be authenticated by an intermediate certificate authority, and the certificate is installed on this machine, an intermediate certificate must be installed on the client computer. Otherwise, validation by the certificate authority will not be performed correctly.
- If validation cannot be performed properly, a warning message informing you that installation is not possible might appear when you try to add a printer using IPP-SSL under Windows Vista/7/8 or Windows Server 2008/2008 R2/2012. To enable authentication from the client computer, install the intermediate certificate on the client computer, and then reestablish connection.
- Intermediate certificates cannot be installed on this machine.

1. **Quit all applications. (Do not close this manual.)**
2. **On the [Start] menu, click [Devices and Printers].**
3. **Click [Add a printer].**
4. **Click [Add a network, wireless or Bluetooth printer].**
5. **Click [The printer that I want isn't listed].**
6. **In the [Select a shared printer by name] box, enter "http://(machine's IP address or host name)/printer (or ipp)" as the printer's address, and then click [Next].**
7. **Click [Have Disk...].**
8. **Insert the provided CD-ROM into the computer's CD-ROM drive.**

   If the [AutoPlay] dialog box appears, click [Close].
9. **Click [Browse...], and then specify a location for the INF file.**

   If the CD-ROM drive is D, the source files of the printer driver are stored in the following locations:

   - PCL 5e

     32-bit driver D:\X86\DRIVERS\PCL5E\XP_VISTA\(Language)\DISK1

     64-bit driver D:\X64\DRIVERS\PCL5E\X64\(Language)\DISK1
   - PCL 6

     32-bit driver D:\X86\DRIVERS\PCL6\XP_VISTA\MUI\DISK1

     64-bit driver D:\X64\DRIVERS\PCL6\X64\MUI\DISK1
   - PostScript 3

     32-bit driver D:\X86\DRIVERS\PS\XP_VISTA\MUI\DISK1

     64-bit driver D:\X64\DRIVERS\PS\X64\MUI\DISK1

   For details about the languages supported in the printer drivers, see page 6 "Supported languages".

10. **Click [Open].**
11. **Click [OK] to close the [Install From Disk] window.**
12. **Select the manufacturer and model name of the machine you want to use, and then click [Next].**

    The installation starts.
13. **Follow the instructions that appear. Modify settings such as printer name and default printer configuration, as necessary. You can also print a test page.**
14. **Click [Finish].**

    If a check box for setting the machine as a default printer appears, configure as necessary.

Using the LPR port

PCL | PS3

1. **Quit all applications. (Do not close this manual.)**
2. **Insert the provided CD-ROM into the computer's CD-ROM drive.**

    If the [AutoPlay] dialog box appears, click [Run SETUP.EXE].
3. **Select an interface language, and then click [OK].**

    For details about the languages supported in the printer drivers, see page 6 "Supported languages".
4. **Click [PCL Printer Driver] or [PostScript 3 Printer Driver].**
5. **The software license agreement appears in the [License Agreement] dialog box. After reading the agreement, click [I accept the agreement.], and then click [Next].**

    If installing the PostScript 3 printer driver, proceed to step 7.
6. **Select a printer driver you want to use, and then click [Next].**
7. **Select a port to set, and then click [Next].**
8. **Select the check box of the machine model you want to use.**
9. **Click [Port :], and then click [Add] in the [Change settings for 'Port'] box.**
10. **Click [LPR Port], and then click [OK].**

    If [LPR Port] does not appear, see Windows Help and install it.
11. **Enter the machine name or IP address in the [Name or address of server providing lpd:] box.**
12. **Enter "lp" in the [Name of printer or print queue on that server:] box, and then click [OK].**
13. **Check that the port of the selected printer is displayed in [Port :].**
14. **Configure the user code, default printer, and shared printer as necessary.**

15. **Click [Continue].**

    The installation starts.

16. **Click [Finish].**

    Select one of the options to restart the computer either now or later, and then click [Finish].

Using the WSD port

PCL PS3

Important

- **The WSD port can be used under Windows Vista/7/8/8.1, or Windows Server 2008/2008 R2/2012/2012 R2.**
- **You can connect to the printer only if both the printer and computer are on the same network segment, or "Network discovery" is enabled. For details, see Windows Help.**

Windows Vista, Windows Server 2008

1. **Quit all applications. (Do not close this manual.)**
2. **On the [Start] menu, click [Network].**
3. **Right-click the machine's icon, and then click [Install].**
4. **Click [Locate and install driver software (recommended)].**
5. **Click [Browse my computer for driver software (advanced)].**
6. **Insert the provided CD-ROM into the computer's CD-ROM drive.**

   If the [AutoPlay] dialog box appears, click [Close].

7. **Click [Browse...], and then specify the location of the INF file.**

   If the CD-ROM drive is D, the source files of the printer driver are stored in the following locations:

   - PCL 5e

     32-bit driver D:\X86\DRIVERS\PCL5E\XP_VISTA\(Language)\DISK1

     64-bit driver D:\X64\DRIVERS\PCL5E\X64\(Language)\DISK1

   - PCL 6

     32-bit driver D:\X86\DRIVERS\PCL6\XP_VISTA\MUI\DISK1

     64-bit driver D:\X64\DRIVERS\PCL6\X64\MUI\DISK1

   - PostScript 3

     32-bit driver D:\X86\DRIVERS\PS\XP_VISTA\MUI\DISK1

     64-bit driver D:\X64\DRIVERS\PS\X64\MUI\DISK1

   For details about the languages supported in the printer drivers, see page 6 "Supported languages".

8. **Click [Next].**
9. **Click [Close].**

   If installation is successful, the icon of the printer connected to the WSD port will appear in the window for configuring printers.

Note

- The port name that follows "WSD" uses random character strings. It cannot be changed freely.
- To stop the installation, click [Cancel] before the installation is complete. When re-installing the WSD Port, right-click the printer's icon in the [Network] window, and then click [Uninstall].

Windows 7, Windows Server 2008 R2

1. **Quit all applications. (Do not close this manual.)**
2. **On the [Start] menu, click [Devices and Printers].**
3. **Click [Add a printer].**
4. **Click [Add a local printer].**
5. **Check the [Use an existing port:] check box, and select WSD port.**
6. **Click [Next].**
7. **Click [Have Disk...].**
8. **Insert the provided CD-ROM into the computer's CD-ROM drive.**

   If the [AutoPlay] dialog box appears, click [Close].
9. **Click [Browse...], and then specify the location of the INF file.**

   If the CD-ROM drive is D, the source files of the printer driver are stored in the following locations:

   - PCL 5e

     32-bit driver D:\X86\DRIVERS\PCL5E\XP_VISTA\(Language)\DISK1

     64-bit driver D:\X64\DRIVERS\PCL5E\X64\(Language)\DISK1
   - PCL 6

     32-bit driver D:\X86\DRIVERS\PCL6\XP_VISTA\MUI\DISK1

     64-bit driver D:\X64\DRIVERS\PCL6\X64\MUI\DISK1
   - PostScript 3

     32-bit driver D:\X86\DRIVERS\PS\XP_VISTA\MUI\DISK1

     64-bit driver D:\X64\DRIVERS\PS\X64\MUI\DISK1

   For details about the languages supported in the printer drivers, see page 6 "Supported languages".
10. **Click [Open].**
11. **Click [OK] to close the [Install From Disk] window.**

12. **Select the manufacturer and model name of the machine you want to use, and then click [Next].**
13. **Follow the instructions that appear. Modify settings such as printer name, default printer, and printer sharing configuration, as necessary. You can also print a test page.**
14. **Click [Finish].**

    If installation is successful, the icon of the printer connected to the WSD port will appear in the window for configuring printers.

Note

- To stop installation of the selected driver, click [Cancel] before the installation is complete. When re-installing the WSD Port, right-click the machine's icon in the [Network] window, and then click [Uninstall].

