



Operating Instructions

Driver Installation Guide

-
- 1 About Quick Install
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Introduction

This manual contains detailed instructions and notes on the operation and use of this machine. For your safety and benefit, read this manual carefully before using the machine. Keep this manual in a handy place for quick reference.

Do not copy or print any item for which reproduction is prohibited by law.

Copying or printing the following items is generally prohibited by local law:

bank notes, revenue stamps, bonds, stock certificates, bank drafts, checks, passports, driver's licenses.

The preceding list is meant as a guide only and is not inclusive. We assume no responsibility for its completeness or accuracy. If you have any questions concerning the legality of copying or printing certain items, consult with your legal advisor.

Important

Contents of this manual are subject to change without prior notice.

In no event will the company be liable for direct, indirect, special, incidental, or consequential damages as a result of handling or operating the machine.

For good print quality, the manufacturer recommends that you use genuine toner from the manufacturer.

The manufacturer shall not be responsible for any damage or expense that might result from the use of parts other than genuine parts from the manufacturer with your office products.

Some illustrations in this manual might be slightly different from the machine.

Certain options might not be available in some countries. For details, please contact your local dealer.

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Installing the Printer Drivers

This section provides a brief overview of the procedures for installing the printer drivers under Windows and Mac OS X.

★ Important

- You can install the printer driver from the CD-ROM provided with this printer or download it from the manufacturer's Web site.
- A Windows 64-bit driver for your particular printer might not be included on the supplied CD-ROM. If this is the case, visit the Web site of your printer's manufacturer and download the appropriate driver.
- The PCL printer driver installer included on the provided CD-ROM is not usable under a 64-bit Windows operating system.

Windows Installation

- Quick Install

This method allows you to install the printer drivers easily from the CD-ROM provided.

If you select this installation method, the standard TCP/IP port will be automatically specified, and the PCL 6 driver will be installed across the network environment.

- Installation according to environment

You can manually specify which port you want to use, based on the configuration of your environment.

This method also allows you to configure the PCL and PostScript 3 drivers to print over a network or through a local connection.

If you install SmartDeviceMonitor for Client on your computer, the SmartDeviceMonitor for Client port will also be available. This port allows you to monitor the printer's status and check the results of its jobs.

Choose the installation method that is most appropriate for your environment, intended purpose, and connection type.

- Installation of 64-bit Drivers

This method allows you to manually install PCL and PostScript 3 printer drivers that are compatible with 64-bit Windows operating systems using the CD-ROM provided. For details about how to install 64-bit drivers, see "Installing Windows 64-bit Compatible Drivers".

Mac OS X Installation

If you install the PPD file for this printer into a Mac OS X, you can print over a network (using Bonjour) or through a local connection.

↓ Note

- The printer drivers included on the provided CD-ROM differ depending on the model of your printer.

Reference

- p.53 "Installing Windows 64-bit Compatible Drivers"

How to Read This Manual

Symbols

This manual uses the following symbols:

Important

Indicates points to pay attention to when using the machine, and explanations of likely causes of paper misfeeds, damage to originals, or loss of data. Be sure to read these explanations.

Note

Indicates supplementary explanations of the machine's functions, and instructions on resolving user errors.

Reference

This symbol is located at the end of sections. It indicates where you can find further relevant information.

[]

Indicates the names of keys on the machine's display or control panels.



1. About Quick Install

This chapter explains the "Quick Install" procedure. This installation method allows users to install the drivers easily, and requires minimal manual settings.

Quick Install

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

Using 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.**
- **If you connect using USB, see "Installing the Printer Driver Using USB" and install the printer driver.**

- 1. Close all applications except this manual.**
- 2. Insert the CD-ROM into the CD-ROM drive.**

The installer starts.

Auto Run may not work with certain operating system settings. If this happens, launch "Setup.exe" on the CD-ROM root directory.

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

The default interface language is English.

- 4. On the CD-ROM menu, click [Quick Install].**

The software license agreement appears in the [License Agreement] dialog box.

- 5. After reading the agreement, click [I accept the agreement.] and then click [Next].**

- 6. Select the printer model you want to use in the [Select Printer] dialog box.**

For network connection via TCP/IP, select the printer whose IP address is displayed in [Connect To].

For parallel connection, select the printer whose printer port is displayed in [Connect To].

- 7. Click [Install].**

The printer driver installation starts.

The PCL 6 printer driver is installed in the language specified by your operating system.

- 8. Click [Finish].**

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

- 9. Click [Exit] in the first dialog box of the installer, and then take out the CD-ROM.**

↓ Note

- To stop installation of the selected software, click [Cancel] before the installation is complete.

- Quick Install is not available unless bidirectional communication between the printer and computer is enabled via parallel connection. For details about bidirectional communication between the printer and computer, see "Making Option Settings for the Printer".

1 **Reference**

- p.37 "Installing the Printer Driver Using USB"
- p.59 "Making Option Settings for the Printer"

2. Network Connection

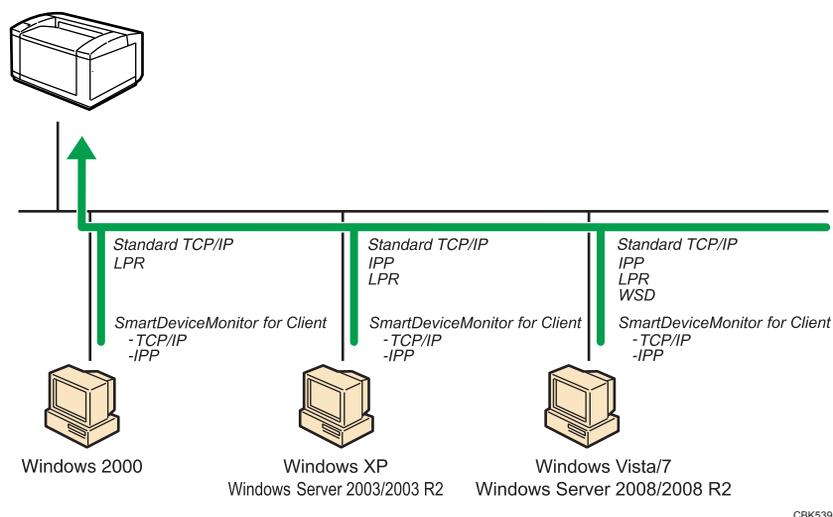
This chapter explains how to install the printer driver under Windows for a network-connected printer. Before installing the printer driver, check how the printer is connected. Follow the driver installation procedure that is appropriate for the connection method.

Confirming the Connection Method

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

Using This Printer as the Windows Printing Port

Network connections can be established through Ethernet and Wireless LAN. Available ports are determined based on the combination of the Windows operating system version and connection method used.



Windows 2000/XP, Windows Server 2003/2003 R2

Connection Method	Available Ports
<ul style="list-style-type: none">EthernetWireless LAN	<ul style="list-style-type: none">Standard TCP/IP portIPP portLPR portSmartDeviceMonitor for Client port

Windows Vista/7, Windows Server 2008/2008 R2

Connection Method	Available Ports
<ul style="list-style-type: none"> • Ethernet • Wireless LAN 	<ul style="list-style-type: none"> • Standard TCP/IP port • IPP port • LPR port • WSD port • SmartDeviceMonitor for Client port

Note

- See the explanation about how to install the printer driver for each type of ports.
- For details about the Standard TCP/IP port, see "Using the Standard TCP/IP port".
- For details about the IPP port, see "Using the IPP port".
- For details about the LPR port, see "Using the LPR port".
- For details about the WSD port, see "Using the WSD port".
- For details about the SmartDeviceMonitor for Client port, see "Using the SmartDeviceMonitor for Client port".