Windows 8/8.1, Windows Server 2012/2012 R2

1. **Quit all applications. (Do not close this manual.)**
2. **On the desktop, point to the bottom-right corner, and then click [Settings].**
3. **Click [Control Panel].**
4. **Click [View devices and printers].**
5. **Click [Add a printer].**
6. **Click [The printer that I want isn't listed].**
7. **Click [Add a local printer or network printer with manual settings].**
8. **Check the [Use an existing port:] check box, and select WSD port.**
9. **Click [Next].**
10. **Click [Have Disk...].**
11. **Insert the provided CD-ROM into the computer's CD-ROM drive.**

    If the [AutoPlay] dialog box appears, click [Close].
12. **Click [Browse...], and then specify the location of the INF file.**

    If the CD-ROM drive is D, the source files of the printer driver are stored in the following locations:

    - PCL 5e

      32-bit driver D:\X86\DRIVERS\PCL5E\XP_VISTA\(Language)\DISK1

      64-bit driver D:\X64\DRIVERS\PCL5E\X64\(Language)\DISK1
    - PCL 6

      32-bit driver D:\X86\DRIVERS\PCL6\XP_VISTA\MUI\DISK1

      64-bit driver D:\X64\DRIVERS\PCL6\X64\MUI\DISK1
    - PostScript 3

      32-bit driver D:\X86\DRIVERS\PS\XP_VISTA\MUI\DISK1

64-bit driver D:\X64\DRIVERS\PS\X64\MUI\DISK1

For details about the languages supported in the printer drivers, see page 6 "Supported languages".

13. **Click [Open].**
14. **Click [OK] to close the [Install From Disk] window.**
15. **Select the manufacturer and model name of the machine you want to use, and then click [Next].**
16. **Follow the instructions that appear. Modify settings such as printer name, default printer, and printer sharing configuration, as necessary. You can also print a test page.**
17. **Click [Finish].**

    If installation is successful, the icon of the printer connected to the WSD port will appear in the window for configuring printers.

Note

- To stop installation of the selected driver, click [Cancel] before the installation is complete. When re-installing the WSD Port, right-click the machine's icon in the [Network] window, and then click [Uninstall].

Using the SmartDeviceMonitor for Client port

PCL PS3

To use this function, you must first download SmartDeviceMonitor for Client from the manufacturer's Web site and install it on your computer. Contact your local dealer for information on downloading SmartDeviceMonitor for Client.

1. **Quit all applications. (Do not close this manual.)**
2. **Insert the provided CD-ROM into the computer's CD-ROM drive.**

   If the [AutoPlay] dialog box appears, click [Run SETUP.EXE].
3. **Select an interface language, and then click [OK].**

   For details about the languages supported in the printer drivers, see page 6 "Supported languages".
4. **Click [PCL Printer Driver] or [PostScript 3 Printer Driver].**
5. **The software license agreement appears in the [License Agreement] dialog box. After reading the agreement, click [I accept the agreement.], and then click [Next].**

   If installing the PostScript 3 printer driver, proceed to step 7.
6. **Select a printer driver you want to use, and then click [Next].**
7. **Select a port to set, and then click [Next].**
8. **Select the check box of the machine model you want to use.**

9. **Click [Port :], and then click [Add] in the [Change settings for 'Port'] box.**
10. **Click [SmartDeviceMonitor], and then click [OK].**
11. **To configure port settings using TCP/IP, click [TCP/IP], and then click [Search].**

    To configure port settings using IPP, proceed to step 13.
12. **Select the machine you want to use, and then click [OK].**

    Only machines that respond to a broadcast from the computer appear. To use a machine not listed here, click [Specify Address], and then enter the IP address or host name of the machine.

    Proceed to step 18.
13. **To configure port settings using IPP, click [IPP].**
14. **In the [Printer URL] box, enter "http://machine's IP address/printer" as the machine's address.**

    If the server authentication is issued, enter "https://machine's IP address/printer" to enable SSL (a protocol for encrypted communication). Example IP address: 192.168.15.16

    http://192.168.15.16/printer

    https://192.168.15.16/printer

    You can enter "http://machine's IP address/ipp" as the machine's address.
15. **Enter a name for identifying the machine in the [IPP Port Name] box. Use a name different from the one of any existing ports.**

    If a name is not specified here, the address entered in the [Printer URL] box becomes the IPP port name.
16. **Click [Detailed Settings] Settings to make necessary settings.**

    For details about the settings, see SmartDeviceMonitor for Client Help.
17. **Click [OK].**
18. **Check that the port of the selected printer is displayed in [Port :].**
19. **Configure the user code, default printer, and shared printer as necessary.**
20. **Click [Continue].**

    The installation starts.
21. **Click [Finish].**

    Select one of the options to restart the computer either now or later, and then click [Finish].

Changing the port settings for SmartDeviceMonitor for Client

Follow the procedure below to change the SmartDeviceMonitor for Client settings, such as TCP/IP protocol.

Windows XP, Windows Server 2003/2003 R2

1. **On the [Start] menu, click [Printers and Faxes].**
2. **Click the icon of the machine you want to use. On the [File] menu, click [Properties].**
3. **Click the [Ports] tab, and then click [Configure Port...].**

   The port configuration window appears.

Windows Vista, Windows Server 2008:

1. **On the [Start] menu, click [Control Panel].**
2. **Click [Printers].**
3. **Right-click the icon of the machine you want to use, and then click [Properties].**
4. **Click the [Ports] tab, and then click [Configure Port...].**

   The port configuration window appears.

Windows 7, Windows Server 2008 R2:

1. **On the [Start] menu, click [Devices and Printers].**
2. **Right-click the icon of the machine you want to use, and then click [Printer properties].**
3. **Click the [Ports] tab, and then click [Configure Port...].**

   The port configuration window appears.

Windows 8/8.1, Windows Server 2012/2012 R2:

1. **On the desktop, point to the bottom-right corner, and then click [Settings].**
2. **Click [Control Panel].**
3. **Click [View devices and printers].**
4. **Right-click the icon of the machine you want to use, and then click [Printer properties].**

   The port configuration window appears.

Note

- User, proxy, and timeout settings can be configured for IPP.
- For details about these settings, see SmartDeviceMonitor for Client Help.

Using as a Network Printer

Describes the driver installation procedure for each print server. See the installation procedure for the print server you are using.

Important

- **When using NetWare, an optional NetWare unit is required.**

Server OS	Client OS	Printer Driver Type	Reference
Windows Server	Windows	PCL PS3	page 26 "Using Windows print server"
NetWare	Windows	PCL PS3	page 27 "Using NetWare print server"

Using Windows print server

PCL PS3

1. **Quit all applications. (Do not close this manual.)**
2. **Insert the provided CD-ROM into the computer's CD-ROM drive.**

   If the [AutoPlay] dialog box appears, click [Run SETUP.EXE].
3. **Select an interface language, and then click [OK].**

   For details about the languages supported in the printer drivers, see page 6 "Supported languages".
4. **Click [PCL Printer Driver] or [PostScript 3 Printer Driver].**
5. **The software license agreement appears in the [License Agreement] dialog box. After reading the agreement, click [I accept the agreement.], and then click [Next].**

   If installing the PostScript 3 printer driver, proceed to step 7.
6. **Select a printer driver you want to use, and then click [Next].**
7. **Select a port to set, and then click [Next].**
8. **Select the check box of the machine model you want to use.**
9. **Click [Port :], and then click [Add] in the [Change settings for 'Port'] box.**
10. **Click [Network Printer], and then click [OK].**
11. **Double-click the computer name you want to use as a print server in the [Browse for Printer] window.**
12. **Select the machine you want to use, and then click [OK].**
13. **Check that the port of the selected printer is displayed in [Port :].**
14. **Configure the user code, default printer, and shared printer as necessary.**
15. **Click [Continue].**

    The installation starts.
16. **Click [Finish].**

    Select one of the options to restart the computer either now or later, and then click [Finish].

Note

- If you print with a print server connected to the machine using the SmartDeviceMonitor for Client port, Recovery Printing and Parallel Printing cannot be used from the client computer.
- If you print under Windows Vista/7/8 or Windows Server 2008/2012 print server, notification functions of SmartDeviceMonitor may not be used with the client computer.

Using NetWare print server

PCL PS3

1. **Quit all applications. (Do not close this manual.)**
2. **Insert the provided CD-ROM into the computer's CD-ROM drive.**

   If the [AutoPlay] dialog box appears, click [Run SETUP.EXE].
3. **Select an interface language, and then click [OK].**

   For details about the languages supported in the printer drivers, see page 6 "Supported languages".
4. **Click [PCL Printer Driver] or [PostScript 3 Printer Driver].**
5. **The software license agreement appears in the [License Agreement] dialog box. After reading the agreement, click [I accept the agreement.], and then click [Next].**

   If installing the PostScript 3 printer driver, proceed to step 7.
6. **Select a printer driver you want to use, and then click [Next].**
7. **Select a port to set, and then click [Next].**
8. **Select the check box of the machine model you want to use.**
9. **Click [Port :], and then click [Add] in the [Change settings for 'Port'] box.**
10. **Click [Network Printer], and then click [OK].**
11. **Double-click the name of the NetWare file server on the network tree.**

    The created queue is displayed.
12. **Select the print queue, and then click [OK].**
13. **Check that the port of the selected printer is displayed in [Port :].**
14. **Click [Continue].**

    The installation starts.
15. **Click [Finish] in the [Select Program] dialog box.**
16. **After the installation is completed, select one of the options to restart the computer either now or later, and then click [Finish].**

    Restart the computer to complete installation.
17. **After restarting the computer, on the [Start] menu, select [Printers and Faxes].**

18. **Right-click the machine's icon, and then click [Properties].**
19. **Click the [NetWare Settings] tab.**
20. **Clear the [Form Feed] and [Enable Banner] check boxes.**

    Do not select these check boxes since they are automatically selected by the printer driver. If you select the check boxes, the printer may not print correctly.

21. **Click [OK].**

Note

- The protocol is set to inactive as default. Enable the protocol on the control panel, using Web Image Monitor, SmartDeviceMonitor or telnet.

Notes when using NetWare

Form Feed

Do not use NetWare to configure form feed. Form feed is controlled by the printer driver on Windows. If NetWare form feed is configured, the printer may not print properly.

Follow the procedure below to disable form feed according to the operating system used:

- Clear the [Form feed] check box on the [NetWare Settings] tab in the printer properties dialog box.

Banner Page

Do not use NetWare to configure banner page.

Follow the procedure below to disable banner page according to the operating system used:

- Clear the [Enable banner] check box on the [NetWare Settings] tab in the printer properties dialog box.

When using the PostScript 3 Printer Driver

Follow the procedure below to set up the PostScript 3 printer driver.

1. On the [Start] menu, select [Printers and Faxes].
2. Right-click the printer's icon, and then click [Properties].
3. Click the [Device Settings] tab.
4. Select [No] on the [Send CTRL-D Before Each Job:] and [Send CTRL-D After Each Job:], and then click [Apply].
5. Click [OK].

Printing after Resetting the Printer

Printer to print server connection requires 30–40 seconds to resume after the printer is reset. During this period, jobs may be accepted (depending on NetWare specifications) but not printed.

To print after resetting the printer as the remote printer, check on the print server that the remote printer is disconnected, or wait for two minutes before trying to print.

Installing the Printer Driver for a Local Connection

This section describes the installation procedure of the printer drivers for USB, parallel, and Bluetooth connections.

Important

- **Manage Printers permission is required to install the driver. Log on as an Administrators group member.**

Note

- If the [User Account Control] dialog box appears in driver installation procedure, click [Yes] or [Continue].
- If the [Windows Security] dialog box appears in driver installation procedure, click [Install this driver software anyway].
- A message appears if there is a newer version of the printer driver already installed. If there is, you cannot install the printer driver using Auto Run. If you still want to install the printer driver, use [Add Printer]. See page 55 "Messages Displayed When Installing the Printer Driver".

USB Connection

This section explains how to install the printer drivers using USB.

Before installing, check that only the operating system is running on the computer and no print jobs are in progress.

If the printer driver has already been installed, and plug and play is enabled, the icon of the printer connected to the "USB" port is added to the [Printers], [Printers and Faxes], or [Devices and Printers] window.

If the printer driver is not installed, follow the plug-and-play instructions of the machine to install it from the CD-ROM provided with this machine.

Note

- To disable Auto Run, press the left Shift key when inserting the CD-ROM into the drive and keep it pressed until the computer finishes reading from the CD-ROM.

Windows XP, Windows Server 2003/2003 R2

1. **Quit all applications. (Do not close this manual.)**
2. **Check that the power of the machine is off.**

3. **Connect the machine and computer using the USB cable.**

   Connect the USB cable firmly.

4. **Turn on the power of the machine.**

   Found New Hardware Wizard starts, and USB Printing Support is installed automatically.

5. **Select [No, not this time], and then click [Next].**
6. **Click [Install from a list or specific location [Advanced]], and then click [Next].**
7. **Insert the provided CD-ROM into the computer's CD-ROM drive.**

   If Auto Run starts, click [Cancel] and then [Exit].

8. **Select the [Search removable media (floppy, CD-ROM...)] check box under [Search for the best driver in these locations.], and then click [Next].**
9. **Select the name of the machine whose driver you want to install.**

   Check the location where the source files of the printer driver is stored.

   If the CD-ROM drive is D, the source files are stored in the following locations:

   - PCL 5e

     32-bit driver D:\X86\DRIVERS\PCL5E\XP_VISTA\(Language)\DISK1

     64-bit driver D:\X64\DRIVERS\PCL5E\X64\(Language)\DISK1

   - PCL 6

     32-bit driver D:\X86\DRIVERS\PCL6\XP_VISTA\MUI\DISK1

     64-bit driver D:\X64\DRIVERS\PCL6\X64\MUI\DISK1

   - PostScript 3

     32-bit driver D:\X86\DRIVERS\PS\XP_VISTA\MUI\DISK1

     64-bit driver D:\X64\DRIVERS\PS\X64\MUI\DISK1

   For details about the languages supported in the printer drivers, see page 6 "Supported languages".

10. **Click [Next].**

    The installation starts.

11. **Click [Finish].**

    If the printer driver has already been installed and plug and play is enabled, the icon of the printer connected to the "USB001" port is added to the [Printers], [Printers and Faxes], or [Devices and Printers] window.

    The number after "USB" varies depending on the number of printers connected.

Windows Vista, Windows Server 2008

1. **Quit all applications. (Do not close this manual.)**

2. **Check that the power of the machine is off.**
3. **Connect the machine and computer using a USB cable.**

   Connect the USB cable firmly.
4. **Turn on the power of the machine.**

   Found New Hardware Wizard starts, and USB Printing Support is installed automatically.
5. **In the [Found New Hardware] window, click [Locate and install driver software (recommended)].**
6. **Insert the provided CD-ROM into the computer's CD-ROM drive.**

   If the [AutoPlay] dialog box appears, click [Close].
7. **Select the name of the machine whose driver you want to install.**

   Check the location where the source files of the printer driver is stored.

   If the CD-ROM drive is D, the source files are stored in the following locations:

   - PCL 5e

     32-bit driver D:\X86\DRIVERS\PCL5E\XP_VISTA\(Language)\DISK1

     64-bit driver D:\X64\DRIVERS\PCL5E\X64\(Language)\DISK1
   - PCL 6

     32-bit driver D:\X86\DRIVERS\PCL6\XP_VISTA\MUI\DISK1

     64-bit driver D:\X64\DRIVERS\PCL6\X64\MUI\DISK1
   - PostScript 3

     32-bit driver D:\X86\DRIVERS\PS\XP_VISTA\MUI\DISK1

     64-bit driver D:\X64\DRIVERS\PS\X64\MUI\DISK1

   For details about the languages supported in the printer drivers, see page 6 "Supported languages".
8. **Click [Next].**

   The installation starts.
9. **Click [Close].**

   If the printer driver has already been installed and plug and play is enabled, the icon of the printer connected to the "USB001" port is added to the [Printers], [Printers and Faxes], or [Devices and Printers] window.