Reference

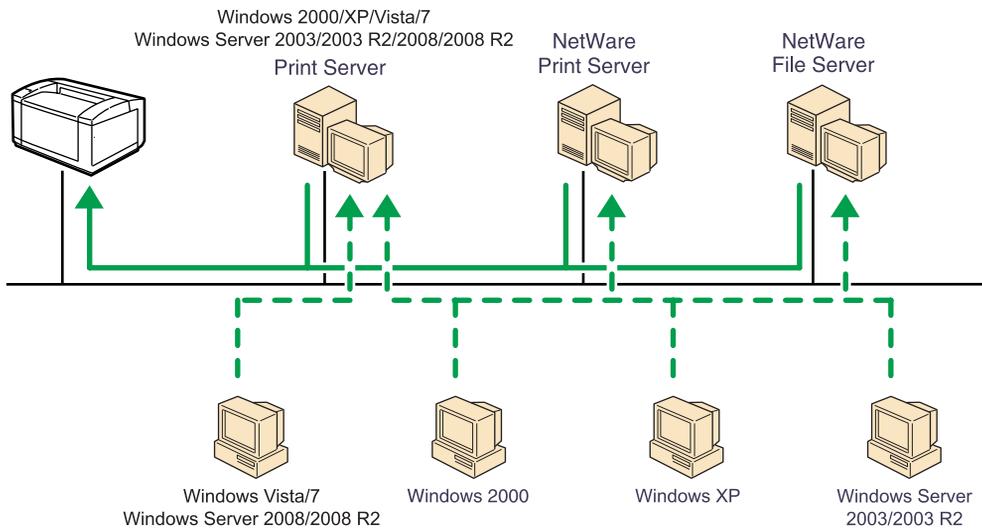
- p.12 "Using the Standard TCP/IP Port"
- p.15 "Using the IPP Port"
- p.17 "Using the LPR Port"
- p.19 "Using the WSD Port"
- p.22 "Using the SmartDeviceMonitor for Client Port"

Using as the Network Printer

This printer can be used as the Windows network printer, a NetWare print server, or a NetWare remote printer.

Important

- IPX/SPX (NetWare) cannot be used under Windows XP x64/Vista/7 and Windows Server 2003 x64/2003 R2 x64/2008/2008 R2.



Note

- In an IPv6 environment, NetWare servers cannot be used.
- See the explanation about how to install the printer driver for each type of network printers.
- For details about Windows network printer, see "Using as the Windows Network Printer".
- For details about a NetWare print server and remote printer, see "Using as the NetWare Print Server/Remote Printer".

Reference

- p.30 "Using as the Windows Network Printer"
- p.33 "Using as the NetWare Print Server/Remote Printer"

Installing the Printer Driver for the Selected Port

You can install the appropriate driver according to the port you want to use.

2

Using the Standard TCP/IP Port

This describes how to install the PCL or PostScript 3 printer drivers using the Standard TCP/IP port.

★ 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.**

Installing the PCL printer driver

1. **Close all applications except this manual.**
2. **Insert the CD-ROM into the CD-ROM drive.**

The installer starts.

Auto Run may not work with certain operating system settings. If this happens, launch "Setup.exe" on the CD-ROM root directory.

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

The default interface language is English.

4. **Click [PCL Printer Driver].**

The software license agreement appears in the [License Agreement] dialog box.

5. **After reading the agreement, select the [I accept the agreement.] check box, and then click [Next].**

6. **In the [Select Program] dialog box, select the check box of the printer driver you want to use.**

You can select several printer drivers.

The PCL 6 printer driver is installed in the language specified by your operating system.

7. **Click [Next].**

8. **Select the check box of the printer model you want to use.**

The printer name can be changed in the Change settings for 'Printer Name' box.

9. Double-click the printer name to display the printer settings.

The details shown in [Comment], [Driver], and [Port] vary depending on the operating system, printer model, and port.

10. Click [Port], and then click [Add].**11. Click [Standard TCP/IP Port], and then click [OK].**

See Windows Help if [Standard TCP/IP Port] does not appear.

12. Click [Next].**13. Enter the printer name or IP address in the [Printer Name or IP Address] box.**

The [Port Name] text box automatically obtains a port name. Change this name if necessary.

When the device type selection appears, select "RICOH Network Printer C model".

14. Click [Next].**15. Click [Finish].****16. Check that the port of the selected printer is displayed in [Port].****17. Configure the user code, default printer, and shared printer as necessary.****18. Click [Continue].****19. Click [Finish].****20. Click [Finish].**

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

Note

- To stop installation of the selected driver, click [Cancel] before installation is complete.
- 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 "Messages Displayed When Installing the Printer Driver".

Reference

- p.56 "Messages Displayed When Installing the Printer Driver"

Installing the PostScript 3 printer driver**1. Close all applications except this manual.****2. Insert the CD-ROM into the CD-ROM drive.**

The installer starts.

Auto Run may not work with certain operating system settings. If this happens, launch "Setup.exe" on the CD-ROM root directory.

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

The default interface language is English.

The printer driver with the selected language will be installed. The English printer driver is installed when the following language is selected: Suomi, Magyar, Cestina, Polski, Portugues, Russian.

4. Click [PostScript 3 Printer Driver].

Under Windows Vista/7, and Windows Server 2008, proceed to step 6.

5. Click [Next].

6. Click [Local printer attached to this computer], and then click [Next].

Under Windows 2000, click [Local printer], and then click [Next].

Under Windows Vista/7, and Windows Server 2008, click [Add a local printer].

7. Click [Create a new port:].

8. Select [Standard TCP/IP Port] and then click [Next].

Under Windows Vista/7, and Windows Server 2008, proceed to step 10.

9. Click [Next] in the [Add Standard TCP/IP Printer Port Wizard] dialog box.

10. Enter the printer name or IP address in the [Printer Name or IP Address] or [Hostname or IP address] box, and then click [Next].

The [Port Name] text box automatically obtains a port name. Change this name if necessary.

When screen for device type selection appears, select "RICOH Network Printer C model".

Under Windows Vista/7, and Windows Server 2008, proceed to step 12.

11. Click [Finish].

12. Select that the brand name and model name of the printer whose driver you want to install is selected, 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 the test page.

14. Click [Finish].

Note

- To stop installation of the selected driver, click [Cancel] before installation is complete.
- 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 "Messages Displayed When Installing the Printer Driver".

Reference

- p.56 "Messages Displayed When Installing the Printer Driver"

Using the IPP Port

This describes how to install the PCL or PostScript 3 printer driver using the IPP port.

★ 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 IPP Port. Use the SmartDeviceMonitor for Client port.
- The IPP port cannot be used under Windows 2000. If you are using Windows 2000, install the printer driver using the SmartDeviceMonitor for Client port. To use the SmartDeviceMonitor for Client port, you must first download SmartDeviceMonitor for Client from the manufacturer's Web site. For details about the SmartDeviceMonitor for Client port, see "Using 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 or Windows Server 2008/2008 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 printer, 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 or Windows Server 2008/2008 R2. 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 printer.
- To print via IPP-SSL, use the SmartDeviceMonitor for Client port.

1. Close all applications except this manual.
2. Open the window for configuring printers. For details, see your operating system's Help.
3. Click [Add a printer] or double click [Add Printer] icon.

Under Windows Vista/7, and Windows Server 2008, proceed to step 5.

4. Click [Next].
5. Check the [A network printer, or a printer attached to another computer] check box, and then click [Next].

Under Windows Vista/7, Windows Server 2008, click [Add a network, wireless or Bluetooth printer], and click [The printer that I want isn't listed].

Under Windows 2000, Select [Network printer], and then Click [Next].

6. Select [Browse for a printer], and then click [Next].

Under Windows 2000, Select [Connect to a printer on the Internet or on your intranet].

7. In the [printer:] or [URL:] box, enter "http://(printer's IP address or host name)/printer (or ipp)" as the printer's address, and then click [Next] or [Select].

8. Click [Have Disk...].**9. Insert the provided CD-ROM into the computer's CD-ROM drive.**

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

10. 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
D:\DRIVERS\PCL5E\XP_VISTA\{(language)}\DISK1
- PCL 5c
D:\DRIVERS\PCL5C\XP_VISTA\{(language)}\DISK1
- PCL 6
D:\DRIVERS\PCL6\XP_VISTA\MUI\DISK1
- PostScript 3
D:\DRIVERS\PS\XP_VISTA\MUI or (language)\DISK1

If the file path of the printer driver contains the word "MUI", the driver will be installed in the language of the operating system.

The PostScript 3 printer driver with the selected language will be installed. The English printer driver is installed when the following language is selected: Suomi, Magyar, Cestina, Polski, Portugues, Russian.

11. Click [OK] to close the [Install From Disk] window.**12. Select brand name and model name of the printer you want to use, and then click [OK].****13. Check the printer name.**

Under Windows 7, click [Next].

14. Configure the default printer as necessary, and then click [Next].

If the [Windows can't verify the publisher of this driver software] message appears, click [Install this driver software anyway].

Under Windows 7, configure the default printer as necessary.

15. Click [Finish].

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

Note

- To stop installation of the selected driver, click [Cancel] before installation is complete.

Reference

- p.22 "Using the SmartDeviceMonitor for Client Port"

Using the LPR Port

This describes how to install the PCL or PostScript 3 printer drivers using the LPR port.

★ 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 LPR Port. Use the SmartDeviceMonitor for Client port.**

2

Installing the PCL printer driver

1. **Close all applications except this manual.**
2. **Insert the CD-ROM into the CD-ROM drive.**

The installer starts.

Auto Run may not work with certain operating system settings. If this happens, launch "Setup.exe" on the CD-ROM root directory.
3. **Select an interface language, and then click [OK].**

The default interface language is English.
4. **Click [PCL Printer Driver].**

The software license agreement appears in the [License Agreement] dialog box.
5. **After reading the agreement, select the [I accept the agreement.] check box, and then click [Next].**
6. **In the [Select Program] dialog box, select the check box of the printer driver you want to use.**

You can select several printer drivers.

The PCL 6 printer driver is installed in the language specified by your operating system.
7. **Click [Next].**
8. **Select the check box of the printer model you want to use.**

The printer name can be changed in the Change settings for 'Printer Name' box.
9. **Double-click the printer name to display the printer settings.**

The details shown in [Comment], [Driver], and [Port] vary depending on the operating system, printer model, and port.
10. **Click [Port], and then click [Add].**
11. **Click [LPR Port], and then click [OK].**

If [LPR Port] does not appear, see Windows Help and install it.
12. **Enter the printer's IP address in the [Name or address of server providing lpd] box.**

13. Enter "lp" in the [Name of printer or print queue on that server] box, and then click [OK].

The port is added.

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].
17. Click [Finish].
18. Click [Finish].

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

 **Note**

- To stop installation of the selected driver, click [Cancel] before installation is complete.
- 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 "Messages Displayed When Installing the Printer Driver".

 **Reference**

- p.56 "Messages Displayed When Installing the Printer Driver"

Installing the PostScript 3 printer driver

1. Close all applications except this manual.
2. Insert the CD-ROM into the CD-ROM drive.

The installer starts.

Auto Run may not work with certain operating system settings. If this happens, launch "Setup.exe" on the CD-ROM root directory.

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

The default interface language is English.

The printer driver with the selected language will be installed. The English printer driver is installed when the following language is selected: Suomi, Magyar, Cestina, Polski, Portugues, Russian.

4. Click [PostScript 3 Printer Driver].
Under Windows Vista/7, and Windows Server 2008, proceed to step 6.
5. Click [Next].
6. Click [Local printer attached to this computer], and then click [Next].
Under Windows 2000, click [Local printer], and then click [Next].
Under Windows Vista/7, and Windows Server 2008, click [Add a local printer].
7. Click [Create a new port:].

8. Select [LPR Port], and then click [Next].
9. Enter the printer's IP address in the [Name or address of server providing lpd] box.
10. Enter "lp" in the [Name of printer or print queue on that server] box, and then click [OK].
11. Select brand name and model name of the printer you want to use, and then click [Next].
12. Follow the instructions that appear. Modify settings such as printer name, default printer, and printer sharing configuration, as necessary. You can also print the test page.
13. Click [Finish].

↓ Note

- To stop installation of the selected software, click [Cancel] before the installation is complete.
- 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 "Messages Displayed When Installing the Printer Driver".

📖 Reference

- p.56 "Messages Displayed When Installing the Printer Driver"

Using the WSD Port

This describes how to install the PCL or PostScript 3 printer drivers using the WSD port.

★ Important

- The WSD port can be used only under Windows Vista/7 or Windows Server 2008/2008 R2.
- Manage Printers permission is required to install the drivers. Log on as an Administrators group member.
- 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 - WSD port

1. Close all applications except this manual.
2. On the [Start] menu, click [Network].
The [Network] window appears, and the device search begins automatically.
3. Right-click the icon of printer model you want to use, and then click [Install].
If the [User Account Control] dialog box appears, click [Continue].
The [Found New Hardware] dialog box appears.
4. Click [Locate and install driver software (Recommended)].
If the [User Account Control] dialog box appears, click [Continue].

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 the [Close] button.

7. 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
D:\DRIVERS\PCL5E\XP_VISTA\([language])\DISK1
- PCL 5c
D:\DRIVERS\PCL5C\XP_VISTA or x64\([language])\DISK1
- PCL 6
D:\DRIVERS\PCL6\XP_VISTA or x64\MUI\DISK1
- PostScript 3
D:\DRIVERS\PS\XP_VISTA or x64\MUI or ([language])\DISK1

If the file path of the printer driver contains the word "MUI", the driver will be installed in the language of the operating system.

The PostScript 3 printer driver with the selected language will be installed. The English printer driver is installed when the following language is selected: Suomi, Magyar, Cestina, Polski, Portugues, Russian.

8. Click **[Next]**.

If the [Windows can't verify the publisher of this driver software] message appears, click [Install this driver software anyway].

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 - WSD port

1. Close all applications except this manual.
2. On the [Start] menu, click [Computer].
3. Click [Network].

4. Right-click the icon of printer model you want to use, and then click [Install].

Installation begins automatically. If the "Device driver software was not successfully installed" message appears, close the message and proceed to step 5.

5. On the [Start] menu, click [Devices and Printers].**6. Click [Add a printer].****7. Click [Add a local printer].****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 the [Close] button.

12. 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
D:\DRIVERS\PCL5E\XP_VISTA\{(language)\DISK1
- PCL 5c
D:\DRIVERS\PCL5C\XP_VISTA or x64\{(language)\DISK1
- PCL 6
D:\DRIVERS\PCL6\XP_VISTA or x64\MUI\DISK1
- PostScript 3
D:\DRIVERS\PS\XP_VISTA or x64\MUI or (language)\DISK1

If the file path of the printer driver contains the word "MUI", the driver will be installed in the language of the operating system.

The PostScript 3 printer driver with the selected language will be installed. The English printer driver is installed when the following language is selected: Suomi, Magyar, Cestina, Polski, Portugues, Russian.

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

- 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].

2

Using the SmartDeviceMonitor for Client Port

This describes how to install the printer driver using the SmartDeviceMonitor for Client port.

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.

★ Important

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

Installing the PCL printer driver (TCP/IP)

- 1. Close all applications except this manual.**
- 2. Insert the CD-ROM into the CD-ROM drive.**

The installer starts.

Auto Run may not work with certain operating system settings. If this happens, launch "Setup.exe" on the CD-ROM root directory.
- 3. Select an interface language, and then click [OK].**

The default interface language is English.
- 4. Click [PCL Printer Driver].**

The software license agreement appears in the [License Agreement] dialog box.
- 5. After reading the agreement, select the [I accept the agreement.] check box, and then click [Next].**
- 6. In the [Select Program] dialog box, select the check box of the printer driver you want to use.**

You can select several printer drivers.

The PCL 6 printer driver is installed in the language specified by your operating system.
- 7. Click [Next].**
- 8. Select the check box of the printer model you want to use.**

The printer name can be changed in the Change settings for 'Printer Name' box.

9. Double-click the printer name to display the printer settings.

The details shown in [Comment], [Driver], and [Port] vary depending on the operating system, printer model, and port.

10. Click [Port], and then click [Add].**11. Select [SmartDeviceMonitor], and then click [OK].****12. Click [TCP/IP], and then click [Search].**

A list of printers using TCP/IP appears.

13. Select the printer you want to use, and then click [OK].

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

14. Check that the port of the selected printer is displayed in [Port Name].**15. Configure the user code, default printer, and shared printer as necessary.****16. Click [Continue].****17. Click [Finish].****18. Click [Finish].****Note**

- To stop installation of the selected software, click [Cancel] before the installation is complete.
- 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 "Messages Displayed When Installing the Printer Driver".
- A user code can be set after the printer driver installation. For information about user code, see the printer driver Help.

Reference

- p.56 "Messages Displayed When Installing the Printer Driver"

Installing the PostScript 3 printer driver (TCP/IP)**1. Close all applications except this manual.****2. Insert the CD-ROM into the CD-ROM drive.**

The installer starts.