   The number after "USB" varies depending on the number of printers connected.

Windows 7, Windows Server 2008 R2

1. **Quit all applications. (Do not close this manual.)**
2. **Check that the power of the machine is off.**

3. **Connect the machine and computer using a USB cable.**

   Connect the USB cable firmly.

4. **Turn on the power of the machine.**

   Found New Hardware Wizard starts, and USB Printing Support is installed automatically.

5. **Click [Devices and Printers] from the [Start] menu.**
6. **Double-Click the icon of machine you want to use in the [Unspecified] category.**
7. **Click the [Hardware] tab.**
8. **Click [Properties].**
9. **Click the [General] tab.**
10. **Click [Change settings].**
11. **Click [Driver] tab.**
12. **Click [Update Driver...].**
13. **Click [Browse my computer for driver software].**
14. **Insert the provided CD-ROM into the computer's CD-ROM drive.**

    If the [AutoPlay] dialog box appears, click [Close].

15. **Click [Browse], and then select the printer driver location.**

    If the CD-ROM drive is D, the source files of the printer driver are stored in the following locations:

    - PCL 5e

      32-bit driver D:\X86\DRIVERS\PCL5E\XP_VISTA\(Language)\DISK1

      64-bit driver D:\X64\DRIVERS\PCL5E\X64\(Language)\DISK1

    - PCL 6

      32-bit driver D:\X86\DRIVERS\PCL6\XP_VISTA\MUI\DISK1

      64-bit driver D:\X64\DRIVERS\PCL6\X64\MUI\DISK1

    - PostScript 3

      32-bit driver D:\X86\DRIVERS\PS\XP_VISTA\MUI\DISK1

      64-bit driver D:\X64\DRIVERS\PS\X64\MUI\DISK1

    For details about the languages supported in the printer drivers, see page 6 "Supported languages".

16. **Click [Next].**

    The installation starts.

17. **Click [Close].**

    If the printer driver has already been installed and plug and play is enabled, the icon of the printer connected to the "USB001" port is added to the [Printers], [Printers and Faxes], or [Devices and Printers] window.

The number after "USB" varies depending on the number of printers connected.

Windows 8/8.1, Windows Server 2012/2012 R2

1. **Quit all applications. (Do not close this manual.)**
2. **Check that the power of the machine is off.**
3. **Connect the machine and computer using a USB cable.**

   Connect the USB cable firmly.
4. **Turn on the power of the machine.**

   Found New Hardware Wizard starts, and USB Printing Support is installed automatically.
5. **Click [Devices and Printers] from the [Start] menu.**
6. **Double-Click the icon of machine you want to use in the [Unspecified] category.**
7. **Click the [Hardware] tab.**
8. **Click [Properties].**
9. **Click the [General] tab.**
10. **Click [Change settings]**
11. **Click [Driver] tab.**
12. **Click [Update Driver...].**
13. **Click [Browse my computer for driver software].**
14. **Insert the provided CD-ROM into the computer's CD-ROM drive.**

    If the [AutoPlay] dialog box appears, click [Close].
15. **Click [Browse], and then select the printer driver location.**

    If the CD-ROM drive is D, the source files of the printer driver are stored in the following locations:

    - PCL 5e

      32-bit driver D:\X86\DRIVERS\PCL5E\XP_VISTA\(Language)\DISK1

      64-bit driver D:\X64\DRIVERS\PCL5E\X64\(Language)\DISK1
    - PCL 6

      32-bit driver D:\X86\DRIVERS\PCL6\XP_VISTA\MUI\DISK1

      64-bit driver D:\X64\DRIVERS\PCL6\X64\MUI\DISK1
    - PostScript 3

      32-bit driver D:\X86\DRIVERS\PS\XP_VISTA\MUI\DISK1

      64-bit driver D:\X64\DRIVERS\PS\X64\MUI\DISK1

    For details about the languages supported in the printer drivers, see page 6 "Supported languages".

16. **Click [Next].**

    The installation starts.

17. **Click [Close].**

    If the printer driver has already been installed and plug and play is enabled, the icon of the printer connected to the "USB001" port is added to the [Printers], [Printers and Faxes], or [Devices and Printers] window.

    The number after "USB" varies depending on the number of printers connected.

Parallel Connection

To use a printer connected using a parallel interface, click [LPT1] when installing the printer driver.

1. **Quit all applications. (Do not close this manual.)**
2. **Insert the provided CD-ROM into the computer's CD-ROM drive.**

   If the [AutoPlay] dialog box appears, click [Run SETUP.EXE].

3. **Select an interface language, and then click [OK].**

   For details about the languages supported in the printer drivers, see page 6 "Supported languages".

4. **Click [PCL Printer Driver] or [PostScript 3 Printer Driver].**
5. **The software license agreement appears in the [License Agreement] dialog box. After reading the agreement, click [I accept the agreement.], and then click [Next].**

   If installing the PostScript 3 printer driver, proceed to step 7.

6. **Select a printer driver you want to use, and then click [Next].**
7. **Select a port to set, and then click [Next].**
8. **Select the check box of the machine model you want to use.**
9. **Click [Port :].**
10. **Select [LPT1:] in the [Change settings for 'Port'] drop-down list.**
11. **Configure the user code, default printer, and shared printer as necessary.**
12. **Click [Continue].**

    The installation starts.

13. **Click [Finish].**

    Select one of the options to restart the computer either now or later, and then click [Finish].

Bluetooth Connection

Important

- **The Bluetooth unit and the optional wireless LAN unit cannot be used simultaneously.**

Supported profiles and restrictions

Supported Profiles

- SPP (Serial Port Profile)
- HCRP (Hardcopy Cable Replacement Profile)
- BIP (Basic Imaging Profile)

Restrictions on SPP, HCRP

- A maximum of two Bluetooth adaptor or Bluetooth-equipped computers can be connected at the same time using the Bluetooth interface: one by SPP, one by HCRP.
- When connecting more than one Bluetooth adaptor or Bluetooth-equipped computer at the same time, the first device that establishes connection is selected. When selecting the connection between the other devices, cancel the first established connection.
- SPP connection does not support bidirectional communications.
- HCRP connection supports bidirectional communications.
- Depending on the machine, additional printer option may be required to use SPP, HCRP. To see if your machine requires additional printer option, see the manual provided with the machine.

Restrictions on BIP

- PostScript 3 must be installed on the printer to connect via BIP. For information about PostScript 3, see the manual provided with the printer.
- Only one Bluetooth adaptor or Bluetooth-equipped computer can be connected via BIP.
- Only JPEG images can be printed using BIP.
- User codes are disabled for BIP.
- You cannot print if print functions are restricted.
- Some printers do not support BIP.

Instructions in this manual relate to printing via HCRP. To print using SPP or BIP, see the Help supplied with the Bluetooth adapter you want to use, or the Microsoft Web site.

Adding a Bluetooth printer

If your computer is running SP1 or an earlier version of Windows XP, there are additional applications that you must install. For details about these, see the Help supplied with your Bluetooth device.

Important

- **To connect to a Bluetooth printer, your computer must have a Bluetooth device installed. Make sure a Bluetooth device is installed on your computer.**

Windows XP, Windows Server 2003/2003 R2

1. **Quit all applications. (Do not close this manual.)**
2. **On the [Start] menu, click [Printers and Faxes].**
3. **Click [Add a printer].**
4. **Click [Next].**
5. **Click [Bluetooth Printer], and then click [Next].**

   The computer begins searching for available Bluetooth printers.

   If a new printer is discovered, the [Found New Hardware Wizard] window appears. To ignore a discovered device and continue searching, click [Cancel]. The computer resumes searching for other available Bluetooth printers.
6. **Click [No, I will not connect], and then click [Next].**
7. **Click [Install from a list or specific location (Advanced)], and then click [Next].**
8. **Insert the CD-ROM provided with this machine into your computer's CD-ROM drive, select the [Search removable media (floppy, CD-ROM...)] check box, and then click [Next].**
9. **If the [Hardware Installation] window appears, click [Continue].**
10. **If the installation was successful, click [Finish].**
11. **Select [Test Print], and then click [Next].**
12. **Click [Finish].**

Note

- Actual Bluetooth printer operations will vary according to your Bluetooth device and/or Bluetooth-installed computer. For details, see the Help supplied with your Bluetooth device and/or Bluetooth-equipped computer.
- After printing the test page, check it, and then click [Close] to close the window.
- If there is a problem with the test page, click [Troubleshooting] in the test print window.