Auto Run may not work with certain operating system settings. If this happens, launch "Setup.exe" on the CD-ROM root directory.

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

The default interface language is English.

The printer driver with the selected language will be installed. The English printer driver is installed when the following language is selected: Suomi, Magyar, Cestina, Polski, Portugues, Russian.

4. Click [PostScript 3 Printer Driver].

Under Windows Vista/7, and Windows Server 2008, proceed to step 6.

5. Click [Next].

6. Click [Local printer attached to this computer], and then click [Next].

Under Windows 2000, click [Local printer], and then click [Next].

Under Windows Vista/7, and Windows Server 2008, click [Add a local printer].

7. Click [Create a new port:].

8. Click [SmartDeviceMonitor], and then click [Next].

9. Click [TCP/IP], and then click [Search].

A list of printers using TCP/IP appears.

10. Select the printer you want to use, and then click [OK].

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

11. Select brand name and model name of the printer you want to use, and then click [Next].

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

13. Click [Finish].

Note

- To stop installation of the selected software, click [Cancel] before the installation is complete.
- 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 "Messages Displayed When Installing the Printer Driver".
- A user code can be set after the printer driver installation. For information about user code, see the printer driver Help.

Reference

- p.56 "Messages Displayed When Installing the Printer Driver"

Installing the PCL printer driver (IPP)

- 1. Close all applications except this manual.**
- 2. Insert the CD-ROM into the CD-ROM drive.**

The installer starts.

Auto Run may not work with certain operating system settings. If this happens, launch "Setup.exe" on the CD-ROM root directory.

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

The default interface language is English.

4. Click [PCL Printer Driver].

The software license agreement appears in the [License Agreement] dialog box.

5. After reading the agreement, select the [I accept the agreement.] check box, and then click [Next].

6. In the [Select Program] dialog box, select the check box of the printer driver you want to use.

The PCL 6 printer driver is installed in the language specified by your operating system.

7. Click [Next].

8. Select the check box of the printer model you want to use.

The printer name can be changed in the Change settings for 'Printer Name' box.

9. Double-click the printer name to display the printer settings.

The details shown in [Comment], [Driver], and [Port] vary depending on the operating system, printer model, and port.

10. Click [Port], and then click [Add].

11. Click [SmartDeviceMonitor], and then click [OK].

12. Click [IPP].

13. In the [Printer URL] box, enter "http://(printer's IP address or host name)/printer (or ipp)" as the printer's address.

If the server authentication is issued, to enable SSL (a protocol for encrypted communication), enter "https://printer's IP address/printer" (Internet Explorer 5.01, or a higher version must be installed). (example IP address: 192.168.15.16)

http://192.168.15.16/printer

https://192.168.15.16/printer

You can enter "http://printer's IP address/ipp" as the printer's address.

14. Enter a name for identifying the printer in [IPP Port Name]. 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.

15. Click [Detailed Settings] to make necessary settings.

For details about the settings, see SmartDeviceMonitor for Client Help.

16. Click [OK].

17. Check that the port of the selected printer is displayed in [Port].
18. Configure the user code, default printer, and shared printer as necessary.
19. Click [Continue].
20. Click [Finish].
21. Click [Finish].

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

Note

- To stop installation of the selected software, click [Cancel] before the installation is complete.
- 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 "Messages Displayed When Installing the Printer Driver".

Reference

- p.56 "Messages Displayed When Installing the Printer Driver"

Installing the PostScript 3 printer driver (IPP)

1. Close all applications except this manual.
2. Insert the CD-ROM into the CD-ROM drive.

The installer starts.

Auto Run may not work with certain operating system settings. If this happens, launch "Setup.exe" on the CD-ROM root directory.

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

The default interface language is English.

The printer driver with the selected language will be installed. The English printer driver is installed when the following language is selected: Suomi, Magyar, Cestina, Polski, Portugues, Russian.

4. Click [PostScript 3 Printer Driver].
Under Windows Vista/7, and Windows Server 2008, proceed to step 6.

5. Click [Next].

6. Click [Local printer attached to this computer], and then click [Next].

Under Windows 2000, click [Local printer], and then click [Next].

Under Windows Vista/7, and Windows Server 2008, click [Add a local printer].

7. Click [Create a new port:].
8. Click [SmartDeviceMonitor], and then click [Next].
9. Click [IPP].

- 10. In the [Printer URL] box, enter "http://(printer's IP address or host name)/printer (or ipp)" as the printer's address.**

(example IP address: 192.168.15.16)

http://192.168.15.16/printer

If the server authentication is issued, to enable SSL (a protocol for encrypted communication), enter "https://(printer's IP address or host name)/printer" (Internet Explorer 5.01, or a higher version must be installed).

https://192.168.15.16/printer

You can enter "http://printer's IP address or host name/ipp" as the printer's address.

- 11. Enter a name for identifying the printer in [IPP Port Name]. Use a name different from the one of any existing port.**

If a name is not specified here, the address entered in the [Printer URL] box becomes the IPP port name.

- 12. Click [Detailed Settings] to make necessary settings.**

If you are using Windows 2000, click [OK] after making necessary settings.

For information about the settings, see SmartDeviceMonitor for Client Help.

- 13. Click [OK].**

- 14. Select brand name and model names of the printer you want to use, and then click [Next].**

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

- 16. Click [Finish].**

Note

- To stop installation of the selected software, click [Cancel] before the installation is complete.
- 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 "Messages Displayed When Installing the Printer Driver".

Reference

- p.56 "Messages Displayed When Installing the Printer Driver"

Changing the port settings for SmartDeviceMonitor for Client

Follow the procedure below to change the SmartDeviceMonitor for Client settings, such as TCP/IP protocol, recovery/parallel printing, and printer groups.

Windows 2000:

1. On the [Start] menu, point to [Settings], and then click [Printers].
The [Printers] window appears.
2. Click the icon of the printer you want to use. On the [File] menu, click [Properties].
3. On the [Ports] tab, click [Configure Port].
The [Port Configuration:] dialog box appears.

Windows XP, Windows Server 2003/2003 R2:

1. On the [Start] menu, click [Printers and Faxes].
The [Printers and Faxes] window appears.
2. Click the icon of the printer you want to use. On the [File] menu, click [Properties].
3. Click the [Ports] tab, and then click [Configure Port].
The [Port Configuration:] dialog box appears.

Windows Vista, Windows Server 2008:

1. On the [Start] menu, click [Control Panel].
The [Control Panel] window appears.
2. Click [Printer].
The [Printers] window appears.
3. Right-click the icon of the printer you want to use, and then click [Properties].
4. Click the [Ports] tab, and then click [Configure Port].
The [Port Configuration:] dialog box appears.

Windows 7, Windows Server 2008 R2:

1. On the [Start] menu, click [Devices and Printers].
The [Devices and Printers] window appears.
2. Right-click the icon of the printer you want to use, and then click [Printer Properties].
3. Click the [Ports] tab, and then click [Configure Port].
The [Port Configuration:] dialog box appears.

Note

- User, proxy, and timeout settings can be configured for IPP.
- If no settings on the [Recovery/Parallel Printing] tab are available, follow the procedure below.
 1. Click [Cancel] to close the [Port Configuration:] dialog box.

2. Start SmartDeviceMonitor for Client, and then right-click the SmartDeviceMonitor for Client icon on the task tray.
 3. Point to [Property], and then click [Extended Features Settings].
 4. Select the [Set Recovery/Parallel Printing for each port] check box.
 5. Click [OK] to close the [Extended Features] dialog box.
- For details about these settings, see "Using SmartDeviceMonitor for Client port", or SmartDeviceMonitor for Client Help.

Reference

- p.22 "Using the SmartDeviceMonitor for Client Port"

Using as the Windows Network Printer

This describes how to install the PCL or PostScript 3 printer driver when using the printer as the Windows network printer.

To use the print server, install the printer driver by selecting "Network printer server", and then select the Windows shared printer.

This section assumes that the client has already been configured to communicate with a Windows print server. Do not begin the following procedure before the client is set up and configured correctly.

★ Important

- **Manage Printers permission is required to install the drivers. Log on as an Administrators group member.**
- **If you print with a print server connected to the printer using the SmartDeviceMonitor port, Recovery Printing and Parallel Printing cannot be used from the client.**
- **If you print under a print server other than Windows 2000, notification functions of SmartDeviceMonitor may not be used with the client.**

Installing the PCL printer driver

1. **Close all applications except this manual.**
2. **Insert the CD-ROM into the CD-ROM drive.**

The installer starts.