Windows Vista, Windows Server 2008

1. **Quit all applications. (Do not close this manual.)**
2. **On the [Start] menu, click [Control Panel].**
3. **In the "Hardware and Sound" area, click [Printers].**
4. **In the top part of the window, click [Add a printer].**

5. **In the [Add Printer] window, select [Add a network, wireless or Bluetooth printer], and then click [Next].**

   The computer begins searching for available Bluetooth devices.

6. **From the list of discovered devices, select the machine you want to use, and then click [Next].**

   All discovered wireless printers appear in the list of discovered printers, not only Bluetooth printers.

   Make sure the machine you select is a Bluetooth printer.

7. **Insert the CD-ROM provided with this machine into your computer's CD-ROM drive, and then click [Browse my computer for driver software (advanced)] on the [Found New Hardware] display.**

8. **In the [Found New Hardware] window, select the printer driver you want to use, and then click [Next].**

   The installation starts.

9. **If the [Windows Security] window appears, click [Install this driver software anyway].**

10. **Click [Close].**

11. **If you want to change the printer name, enter the new name in the [Printer Name Settings] window.**

12. **If you want to print a test page, click [Printing Test Page] on the "Test Print" page.**

    Otherwise, click [Finish].

Note

- If you print the test page, after checking it, click [Close] to close the test print window.
- If there is a problem with the test page, click [Troubleshooting Printer Problems] in the test print window.

Windows 7, Windows Server 2008 R2

1. **Quit all applications. (Do not close this manual.)**

2. **On the [Start] menu, click [Devices and Printers].**

3. **Click [Add a printer].**

4. **Click [Add a network, wireless or Bluetooth printer].**

   The computer begins searching for available Bluetooth devices.

5. **From the list of discovered devices, select the machine you want to use, and then click [Next].**

6. **If you want to change the printer name, enter the new name in the [Printer Name:], and then click [Next].**

7. **To share the printer, configure the necessary settings, and then click [Next].**

8. **If you want to print a test page, click [Print a test page] on the "Test Print" page.**

   Otherwise, click [Finish].

Note

- If you print the test page, after checking it, click [Close] to close the test print window.
- If there is a problem with the test page, click [Get help with printing] in the test print window.

Windows 8/8.1, Windows Server 2012/2012 R2

1. **Quit all applications. (Do not close this manual.)**
2. **On the desktop, point to the bottom-right corner, and then click [Settings].**
3. **Click [Control Panel].**
4. **Click [View devices and printers].**
5. **Click [Add a printer].**
6. **Click [The printer that I want isn't listed].**
7. **Select the [Add a Bluetooth, wireless or network discoverable printer] check box, and then click [Next].**

   The computer begins searching for available Bluetooth devices.
8. **From the list of discovered devices, select the machine you want to use, and then click [Next].**
9. **If you want to change the printer name, enter the new name in the [Printer Name:], and then click [Next].**
10. **To share the printer, configure the necessary settings, and then click [Next].**
11. **If you want to print a test page, click [Print a test page] on the "Test Print" page.**

    Otherwise, click [Finish].

Note

- If you print the test page, after checking it, click [Close] to close the test print window.
- If there is a problem with the test page, click [Get help with printing] in the test print window.

Configuring Option Settings for the Printer

When bidirectional communication works correctly, your computer obtains information about option, paper size and paper feed direction settings from the machine automatically. Bidirectional communication also allows you to monitor machine status.

When bidirectional communication is disabled, you have to set up option, paper size and paper feed direction settings on your computer manually.

Conditions for Bidirectional Communication

To support bidirectional communication, the following conditions must be met:

When connected with parallel cables

- The computer must support bidirectional communication.
- The interface cable must support bidirectional communication.
- The machine must be connected to the computer using the standard parallel cables and parallel connectors.

When connected with the network

- The Standard TCP/IP port must be used.
- In addition to the above, one of the following conditions must also be met:
  - The TCP/IP protocol or the IPP protocol is used. (When using the IPP protocol, the IPP port name must include the IP address.)

When connected with USB

- The machine must be connected to the computer's USB port using the USB interface cable.
- The computer must support bidirectional communication.
- [Enable bidirectional support] must be selected, and [Enable printer pooling] must not be selected on the [Ports] tab with the printer driver.

Note

- The PCL 6 and PostScript 3 printer drivers support bidirectional communication and automatic printer status updates.
- To obtain printer information automatically using the bidirectional communication function of the PCL 6 or PostScript 3 printer driver, you must select the [Automatically Update Printer Information] check box on the [Accessories] tab in the printer driver's properties window.
- The PCL 5e printer driver supports bidirectional communication. You can update the printer status manually.

If Bidirectional Communication is Disabled

This section describes how to set up option, paper size and paper feed direction settings on your computer manually.

Important

- **Manage Printers permission is required to change the printer properties. Log on as an Administrators group member.**

1. **Open the printer window.**
   - Windows XP, Windows Server 2003:

     On the [Start] menu, select [Printers and Faxes].
   - Windows Vista, Windows Server 2008:

     On the [Start] menu, select [Control Panel], and then click [Printers] in [Hardware and Sound] category.
   - Windows 7, Windows Server 2008 R2:

     On the [Start] menu, select [Devices and Printers].
   - Windows 8/8.1, Windows Server 2012/2012 R2:

     On the desktop, point to the bottom-right corner, click [Settings], [Control Panel], and then [View devices and printers].
2. **Open the printer properties dialog box.**
   - Windows XP/Vista, Windows Server 2003/2008:

     Right-click the machine's icon, and then click [Properties].
   - Windows 7/8/8.1, Windows Server 2008 R2/2012/2012 R2:

     Right-click the machine's icon, and then click [Printer properties].
3. **Click the [Accessories] tab.**

   If options in the [Accessories] tab are disabled, bidirectional connection is enabled. In this case, no change is necessary for option settings.
4. **Select options installed from the [Options] area, and then make the necessary settings.**
5. **Click [Change Input Tray Settings...].**
6. **In [Input Tray:] select which trays to use, and then, in [Paper Size:] select the size of the paper that you want to load in each tray.**

   Click [Modify Input Tray/Paper Size] to apply the setting for each tray.
7. **Click [OK].**
8. **Click [OK] to close the printer properties window.**

Note

- For details about making option settings for the machine using a Mac OS X, see page 62 "Configuring Option Settings for the Printer Under Mac OS X".

Installing Font Manager

Important

- Manage Printers permission is required to install Font Manager. Log on as an Administrators group member.
- The operating systems compatible with Font Manager are Windows XP/Vista.

1. Quit all applications. (Do not close this manual.)
2. Insert the provided CD-ROM into the computer's CD-ROM drive.

   If the [AutoPlay] dialog box appears, click [Run SETUP.EXE].
3. Select an interface language, and then click [OK].
4. Click [Font Manager].
5. Follow the instructions on the display.

3. Installing the Scanner Driver

This chapter explains how to install the TWAIN driver on a client computer.

Installing the TWAIN Driver

To use the network TWAIN scanner, you must install the TWAIN driver on a client computer.

1. **Quit all applications. (Do not close this manual.)**
2. **Insert the provided CD-ROM into the computer's CD-ROM drive.**

   If the [AutoPlay] dialog box appears, click [Run SETUP.EXE].
3. **Select an interface language, and then click [OK].**

   For details about the languages supported in the TWAIN driver, see page 7 "TWAIN Driver".
4. **Click [TWAIN Driver].**
5. **The installer of the TWAIN driver starts. Follow the instructions.**

Note

- Before you start the installation, check the system requirements for the TWAIN driver. For details about the system requirements, see page 5 "Software and Utilities Included on the CD-ROM".
- When the installation is complete, a message about restarting the client computer may appear. In this case, restart the client computer.
- After the installation is complete, a folder with the name of the machine in use is added in [Programs] or [All Programs] on the [Start] menu, or in [Default Programs] on the [Apps] screen. Help can be displayed from here.
- Notes on using the network TWAIN scanner are provided in "Readme.txt". Be sure to read them before use.

Installing a TWAIN-Compliant Application on the Same Client Computer

To use this machine as a network TWAIN scanner, a TWAIN-compliant application, such as DeskTopBinder, must be installed on the client computer.

You can download DeskTopBinder from the manufacturer's Web site and then install it on the client computer. For details about DeskTopBinder, see "Software that You Can Download", Getting Started.

4. Installing the Facsimile Driver

This chapter explains how to install and configure the LAN-Fax driver on a client computer.

Installing the LAN-Fax Driver

Address Book and LAN-Fax Cover Sheet Editor are installed with the LAN-Fax Driver. Address Book helps you edit LAN-Fax transmission destinations. LAN-Fax Cover Sheet Editor helps you edit LAN-Fax cover sheets.

Important

- **Manage Printers permission is required to install the drivers. Log on as an Administrators group member.**
- **In an IPv6 environment, you cannot use the Standard TCP/IP port. Use the SmartDeviceMonitor for Client port.**

Enabling the function to prevent transmission to the wrong destination

The following function is available to prevent a document from being transmitted to the wrong destination even if the incorrect destination was entered. To enable this function, edit the configuration file before you install the driver.

- Prompt user to reenter the destination number multiple times.
- Prompt user to confirm that the destination number is correct.
- Allow user to select the destination from the destination list only, and prohibit the destination from being manually entered.

For details, see page 48 "Enabling the Function to Prevent Transmission to the Wrong Destination".

Specifying the same port as the printer driver

If a port name that is the same as one that is already in use by the existing driver is specified, the LAN-FAX driver installation may fail. If the printer driver is already installed, make sure that the port numbers of the LAN-FAX driver and the printer driver match.

For details, see page 45 "Specifying the Same Port as the Printer Driver".

Specifying the Same Port as the Printer Driver

1. **Quit all applications. (Do not close this manual.)**
2. **Insert the provided CD-ROM into the computer's CD-ROM drive.**

   If the [AutoPlay] dialog box appears, click [Run SETUP.EXE].
3. **Select an interface language, and then click [OK].**

   For details about the languages supported in the LAN-Fax driver, see page 8 "LAN-Fax Driver".

4. **Click [LAN-Fax Driver].**
5. **The software license agreement appears in the [License Agreement] dialog box. After reading the agreement, click [I accept the agreement.], and then click [Next].**
6. **Click [Next].**
7. **Select a port to set, and then click [Next].**
8. **Click [Port:].**
9. **Select the same port as the one selected in the printer driver from the [Change settings for 'Port'] drop-down list.**
10. **Click [Continue].**

    The installation starts.
11. **Click [Finish].**

    Select one of the options to restart the computer either now or later, and then click [Finish].

Specifying the Port When Installing the LAN-FAX Driver

To specify a port that is different from the printer driver when installing the LAN-FAX driver, see the installation procedure of the printer driver.

If places where the procedure or description differs depending on the driver to be installed, replace the corresponding procedure or description accordingly, and install the driver.

Installation procedures	Corresponding items to replace
page 17 "Using the Standard TCP/IP port"	1, 2, 4
page 17 "Using the IPP port"	3
page 19 "Using the LPR port"	1, 2, 4
page 20 "Using the WSD port"	3
page 23 "Using the SmartDeviceMonitor for Client port"	1, 2, 4

List of Items to Replace

No.	Items to be replaced	Procedure/description in the printer driver	Procedure/description in the LAN-Fax driver
1	The name of the button that starts the installation procedure	Click [PCL Printer Driver] or [PostScript 3 Printer Driver].	Click [LAN-Fax Driver].

No.	Items to be replaced	Procedure/description in the printer driver	Procedure/description in the LAN-Fax driver
2	The procedures in the [Install Printer Driver] dialog box	• Select the check box of the machine model you want to use. • Double-click the machine name to display the printer settings.	Double-click [Printer Name : <LAN-Fax M(number)>].
3	The destination folder in which the driver files are stored	The destination folder is written in the description.	The LAN-FAX driver is installed in the following folder: • 32-bit driver X86\DRIVERS\LAN-FAX\XP_VISTA\(Language)\DISK1 • 64-bit driver X64\DRIVERS\LAN-FAX\X64\(Language)\DISK1
4	Availability of the User Code setting	Can be specified.	Cannot be specified.

Enabling the Function to Prevent Transmission to the Wrong Destination

To enable the function to prevent transmission to the wrong destination, edit the configuration file before you install the driver. This section explains how to edit the configuration file and install the LAN-Fax driver using the edited configuration file.

Editing the Configuration File

1. **Quit all applications. (Do not close this manual.)**
2. **Insert the provided CD-ROM into the computer's CD-ROM drive.**

   If the [AutoPlay] dialog box appears, click [Close].
3. **Copy the LAN-FAX driver in the provided CD-ROM to the hard disk of your computer.**

   If the drive letter of the CD-ROM drive is "D:", copy one of the following folders. Select either 32-bit or 64-bit version according to the environment you are using. Do not copy the files to the desktop or a directory whose path name contains multi-byte characters.

   - 32-bit driver D:\X86\DRIVERS\LAN-FAX
   - 64-bit driver D:\X64\DRIVERS\LAN-FAX
4. **Open the file "IfxShLnk.ini" that has been copied to your computer using a text editor.**
5. **Edit the items that are related to the prevention function.**

   Edit the following three items:

   - ConfirmFAXNo

     Syntax: ConfirmFAXNo=0/1/2/3/4/5/6/7/8/9/10

     Description: Specify the number of times the confirmation dialog box for reentering the destination number appears. Enter the number of times to prompt the user to reenter the destination from 0 to 10.

     Example: ConfirmFAXNo=1
   - ConfirmAddress

     Syntax: ConfirmAddress=ON/OFF

     Description: When set to "ON", the destination confirmation dialog appears.

     Example: ConfirmAddress=ON
   - ProhibitDirectAddress

     Syntax: ProhibitDirectAddress=ON/OFF

     Description: When set to "ON", the destination cannot be entered manually.

     Example: ProhibitDirectAddress=ON

6. **Save the configuration file that has been edited.**

Installing the LAN-FAX driver in "Add Printer"

Install the LAN-FAX driver after the configuration file has been edited.

1. **Open the printer window.**
   - Windows XP, Windows Server 2003:

     On the [Start] menu, select [Printers and Faxes].
   - Windows Vista, Windows Server 2008:

     On the [Start] menu, select [Control Panel], and then click [Printers] in [Hardware and Sound] category.
   - Windows 7, Windows Server 2008 R2:

     On the [Start] menu, select [Devices and Printers].
   - Windows 8/8.1, Windows Server 2012/2012 R2:

     On the desktop, point to the bottom-right corner, click [Settings], [Control Panel], and then [View devices and printers].
2. **Click [Add Printer] or [Add a printer].**
3. **Click [Add a local printer] or [The printer that I want isn't listed].**
4. **Click [Add a local printer or network printer with manual setting], and then click [Next] (Windows 8/8.1 or Windows Server 2012/2012 R2).**
5. **Select the port.**
   - To use the same port as the printer drive:
     1. Click [Use an existing port:].
     2. Select the same port as the one selected in the printer driver from the [Use an existing port:] list.
     3. Click [Next].
   - To use another Standard TCP/IP port:
     1. Click [Create a new port:].
     2. Select [Standard TCP/IP Port] in the [Type of port:] list.
     3. Click [Next].
     4. Enter the machine name or IP address in the [Hostname or IP address:] box.
     5. Click [Next].
6. **Select the manufacturer and model name of the machine you want to use, and then click [Next].**

7. **Change the machine name if you want, and then click [Next].**

   The installation starts.