Auto Run may not work with certain operating system settings. If this happens, launch "Setup.exe" on the CD-ROM root directory.

If [User Account Control] window appears, click [Continue] or [Yes].

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

The default interface language is English.

4. **Click [PCL Printer Driver].**

The software license agreement appears in the [License Agreement] dialog box.

5. **After reading the agreement, select the [I accept the agreement.] check box, and then click [Next].**

6. **In the [Select Program] dialog box, select the check box of the printer driver you want to use.**

You can select several printer drivers.

The PCL 6 printer driver is installed in the language specified by your operating system.

7. **Click [Next].**

8. Select the check box of the printer model you want to use.

The printer name can be changed in the Change settings for 'Printer Name' box.

9. Double-click the printer name to display the printer settings.

The details shown in [Comment], [Driver], and [Port] vary depending on the operating system, printer model, and port.

10. Click [Port], and then click [Add].**11. Click [Network Printer], and then click [OK].****12. Double-click the computer name you want to use as the print server in the [Browse for Printer] window.****13. Select the printer you want to use, and then click [OK].****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].****17. Click [Finish].****18. Click [Finish].**

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

Note

- A user code can be set after the printer driver installation. For information about user code, see the printer driver Help.
- To stop installation of the selected software, click [Cancel] before the installation is complete.
- 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 "Messages Displayed When Installing the Printer Driver".

Reference

- p.56 "Messages Displayed When Installing the Printer Driver"

Installing the PostScript 3 printer driver

1. Close all applications except this manual.**2. Insert the CD-ROM into the CD-ROM drive.**

The installer starts.

Auto Run may not work with certain operating system settings. If this happens, launch "Setup.exe" on the CD-ROM root directory.

If [User Account Control] window appears, click [Continue] or [Yes].

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

The default interface language is English.

The printer driver with the selected language will be installed. The English printer driver is installed when the following language is selected: Suomi, Magyar, Cestina, Polski, Portugues, Russian.

4. Click [PostScript 3 Printer Driver].

Under Windows Vista/7, and Windows Server 2008, proceed to step 6.

5. Click [Next].

6. Check the [A network printer, or a printer attached to another computer] check box, and then click [Next].

Under Windows Vista/7, Windows Server 2008, click [Add a network, wireless or Bluetooth printer], and click [The printer that I want isn't listed].

Under Windows 2000, Select [Network printer], and then Click [Next].

7. Select [Browse for a printer], and then click [Next].

Under Windows 2000, Select [Connect to a printer on the Internet or on your intranet].

8. Double-click the computer name you want to use as the print server in the [Shared printers] window.

9. Select brand name and printer names you want to use, and then click [OK].

10. Configure default printer as necessary and then click [Next].

11. Click [Finish].

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

Note

- A user code can be set after the printer driver installation. For information about user code, see the printer driver Help.
- To stop installation of the selected software, click [Cancel] before the installation is complete.
- 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 "Messages Displayed When Installing the Printer Driver".

Reference

- p.56 "Messages Displayed When Installing the Printer Driver"

Using as the NetWare Print Server/Remote Printer

This describes how to set up the Windows computer used as the NetWare client.

★ Important

- Under Windows 2000/XP, and Windows Server 2003/2003 R2, **Manage Printers** permission is required to install the drivers. Log on as an Administrators group member.
- **IPX/SPX (NetWare)** cannot be used under Windows XP x64/Vista/7 and Windows Server 2003 x64/2003 R2 x64/2008/2008 R2.

The following explanation assumes NetWare Client is installed on the client computer and the NetWare server environment is correctly set up. Install all necessary client applications before following this procedure.

Set up the printer driver while logging on to the NetWare file server.

The following values are used in the example:

- NetWare version: 4.1
- File server name: CAREE
- Queue name: R-QUEUE

- 1. Close all applications except this manual.**
- 2. Insert the CD-ROM into the CD-ROM drive.**

The installer starts.

Auto Run may not work with certain operating system settings. In that case, launch "Setup.exe" on the CD-ROM root directory.

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

The default interface language is English.

- 4. Click [PCL 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].

- 6. Select the printer driver you want to use in the [Select Program] dialog box.**

You can select several printer drivers.

The PCL 6 printer driver is installed in the language specified by your operating system.

- 7. Click [Next].**
- 8. Select the [Printer Name] check box to select the printer model you want to use.**

The printer name can be changed in the Change settings for 'Printer Name' box.

9. Double-click the printer name to display the printer settings.

The details shown in [Comment], [Driver], and [Port] vary depending on the operating system, printer model, and port.

10. Click [Port], and then click [Add].

11. Click [Network Printer], and then click [OK].

12. Double-click the name of the NetWare file server on the network tree.

The created queue is displayed.

13. Select the print queue, and then click [OK].

14. Check that the port of the selected printer is displayed in [Port].

15. Click [Continue].

The printer driver installation starts.

16. Click [Finish] in the [Select Program] dialog box.

17. 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.

18. After restarting the computer, open the printer properties from the [Printers and Faxes] window.

Under Windows 2000 or Windows Server 2003/2003 R2, launch the [Printers] window, and then open the printer properties.

19. Click the [NetWare setting] tab.

Under Windows 2000 or Windows Server 2003/2003 R2, on the [Printer Settings] tab, 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.

20. Click [OK] to close the printer properties dialog box.

Note

- To stop installation of the selected software, click [Cancel] before the installation is complete.
- The protocol is set to inactive as default. Enable the protocol on the control panel, using Web Image Monitor, SmartDeviceMonitor or telnet.

When using the PostScript 3 Printer Driver

Important

- In an IPv6 environment, NetWare servers cannot be used.

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

1. In the [Printers] or [Printers and Faxes] window, open the printer properties.
2. Click the [PostScript] tab.
When using Windows 2000/XP, and Windows Server 2003/2003 R2, click the [Device Settings] tab, and then proceed to step to clear the check box.
3. Click [Advanced].
4. Clear the [Send CTRL+D before job] and [Send CTRL+D after job] check boxes, and then click [OK].
5. Click [OK] to close the printer properties dialog box.

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 a banner page.

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

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

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.

3. Local Connection

This chapter explains how to install the printer driver under Windows for through a local connected printer.

Installing the Printer Driver Using USB

This section explains how to install printer drivers using USB.

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

★ Important

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

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 printer to install it from the CD-ROM provided with this printer.

Windows 2000 - USB

1. **Close all applications except this manual.**
2. **Check that the power of the printer is off.**
3. **Connect the printer to your computer with a USB cable.**
Connect the USB cable firmly.
4. **Turn on the power of the printer.**
Found New Hardware Wizard starts, and USB Printing Support is installed automatically.
5. **Click [Next].**
6. **In the [Found New Hardware Wizard] window, click [Search for a suitable driver for my device [recommended]], and then click [Next].**
7. **Check the [Specify a location] check box, and then click [Next].**
8. **Insert the CD-ROM in the CD-ROM drive.**
If Auto Run starts, click [Cancel] and then [Exit].
9. **Specify the location where the source files of the printer driver is stored.**
If the CD-ROM drive is D, the source files of the printer driver are stored in the following locations:
 - PCL 5e
D:\DRIVERS\PCL5E\XP_VISTA\([language])\DISK1

- PCL 5c
D:\DRIVERS\PCL5C\XP_VISTA\<(language)\DISK1
- PCL 6
D:\DRIVERS\PCL6\XP_VISTA\MUI\DISK1
- PostScript 3
D:\DRIVERS\PS\XP_VISTA\MUI or (language)\DISK1

If the file path of the printer driver contains the word "MUI", the driver will be installed in the language of the operating system.

The PostScript 3 printer driver with the selected language will be installed. The English printer driver is installed when the following language is selected: Suomi, Magyar, Cestina, Polski, Portugues, Russian.

3

10. Check the printer driver location, and then click [OK].

11. Click [Next].

12. Click [Finish].

If the installation is successful, the icon of the printer connected to the "USB001" port is added to the [Printers], [Printers and Faxes], or [Devices and Printers] window.