8. **Follow the instructions that appear. Modify settings such as the default printer and printer sharing configuration, as necessary. You can also print a test page.**

9. **Click [Finish].**

   When you are prompted to restart your computer, restart it by following the instructions that appear.

Setting LAN-Fax Driver Properties

Note

- Manage Printers permission is required to set the properties for the LAN-Fax driver. Log on as an Administrators group member.
- The method for selecting the LAN-Fax driver will vary according to your operating system. For details, see Windows Help.

Setting Print Properties

This section explains how to make settings such as paper size or resolution.

1. **Open the printer window.**
   - Windows XP, Windows Server 2003/2003 R2:

     On the [Start] menu, select [Printers and Faxes].
   - Windows Vista, Windows Server 2008:

     On the [Start] menu, select [Control Panel], and then click [Printers] in [Hardware and Sound] category.
   - Windows 7, Windows Server 2008 R2:

     On the [Start] menu, select [Devices and Printers].
   - Windows 8/8.1, Windows Server 2012/2012 R2:

     On the desktop, point to the bottom-right corner, click [Settings], [Control Panel], and then [View devices and printers].
2. **Open the printer properties dialog box.**
   - Windows XP/Vista, Windows Server 2003/2003 R2/2008:

     Right-click the [LAN-Fax Generic] icon, and then click [Printing Preferences...].
   - Windows 7/8/8.1, Windows Server 2008 R2/2012/2012 R2:

     Right-click the [LAN-Fax Generic] icon, and then click [Printing preferences].
3. **Set the following properties.**
   - Document Size:
   - Orientation:
   - Input Tray:
   - Resolution:
4. **Click [OK].**

Configuring Option Settings for the Facsimile

1. **Open the printer windows.**
   - Windows XP, Windows Server 2003/2003 R2:

     On the [Start] menu, select [Printers and Faxes].
   - Windows Vista, Windows Server 2008:

     On the [Start] menu, select [Control Panel], and then click [Printers] in [Hardware and Sound] category.
   - Windows 7, Windows Server 2008 R2:

     On the [Start] menu, select [Devices and Printers].
   - Windows 8/8.1, Windows Server 2012/2012 R2:

     On the desktop, point to the bottom-right corner, click [Settings], [Control Panel], and then [View devices and printers].
2. **Open the printer properties dialog box.**
   - Windows XP/Vista, Windows Server 2003/2003 R2/2008:

     Right-click the [LAN-Fax Generic] icon, and then click [Printing Preferences...].
   - Windows 7/8/8.1, Windows Server 2008 R2/2012/2012 R2:

     Right-click the [LAN-Fax Generic] icon, and then click [Printing preferences].
3. **Click the [Accessories] tab, and then make the settings for the option configuration.**
4. **Select the check boxes for the installed optional units.**
5. **Click [Apply].**

   Option configuration settings are complete.
6. **Click [OK].**

[Accessories] tab

The [Accessories] tab contains the following items besides option configuration items.

- Enable E-mail

  Check this when using Internet Fax with the LAN-Fax function.
- Prohibit manual destination entry

  Check this option when prohibiting manual destination entry.
- IP-Fax

  Check this option when using IP-Fax.

  After checking this option, select a protocol by selecting from the list.

Note

- If the options on this machine are not configured as instructed, LAN-Fax functions may fail.

- If this machine is connected to a network and SmartDeviceMonitor for Client is installed on your computer, configuration of each option installed on the machine will be performed automatically. If the settings do not match the installed optional units, click [Load from Device].

5. Troubleshooting

This chapter provides solutions for driver installation and USB connection problems.

Messages Displayed When Installing the Printer Driver

This section describes what to do if a message appears when installing the printer driver.

Message number 58 or 34 indicates that the printer driver cannot be installed using Auto Run. Install the printer driver using Add Printer Wizard.

Message number 58 appears if there is a newer version of the printer driver already installed.

1. **Open the printer window.**
   - Windows XP, Windows Server 2003/2003 R2:

     On the [Start] menu, select [Printers and Faxes].
   - Windows Vista, Windows Server 2008:

     On the [Start] menu, select [Control Panel], and then click [Printers] in [Hardware and Sound] category.
   - Windows 7, Windows Server 2008 R2:

     On the [Start] menu, select [Devices and Printers].
   - Windows 8/8.1, Windows Server 2012/2012 R2:

     On the desktop, point to the bottom-right corner, click [Settings], [Control Panel], and then [View devices and printers].
2. **Click [Add a printer].**
3. **Follow the instructions in Add Printer Wizard.**

   If the CD-ROM drive is D, the source files of the printer driver are stored in the following locations:
   - PCL 5e

     32-bit driver D:\X86\DRIVERS\PCL5E\XP_VISTA\(Language)\DISK1

     64-bit driver D:\X64\DRIVERS\PCL5E\X64\(Language)\DISK1
   - PCL 6

     32-bit driver D:\X86\DRIVERS\PCL6\XP_VISTA\MUI\DISK1

     64-bit driver D:\X64\DRIVERS\PCL6\X64\MUI\DISK1
   - PostScript 3

     32-bit driver D:\X86\DRIVERS\PS\XP_VISTA\MUI\DISK1

     64-bit driver D:\X64\DRIVERS\PS\X64\MUI\DISK1

For details about the languages supported in the printer drivers, see page 6 "Supported languages".

4. **Specify a port.**

Note

- Available ports vary according to your Windows operating system or the type of interface. For details, see page 11 "Confirming the Connection Method".

If USB Connection Fails

This section describes how to troubleshoot a problem related to USB connections.

Problem	Causes	Solutions
The machine is not automatically recognized.	The USB cable is not connected properly.	Disconnect the USB cable from the computer, and then turn off the main power switch. Turn on the main power switch again. When the machine has fully booted up, reconnect the USB cable.
Windows has already configured the USB settings.	Check whether the computer has identified the machine as an unsupported device.	Open Windows' Device Manager, and then, under [Universal Serial Bus controllers], remove any conflicting devices. Conflicting devices have a [!] or [?] icon by them. Take care not to accidentally remove required devices. For details, see Windows Help.
The machine does not recognize the USB connection even when a USB cable is inserted.	If the USB cable is connected while the machine is off, the machine might not recognize the USB connection.	Press the operation switch, and then disconnect the USB cable from the computer. When the machine has returned to the ready condition, reconnect the USB cable.

6. Installing the Printer Driver Under Mac OS X

This chapter explains how to install and configure the printer drivers for use on the Mac OS X operating system using Mac OS X 10.5 as an example.

Installing the PPD Files

To print using the printer specific features under Mac OS X, install the PPD files.

Important

- You need an administrator name and a password (phrase). For details, consult your network administrator.
- For the latest information on the corresponding operating system, see the "Readme.txt" file in the DRIVERS folder.

1. Quit all applications. (Do not close this manual.)
2. Insert the provided CD-ROM into the computer's CD-ROM drive.
3. Double-click the CD-ROM drive icon.
4. Double-click the [Mac OS X] folder.
5. Double-click the [(brand name)] folder.
6. Double-click the [Mac OS X 10.5 or later] folder.
7. Double-click the [MacOSX PPD Installer] folder.
8. Double-click the package file icon.
9. Follow the instructions on the screen.

Note

- The PPD files will be automatically installed in the following location:
- \Library\Printers\PPDs\Contents\Resources\

Registering the Printer

To use the machine, the printer must be registered in the printer list.

Make sure the machine and computer are connected and turned on, and perform the following procedure.

For how to connect the machine to the computer, see "Connecting the Machine", Connecting the Machine/ System Settings.

Important

- **Depending on the machine you are using, PostScript 3 unit must be installed.**

Note

- When printing with a USB connection to a Macintosh computer, the printer language does not change automatically. Use the control panel on this machine to change the printer language to [Auto Detect] or [PS] before printing.
- The operating procedure under Mac OS X differs depending on the version of the operating system. Consult the procedure described in this manual, and make the necessary settings according to the manual of each version.

USB Connection

Important

- **Make sure the computer and the printer are connected using the USB cable, and the power of the devices are turned on beforehand.**

1. **Start System Preferences.**
2. **Click [Print & Fax] or [Print & Scan].**
3. **Click the [+] button.**
4. **Click [Default].**
5. **Select the printer that has "USB" indicated in the [Kind] column.**
6. **Select the printer you are using from the [Print Using:] pop-up menu.**

   If the printer you are using is not selected in [Print Using:], select its manufacturer, [Select a driver to use...], or [Select Printer Software...] in the pop-up menu, and then select the PPD file of the printer. For the location of the PPD files, see page 59 "Installing the PPD Files".
7. **Click [Add].**

   If the option settings need to be configured, click [Configure...] in the dialog box that appears, and then configure the option settings.
8. **Quit System Preferences.**

Network Connection

1. **Start System Preferences.**
2. **Click [Print & Fax] or [Print & Scan].**
3. **Click the [+] button.**
4. **Click [Default].**
5. **Select the printer that has "Bonjour" indicated in the [Kind] column.**

   If the printer name is not displayed, select the icon that corresponds to your network environment (TCP/IP, etc.).
6. **Select the printer you are using from the [Print Using:] pop-up menu.**

   If the printer you are using is not selected in [Print Using:], select its manufacturer, [Select a driver to use...], or [Select Printer Software...] in the pop-up menu, and then select the PPD file of the printer. For the location of the PPD files, see page 59 "Installing the PPD Files".
7. **Click [Add].**

   If the option settings need to be configured, click [Configure...] in the dialog box that appears, and then configure the option settings.
8. **Quit System Preferences.**

Configuring Option Settings for the Printer Under Mac OS X

This section explains how to configure the printer driver.

1. **Start System Preferences.**
2. **Click [Print & Fax] or [Print & Scan].**
3. **Select the printer you are using, and then click [Options & Supplies...].**
4. **Click [Driver], and then configure settings as needed.**
5. **Click [OK].**
6. **Quit System Preferences.**

Note

- If the option you want to select is not displayed, PPD files may not be set up correctly. To complete the setup, check the name of the PPD file displayed in the dialog box.

7. Appendix

Updating or Deleting the Driver

Important

- **Administrator permission is required to update or delete the driver in use. Log on as an Administrators group member.**
- **For driver updates, select a driver that is compatible with the printer and driver type you are using. An error may result if you select a driver that is not compatible with the printer and driver type.**

Note

- If the [User Account Control] dialog box appears, click [Yes] or [Continue].
- If the [Windows Security] dialog box appears, click [Install this driver software anyway].

Updating the Driver

Printer driver / LAN-Fax driver

You can download the most recent version of the driver from the manufacturer's Web site. Download the latest driver, and then perform the following procedure.

1. **Open the printer window.**
   - Windows XP, Windows Server 2003:

     On the [Start] menu, select [Printers and Faxes].
   - Windows Vista, Windows Server 2008:

     On the [Start] menu, select [Control Panel], and then click [Printers] in [Hardware and Sound] category.
   - Windows 7, Windows Server 2008 R2:

     On the [Start] menu, select [Devices and Printers].
   - Windows 8/8.1, Windows Server 2012/2012 R2:

     On the desktop, point to the bottom-right corner, click [Settings], [Control Panel], and then [View devices and printers].
2. **Open the printer properties dialog box.**
   - Windows XP/Vista, Windows Server 2003/2008:

     Right-click the machine's icon, and then click [Properties].
   - Windows 7/8/8.1, Windows Server 2008 R2/2012/2012 R2:

Right-click the machine's icon, and then click [Printer properties].

3. **Click the [Advanced] tab.**
4. **Click [New Driver...], and then click [Next].**
5. **Click [Have Disk...].**
6. **Click [Browse...], and then select the driver location.**
7. **Click [OK].**
8. **Select the machine model, and then click [Next].**

   The driver update starts.
9. **Click [Finish].**
10. **Click [OK] to close the printer properties window.**
11. **Restart the computer.**

PPD files(Mac OS X), TWAIN driver

You can download the most recent version of the drivers from the manufacturer's Web site.

Delete the old version of the driver first, and then install the new driver. For details about how to delete the driver, see page 64 "Deleting the Driver".

Deleting the Driver

Printer driver / LAN-Fax driver

Windows XP, Windows Server 2003/2003 R2

1. **On the [Start] menu, click [Printers and Faxes].**
2. **Right-click the icon of the machine you want to delete, and then click [Delete].**
3. **Click [Server Properties] on the [File] menu.**
4. **Click the [Drivers] tab.**
5. **Select the driver you want to delete, and then click [Remove].**
6. **Click [Yes].**
7. **Click [Close] to close the print server properties window.**

Windows Vista, Windows Server 2008

1. **On the [Start] menu, select [Control Panel], and then click [Printers] in [Hardware and Sound] category.**
2. **Right-click the icon of the machine you want to delete, and then click [Delete].**

3. On the [File] menu, point to [Run as administrator], and then click [Server Properties...].
4. Click the [Drivers] tab.
5. Select the driver you want to delete, and then click [Remove...].
6. Select [Remove driver and driver package.], and then click [OK].
7. Click [Yes].
8. Click [Delete].
9. Click [OK].
10. Click [Close] to close the print server properties window.

Windows 7, Windows Server 2008 R2

1. On the [Start] menu, click [Devices and Printers].
2. Right-click the icon of the machine you want to delete, and then click [Remove Device].
3. Click [Yes].
4. Click any machine icon, and then click [Print server properties].
5. Click the [Drivers] tab.
6. Click the [Change Driver Settings] button if it is displayed.
7. Select the driver you want to delete, and then click [Remove...].
8. Select [Remove driver and driver package.], and then click [OK].
9. Click [Yes].
10. Click [Delete].
11. Click [OK].
12. Click [Close] to close the print server properties window.

Windows 8/8.1, Windows Server 2012/2012 R2:

1. On the desktop, point to the bottom-right corner, and then click [Settings].
2. Click [Control Panel].
3. Click [View devices and printers].
4. Right-click the icon of the machine you want to delete, and then click [Remove device].
5. Click [Yes].
6. Click any machine icon, and then click [Print server properties].
7. Click the [Drivers] tab.
8. Click the [Change Driver Settings] button if it is displayed.
9. Select the driver you want to delete, and then click [Remove...].
10. Select [Remove driver and driver package.], and then click [OK].

11. Click [Yes].
12. Click [Delete].
13. Click [OK].
14. Click [Close] to close the print server properties window.

PPD files(Mac OS X)

1. Start System Preferences.
2. Click [Print & Fax] or [Print & Scan].
3. Select the printer you want to delete, click the [−] button.

TWAIN driver

1. Start uninstaller.
   - Windows XP, Windows Server 2003/2003 R2:

     On the [Start] menu, select [Control Panel], and then click [Add or Remove Programs].
   - Windows Vista/7, Windows Server 2008 R2:

     On the [Start] menu, select [Control Panel], and then click [Uninstall a program].
   - Windows Server 2008:

     On the [Start] menu, select [Control Panel], and then double-click [Programs and Features].
   - Windows 8/8.1, Windows Server 2012/2012 R2:
     1. On the desktop, point to the bottom-right corner, and then click [Search].
     2. On the [Apps] screen, click [Default Programs].
     3. Click [Programs and Features].
2. Remove the TWAIN driver.
   - Windows XP, Windows Server 2003/2003 R2:
     1. Select [(model type) TWAIN Driver Ver.5].
     2. Click [Change/Remove].
   - Windows Vista/7, Windows Server 2008/2008 R2:
     1. Select [(model type) TWAIN Driver Ver.5].
     2. Click [Uninstall/Change].
   - Windows 8/8.1, Windows Server 2012/2012 R2:
     1. Select [(model type) TWAIN Driver Ver.5].
     2. Click [Uninstall].

3. Click [OK].

3. Quit uninstaller.

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  Microsoft® Windows Server® 2012 Standard
  Microsoft® Windows Server® 2012 Datacenter
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MEMO