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

Windows XP, Windows Server 2003/2003 R2 - USB

- 1. Close all applications except this manual.**
- 2. Check that the power of the printer is off.**
- 3. Connect the printer to your computer with a USB cable.**
Connect the USB cable firmly.
- 4. Turn on the power of the printer.**
Found New Hardware Wizard starts, and USB Printing Support is installed automatically.
- 5. Click [No, not this time], and then click [Next].**
- 6. In the [Found New Hardware] window, click [Install from a list or specific location [Advanced]], and then click [Next].**
- 7. Insert the CD-ROM into the 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. Specify the location where the source files of the printer driver is stored.

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

- PCL 5e
D:\DRIVERS\PCL5E\XP_VISTA\((language)\DISK1
- PCL 5c
D:\DRIVERS\PCL5C\XP_VISTA or x64\((language)\DISK1
- PCL 6
D:\DRIVERS\PCL6\XP_VISTA or x64\MUI\DISK1
- PostScript 3
D:\DRIVERS\PS\XP_VISTA or x64\MUI or (language)\DISK1

If the file path of the printer driver contains the word "MUI", the driver will be installed in the language of the operating system.

The PostScript 3 printer driver with the selected language will be installed. The English printer driver is installed when the following language is selected: Suomi, Magyar, Cestina, Polski, Portugues, Russian.

10. Check the printer driver location, and then click [Next].

11. Click [Finish].

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

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

Windows Vista, Windows Server 2008 - USB

- 1. Close all applications except this manual.**
- 2. Check that the power of the printer is off.**
- 3. Connect the printer to your computer with a USB cable.**

Connect the USB cable firmly.

- 4. Turn on the power of the printer.**

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

5. In the [Found New Hardware] dialog box, click [Locate and install driver software (recommended)].

If the [User Account Control] window appears, click [Yes] or [Continue].

6. Insert the CD-ROM into the CD-ROM drive.

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

7. Specify the location where the source files of the printer driver is stored.

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

- PCL 5e
D:\DRIVERS\PCL5E\XP_VISTA\((language)\DISK1
- PCL 5c
D:\DRIVERS\PCL5C\XP_VISTA or x64\((language)\DISK1
- PCL 6
D:\DRIVERS\PCL6\XP_VISTA or x64\MUI\DISK1
- PostScript 3
D:\DRIVERS\PS\XP_VISTA or x64\MUI or (language)\DISK1

If the file path of the printer driver contains the word "MUI", the driver will be installed in the language of the operating system.

The PostScript 3 printer driver with the selected language will be installed. The English printer driver is installed when the following language is selected: Suomi, Magyar, Cestina, Polski, Portugues, Russian.

8. Check the printer driver location, and then click [Next].

9. Click [Close].

If the installation is successful, the icon of the printer connected to the "USB001" port is added to the [Printers], [Printers and Faxes], or [Devices and Printers] window.

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

Windows 7, Windows Server 2008 R2 - USB

- 1. Close all applications except this manual.**
- 2. Check that the power of the printer is off.**
- 3. Connect the printer to your computer with a USB cable.**

Connect the USB cable firmly.

4. Turn on the power of the printer.

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

5. Click [Devices and Printers].**6. Double-Click the icon of printer you want to use in the [Unspecified] category.****7. Click [Hardware] tab.****8. Click [Properties].****9. Click [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 CD-ROM into the CD-ROM drive.**

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

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
D:\DRIVERS\PCL5E\XP_VISTA\{(language)}\DISK1
- PCL 5c
D:\DRIVERS\PCL5C\XP_VISTA or x64\{(language)}\DISK1
- PCL 6
D:\DRIVERS\PCL6\XP_VISTA or x64\MUI\DISK1
- PostScript 3
D:\DRIVERS\PS\XP_VISTA or x64\MUI or (language)\DISK1

If the file path of the printer driver contains the word "MUI", the driver will be installed in the language of the operating system.

The PostScript 3 printer driver with the selected language will be installed. The English printer driver is installed when the following language is selected: Suomi, Magyar, Cestina, Polski, Portugues, Russian.

16. Check the printer driver location, and then click [Next].**17. Click [Close].**

If the installation is successful, the icon of the printer connected to the "USB001" port is added to the [Devices and Printers] window.

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

Troubleshooting USB

3

Problem	Solutions
The printer is not recognized automatically.	Turn off the power of this printer, and then reconnect the USB cable. Make sure the cable is securely connected to the USB ports, and then turn on the power again.
Windows has already configured the USB settings.	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.

Installing the Printer Driver Using Parallel Cable

This describes how to install the PCL or PostScript 3 printer driver when using a parallel port.

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

★ Important

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

3

Installing the PCL Printer Driver

This describes how to install the PCL printer driver when using a parallel port.

1. **Close all applications except this manual.**
2. **Insert the CD-ROM into the CD-ROM drive.**

The installer starts.

Auto Run may not work with certain operating system settings. If this happens, launch "Setup.exe" on the CD-ROM root directory.

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

The default interface language is English.

4. **Click [PCL Printer Driver].**

The software license agreement appears in the [License Agreement] dialog box.

5. **After reading the agreement, select the [I accept the agreement.] check box, and then click [Next].**

6. **Select the printer driver you want to use in the [Select Program] dialog box.**

You can select several printer drivers.

The PCL 6 printer driver is installed in the language specified by your operating system.

7. **Click [Next].**

8. **Select the check box of the printer model you want to use.**

The printer name can be changed in the [Change settings for 'Printer Name'] box.

9. **Double-click the printer name to display the printer settings.**

The details shown in [Comment], [Driver], and [Port] vary depending on the operating system, printer model, and port.

10. **Check that [LPT1:] is shown in [Port].**

11. **Configure the user code, default printer, and shared printer as necessary.**

12. **Click [Continue].**

13. Click [Finish].**14. Click [Finish].**

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

Note

- To stop installation of the selected software, click [Cancel] before installation is complete.
- A user code can be set after the printer driver installation. For information about user code, see the printer driver Help.
- 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 "Messages Displayed When Installing the Printer Driver".

Reference

- p.56 "Messages Displayed When Installing the Printer Driver"

Installing the PostScript 3 Printer Driver

This describes how to install the PostScript 3 printer driver when using a parallel port.

- 1. Close all applications except this manual.**
- 2. Insert the CD-ROM into the CD-ROM drive.**

The installer starts.

Auto Run may not work with certain operating system settings. If this happens, launch "Setup.exe" on the CD-ROM root directory. If the [User Account Control] dialog box appears, click [Continue] to allow the auto play program to run.

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

The printer driver with the selected language will be installed. The English printer driver is installed when the following language is selected: Suomi, Magyar, Cestina, Polski, Portugues, Russian.

- 4. Click [PostScript 3 Printer Driver].**

Under Windows Vista/7, and Windows Server 2008, proceed to step 6.

- 5. Click [Next].**

- 6. Click [Local printer attached to this computer], and then click [Next].**

Under Windows 2000, click [Local printer], and then click [Next].

Under Windows Vista/7, and Windows Server 2008, click [Add a local printer].

- 7. Select the port you want to use, and then click [Next].**

- 8. Select brand name and model name of the printer you want to use, and then click [Next].**

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

10. Click [Finish].**↓ Note**

- To stop installation of the selected software, click [Cancel] before installation is complete.
- A user code can be set after the printer driver installation. For information about user code, see the printer driver Help.
- 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 "Messages Displayed When Installing the Printer Driver".

📖 Reference

- p.56 "Messages Displayed When Installing the Printer Driver"

4. When Using the Printer under Mac OS X

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

Installing the Printer

This section explains how to configure a Mac OS X to use EtherTalk, USB, and TCP/IP.

Follow the procedure below to configure Mac OS X 10.3.8. If you are not using Mac OS X 10.3.8, see the manual of the Mac OS X you are using for details.

★ Important

- Mac OS X 10.2 or higher is required.

↓ Note

- The PPD files are stored in the following folder on the CD-ROM: MacOSX PPD Installer
- If you want to use AppleTalk, use the control panel or Web Image Monitor to enable it. (The default is **Inactive**.) AppleTalk cannot be used under Mac OS X 10.6.

Installing the PPD Files

Follow the procedure below to install a PPD file to print from Mac OS X.

★ Important

- You need an administrator name and a password (phrase). For details, consult your administrator.
1. Insert the CD-ROM into the CD-ROM drive.
 2. Double-click the CD-ROM drive icon.
 3. Double-click the [Mac OS X] folder.
 4. Double-click the [(brand name)] folder.
 5. Double-click the [Mac OS X 10.2 or later] or [Mac OS X 10.5 or later] folder, depending on your operating system.
 6. Double-click the [MacOSX PPD Installer] folder.
 7. Double-click the package file icon.
 8. Follow the instructions on the screen.

Setting Up the PPD File

1. Start Printer Setup Utility or Print Center utility.

Under Mac OS X 10.5 or 10.6, start System Preferences and click [Print & Fax].

2. Click [Add] or [+] button.

Mac OS X 10.5 or 10.6

Click [Default]. If the printer name is not displayed, select the icon that corresponds to your network environment.

Under Mac OS 10.5, if several AppleTalk zones exist on the network, select the zone the printer belongs to.

Mac OS X 10.4

Click [More Printers...]. Then select the zone from the second pop-up menu.

Mac OS X 10.3 or lower

Click [AppleTalk] on the first pop-up menu.

3. Select the printer, and then select its brand name from the [Printer Model:] pop-up menu.

Mac OS X 10.5 or 10.6

Select the printer you are using from the [Printer Name] list.

Mac OS X 10.4

Select the printer you are using from the [Print Using] pop-up menu.

4. Select the PPD file for the model you are using, and then click [Add].

Under Mac OS X 10.5 or 10.6, click [Add].

5. Quit Printer Setup Utility, Print Center utility or System Preferences.

Setting Up Options for Mac OS X

This section explains how to configure the printer driver.

1. Start Printer Setup Utility or Print Center utility.

Under Mac OS X 10.5 or 10.6, start System Preferences and click [Print & Fax].

2. Select the printer you are using, and then click [Show Info].

Under Mac OS X 10.5 or 10.6, select the printer you are using, and then click [Options & Supplies...].

3. Select [Installable Options] in the drop-down menu, and then configure settings as needed.

Under Mac OS X 10.5 or 10.6, click [Driver], and then configure settings as needed.

4. Click [Apply Changes].

Under Mac OS X 10.5 or 10.6, click [OK].

↓ 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.

Using USB Interface

Follow the procedure below to setup USB connection.

★ Important

- **USB2.0 can be used only with Mac OS X 10.3.3 or higher.**
- 1. Check that the power of the printer is off.**
 - 2. Connect the printer to your computer with a USB cable.**
Connect the USB cable firmly.
 - 3. Turn on the power of the printer.**
 - 4. Start Printer Setup Utility or Print Center utility.**
Under Mac OS X 10.5 or 10.6, start System Preferences and click [Print & Fax].
 - 5. Click [Add] or [+] button.**
 - Mac OS X 10.5 or 10.6**
Click [Default].
 - Mac OS X 10.4**
Click a printer that has "USB" indicated in the "Connection" column.
 - Mac OS X 10.3 or lower**
Click [USB] on the pop-up menu.
The connected printer appears.
 - 6. Select the printer, and then select its brand name from the [Printer Model:] pop-up menu.**
 - Mac OS X 10.5 or 10.6**
Select the printer you are using from the [Printer Name] list, and [kind] of USB.
 - Mac OS X 10.4**
Select the printer you are using from the [Print Using] pop-up menu.
A list of printer types appears.
 - 7. Select the connected printer from the list of printer models, and then click [Add].**
 - 8. Quit Printer Setup Utility, Print Center utility or System Preferences.**

Note

- When printing with a USB connection to a Macintosh computer, printer language does not change automatically. Use the control panel on this printer to change printer language to [Auto Detect] or [PS] before printing.

Using Bonjour

Follow the procedure below to print using Bonjour under Mac OS X 10.2.3 or higher. Ethernet, wireless LAN connections can also be used.

4

1. Start Printer Setup Utility or Print Center utility.

Under Mac OS X 10.5 or 10.6, start System Preferences and click [Print & Fax].

2. Click [Add] or [+] button.

Mac OS X 10.5 or 10.6

Click [Default].

Mac OS X 10.4

Click a printer that has "Bonjour" indicated in the "Connection" column.

Mac OS X 10.3 or lower

Click [Rendezvous] on the pop-up menu.

3. Select the name of the connected printer from the list of printer models.

Mac OS X 10.5 or 10.6

Select the printer you are using from the [Printer Name] list, and [kind] of Bonjour.

Mac OS X 10.4

Select the printer you are using from the [Print Using] pop-up menu.

A list of printer types appears.

4. Click [Add].

Under Mac OS X 10.4, click [Add], and then click [Continue].

5. Quit Printer Setup Utility, Print Center utility or System Preferences.

Note

- When printing with a Bonjour connection to a Macintosh computer, printer language does not change automatically. Use the control panel on this printer to change printer language to [Auto Detect] or [PS] before printing.

Changing to EtherTalk

Follow the procedure below to configure a Mac OS X to use EtherTalk.

★ Important

- You need an administrator name and a password (phrase). For details, consult your administrator.

1. Start System Preferences, and then click the [Network] icon.
2. Click [Built-in Ethernet] or [Ethernet] in the list box.

Mac OS X 10.5 or 10.6

Click [Advanced...].

Mac OS X 10.3 or 10.4

Select [Built-in Ethernet] or [Ethernet], and then click [Configure...]

3. Click the [AppleTalk] tab.
4. Select the [Make AppleTalk Active] check box.
5. To change AppleTalk zones, select a name from the [AppleTalk Zone:] pop-up menu.
6. When the settings are made, click [Apply Now].

Under Mac OS X 10.5, click [OK], and then click [Apply].

↓ Note

- For information about installing applications required for EtherTalk, see the Mac OS manuals.

5. Appendix

Installing Windows 64-bit Compatible Drivers

This section describes how to install PCL and PostScript 3 printer drivers that are compatible with 64-bit Windows operating systems.

★ Important

- **Manage Printers permission is required for driver installation.** Log on as an Administrators group member.
- If you want to use the WSD port, see "Using the WSD Port" and install the printer driver using the procedure shown.
- If the printer is connected to your computer via USB, see "Installing the Printer Driver Using USB" and install the printer driver using the procedure shown.
- The PostScript 3 printer driver for a 64-bit Windows operating system can be installed using the installer. Launch the dedicated .exe file included on the provided CD-ROM, and then follow the instructions that appear on the screen. If the CD-ROM drive is D, the .exe file will be stored in the following location: D:\DRIVERS\PS\x64\MUI\SETUP.EXE

📖 Reference

- p.19 "Using the WSD Port"
- p.37 "Installing the Printer Driver Using USB"

Windows XP, Windows Server 2003/2003 R2

Use the following procedure to install the PCL/PostScript 3 driver under a 64-bit version of Windows XP or Windows Server 2003/2003 R2.

1. On the [Start] menu, click [Printers and Faxes].
2. Click [Add a printer], or double-click the [Add Printer] icon.
3. Follow the instructions that appear in the "Add Printer" wizard.

If the printer driver is on the CD-ROM, the location of the driver will be \DRIVERS\ (PCL6, PCL5C, PCL5E, or PS)\x64\ (language) or MUI\DISK1. If the installer starts automatically, click [Cancel] to stop it.

4. Specify a port.

⬇ Note

- Availability of ports will vary depending on your operating system and the type of interface you are using for connection to the printer. For details, see "Network Connection" or "Local Connection".

Reference

- p.9 "Network Connection"
- p.37 "Local Connection"

Windows Vista, Windows Server 2008

Use the following procedure to install the PCL/PostScript 3 driver under a 64-bit version of Windows Vista and Windows Server 2008.

1. On the [Start] menu, click [Control Panel].
2. Click [Hardware and Sound].
3. Click [Printers].
4. Click [Add a printer].
5. Follow the instructions that appear in the "Add Printer" wizard.

If the printer driver is on the CD-ROM, the location of the driver will be \DRIVERS\{PCL6, PCL5C, PCL5E, or PS}\x64\{language} or MUI\DISK1. If the installer starts automatically, click [Cancel] to stop it.

6. Specify a port.

Note

- Availability of ports will vary depending on your operating system and the type of interface you are using for connection to the printer. For details, see "Network Connection" or "Local Connection".

Reference

- p.9 "Network Connection"
- p.37 "Local Connection"

Windows 7, Windows Server 2008 R2

Use the following procedure to install the PCL/PostScript 3 driver under a 64-bit version of Windows 7 and Windows Server 2008 R2.

1. On the [Start] menu, click [Devices and Printers].
2. Click [Add a printer].
3. Follow the instructions that appear in the [Add Printer] window.

If the printer driver is on the CD-ROM, the location of the driver will be \DRIVERS\{PCL6, PCL5C, PCL5E, or PS}\x64\{language} or MUI\DISK1. If the installer starts automatically, click [Cancel] to stop it.

4. Specify a port.

Note

- Availability of ports will vary depending on your operating system and the type of interface you are using for connection to the printer. For details, see "Network Connection" or "Local Connection".

Reference

- p.9 "Network Connection"
- p.37 "Local Connection"

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] or [Add a Printer].

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

Windows 2000

This section describes the procedure under Windows 2000.

- 5**
1. On the [Start] menu, point to [Settings], and then click [Printers].
 2. Double-click the Add Printer icon.
 3. Follow the instructions in Add Printer Wizard.

If the printer driver is on the CD-ROM, the location of the driver is \DRIVERS\{PCL6, PCL5C, PCL5E, or PS}\XP_VISTA\{language} or MUI\DISK1. If the installer starts, click [Cancel] to quit.

4. Specify a port.

↓ Note

- Available ports vary according to your Windows operating system or the type of interface. For details, see "Network Connection" or "Local Connection".

📖 Reference

- p.9 "Network Connection"
- p.37 "Local Connection"

Windows XP, Windows Server 2003/2003 R2

This section describes the procedure under Windows XP or Windows Server 2003/2003 R2.

1. On the [Start] menu, click [Printers and Faxes].
Under Windows XP Home Edition, on the [Start] menu, click [Control Panel].
2. Click or double-click [Add a printer] or the [Add Printer] icon.
3. Follow the instructions in Add Printer Wizard.

If the printer driver is on the CD-ROM, the location of the driver is \DRIVERS\{PCL6, PCL5C, PCL5E, or PS}\XP_VISTA\{language} or MUI\DISK1. If the installer starts, click [Cancel] to quit.

4. Specify a port.

Note

- Available ports vary according to your Windows operating system or the type of interface. For details, see "Network Connection" or "Local Connection".

Reference

- p.9 "Network Connection"
- p.37 "Local Connection"

Windows Vista, Windows Server 2008

This section describes the procedure under Windows Vista and Windows Server 2008.

1. On the [Start] menu, click [Control Panel].
2. Click [Hardware and Sound].
3. Click [Printers].
4. Click [Add a printer].
5. Follow the instructions in **Add Printer Wizard**.

If the printer driver is on the CD-ROM, the location of the driver is \DRIVERS\{PCL6, PCL5C, PCL5E, or PS}\XP_VISTA\{language} or MUI\DISK1. If the installer starts, click [Cancel] to quit.

6. **Specify a port.**

Note

- Available ports vary according to your Windows operating system or the type of interface. For details, see "Network Connection" or "Local Connection".

Reference

- p.9 "Network Connection"
- p.37 "Local Connection"

Windows 7

This section describes the procedure under Windows 7.

1. On the [Start] menu, click [Devices and Printers].
2. Click [Add a printer].
3. Follow the instructions in [Add Printer] Window.

If the printer driver is on the CD-ROM, the location of the driver is \DRIVERS\{PCL6, PCL5C, PCL5E, or PS}\XP_VISTA\{language} or MUI\DISK1. If the installer starts, click [Cancel] to quit.

4. **Specify a port.**

Note

- Available ports vary according to your Windows operating system or the type of interface. For details, see "Network Connection" or "Local Connection".

Reference

- p.9 "Network Connection"
- p.37 "Local Connection"

Making 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 printer automatically. Bidirectional communication also allows you to monitor printer 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 printer 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 printer 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 dialog box.
- The PCL 5e/5c 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 install the drivers. Log on as an Administrators group member.**

1. On the [Start] menu, click [Printers and Faxes].

When using Windows 2000, point to [Settings] on the [Start] menu, and then click [Printers]. The [Printers] window appears.

When using Windows Vista or Windows Server 2008, click [Control Panel] on the [start] menu, and then click [Printer]. The [Printers] window appears.

When using Windows 7 or Windows Server 2008 R2, click the [Start] menu, and then click [Devices and Printers].

2. Click the icon of the printer you want to use.

3. On the [File] menu, click [Properties].

When using Windows Vista or Windows Server 2008, right-click the icon of the printer you want to use, and then click the [Properties].

When using Windows 7 or Windows Server 2008 R2, right-click the icon of the printer you want to use, and then click [Printer properties].

4. 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.

5. Select options installed from the [Options] area, and then make the necessary 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 [Update] in the [Input Tray Settings] area to apply the setting for each tray.

7. Click [OK] to close the printer properties dialog box.

Installing Font Manager

★ Important

- Manage Printers permission is required to install the drivers. Log on as an Administrators group member.
- The operating systems compatible with Font Manager are Windows 2000/XP/Vista.

1. Close all applications except this manual.
2. Insert the CD-ROM into the CD-ROM drive.
The installer starts.
3. Select an interface language, and then click [OK].
4. Click [Font Manager].
5. Follow the instructions on the display.

Using Adobe PageMaker Version 6.0, 6.5, or 7.0

Under Windows 2000/XP with Adobe PageMaker, you need to copy PPD files to the PageMaker folder. PPD files have the .ppd extension in the folder "DRIVERS\PS\PM6\{Language}" on the CD-ROM.

The "PM6" folder inside the "PS" folder is for Windows 2000/XP. Use the folder that is appropriate for the operating system you are currently using.

The third folder "{Language}" may be substituted by an appropriate language name.

Copy the .ppd file to the PageMaker folder.

- **For PageMaker 6.0 default installation**

The directory is "C:\PM6\RSRC\PPD4".

- **For PageMaker 6.5 default installation**

The directory is "C:\PM65\RSRC\USENGLISH\PPD4".

The "USENGLISH" may vary depending on your language selection.

- **For PageMaker 7.0 default installation**

The directory is "C:\PM7\RSRC\USENGLISH\PPD4".

The "USENGLISH" may vary depending on your language selection.

Note

- If the driver is not set correctly after copying the ".ppd" file, printing may not be performed properly.
- When using PageMaker, the optional features that can be selected by the printer driver will not be active. The following procedure describes how to activate the optional printer features.
 1. On the [File] menu, click [Print].

The [Print Document] dialog box appears.
 2. Make the necessary settings in the [Features] box.

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- The product names of Windows 2000 are as follows:
 - Microsoft® Windows® 2000 Professional
 - Microsoft® Windows® 2000 Server
 - Microsoft® Windows® 2000 Advanced Server
- The product names of Windows XP are as follows:
 - Microsoft® Windows® XP Professional Edition
 - Microsoft® Windows® XP Home Edition
 - Microsoft® Windows® XP Professional x 64 Edition
- The product names of Windows Vista are as follows:
 - Microsoft® Windows Vista® Ultimate
 - Microsoft® Windows Vista® Business
 - Microsoft® Windows Vista® Home Premium
 - Microsoft® Windows Vista® Home Basic
 - Microsoft® Windows Vista® Enterprise
- The product names of Windows 7 are as follows:
 - Microsoft® Windows® 7 Home Premium
 - Microsoft® Windows® 7 Professional
 - Microsoft® Windows® 7 Ultimate

Microsoft® Windows® 7 Enterprise

- The product names of Windows Server 2003 are as follows:

Microsoft® Windows Server® 2003 Standard Edition

Microsoft® Windows Server® 2003 Enterprise Edition

- The product names of Windows Server 2003 R2 are as follows:

Microsoft® Windows Server® 2003 R2 Standard Edition

Microsoft® Windows Server® 2003 R2 Enterprise Edition

- The product names of Windows Server 2008 are as follows:

Microsoft® Windows Server® 2008 Standard

Microsoft® Windows Server® 2008 Enterprise

Microsoft® Windows Server® 2008 Standard without Hyper-V™

Microsoft® Windows Server® 2008 Enterprise without Hyper-V™

- The product names of Windows Server 2008 R2 are as follows:

Microsoft® Windows Server® 2008 R2 Standard

Microsoft® Windows Server® 2008 R2 Enterprise

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Operating Instructions Driver Installation Guide

