



Operating Instructions

Driver Installation Guide

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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 and scanner 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:

PostScript 3 Printer Driver

Install the PostScript 3 printer driver.

For details about installing the driver, see p. 11 "Installing the Printer Driver for a Network Connection" or p. 18 "Installing the Printer Driver for USB Connection".

TWAIN Driver

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

For details about installing the driver, see p. 27 "Installing the TWAIN Driver".

Select Language

Change the interface language.

Browse This CD-ROM

Browse the contents of this CD-ROM.

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 DRIVERS folder.
- For the latest information on Windows terminal service, Citrix Presentation Server, and Citrix Xen App, see the manufacturer's Web site.

PostScript 3 Printer Driver

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. Printing requires installation of a printer driver for your operating system.

Operating System

The operating systems and its editions supported in PostScript 3 printer driver are as follow:

- Windows XP
Microsoft Windows XP Professional Edition/Microsoft Windows XP Home Edition/Microsoft Windows XP Media Center Edition/Microsoft Windows XP Tablet PC Edition
- Windows Vista
Microsoft Windows Vista Ultimate/Microsoft Windows Vista Enterprise/Microsoft Windows Vista Business/Microsoft Windows Vista Home Premium/Microsoft Windows Vista Home Basic
- Windows 7
Microsoft Windows 7 Home Premium/Microsoft Windows 7 Professional/Microsoft Windows 7 Ultimate/Microsoft Windows 7 Enterprise
- Windows Server 2003
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
- Windows Server 2008
Microsoft Windows Server 2008 Standard/Microsoft Windows Server 2008 Enterprise/Microsoft Windows Server 2008 R2 Standard/Microsoft Windows Server 2008 R2 Enterprise
- Mac OS X
Mac OS X 10.2 or later (native mode). Any versions higher than Mac OS X 10.7 are not supported.

Note

- Windows operating system supports both versions (32/64 bit)
- For details about installing the driver, see p.11 "Installing the Printer Driver for a Network Connection" or p.18 "Installing the Printer Driver for USB Connection".

Supported languages

The PostScript 3 printer driver uses the same interface language as the one specified by your operating system. The supported languages are as follow:

English, German, French, Italian, Spanish, Dutch, Swedish, Norwegian, Danish.

The PostScript 3 printer driver 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.

HDI Driver for AutoCAD

The driver for the AutoCAD is provided to work specifically with the AutoCAD of CAD applications. Using the HDI driver reduces data size during print out, enabling faster print out.

The HDI driver is specially designed for use in environments where Auto-CAD applications are running. AutoCAD applications must be installed before you install the HDI driver.

★ Important

- **If you are already using a printer of the same manufacturer, you cannot use different HDI drivers simultaneously. In case, delete the older HDI driver.**

Supported AutoCAD applications

The versions supported in the HDI driver are as follow:

AutoCAD 2004, AutoCAD LT 2004, AutoCAD 2005, AutoCAD LT 2005, AutoCAD 2006, AutoCAD LT 2006, AutoCAD 2007, AutoCAD LT 2007, AutoCAD 2008(32bit/64bit), AutoCAD LT 2008, AutoCAD 2009(32bit/64bit), AutoCAD LT 2009(32bit/64bit), AutoCAD 2010(32bit/64bit), AutoCAD LT 2010(32bit/64bit), AutoCAD 2011(32bit/64bit), AutoCAD LT 2011(32bit/64bit), AutoCAD 2012(32bit/64bit), AutoCAD LT 2012(32bit/64bit)

Supported languages

The languages supported in the driver are as follow:

English, German, French, Italian, Spanish, Dutch, Portuguese, Russian.

Note

- For details about installing the driver, see p.25 "Installing the HDI Driver"

TWAIN Driver

1

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
Windows Server 2003/2003 R2/2008/2008 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 p.27 "Installing the TWAIN Driver".

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 printer function, use the printer driver for Mac OS X.

For details, see p.31 "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 through Ethernet and Wireless LAN.

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

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

Note

- For details about how to install the printer driver for each type of port, see p.11 "Installing the Printer Driver for the Selected Port".

Using as a network printer

This machine can be used as a network printer using the Windows print server function.

Client OS	Using Server
<ul style="list-style-type: none"> • Windows XP • Windows Server 2003/2003 R2 	<ul style="list-style-type: none"> • Windows XP print server • Windows Vista print server • Windows 7 print server • Windows Server 2003/2003 R2 print server • Windows Server 2008/2008 R2 print server
<ul style="list-style-type: none"> • Windows Vista • Windows 7 • Windows Server 2008/2008 R2 	<ul style="list-style-type: none"> • Windows XP print server • Windows Vista print server • Windows 7 print server • Windows Server 2003/2003 R2 print server • Windows Server 2008/2008 R2 print server

Note

- For details about how to install the printer driver to print server, see p.16 "Using Windows Print Server as a Network Printer".

Local Connection

Local connection can be supported for only USB connection.

Note

- For details about how to install the printer driver for USB connection, see p.18 "Installing the Printer Driver for USB Connection".

Installing the Printer Driver for a Network Connection

This section describes the installation procedure of the printer driver 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 p.29 "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	Reference
Standard TCP/IP port	p. 12 "Using the Standard TCP/IP port"
IPP port	p. 12 "Using the IPP port"
LPR port	p. 13 "Using the LPR port"
SmartDeviceMonitor for Client port	p. 14 "Using the SmartDeviceMonitor for Client port"

Using the Standard TCP/IP port

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 AUTORUN.EXE].

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

For details about the languages supported in the printer driver, see p.5 "Supported languages".

4. Click [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].

6. Select the check box of the manufacturer and machine model you want to use.

7. Double-click the machine name to display the printer settings.

8. Click [Port :], and then click [Add] in the [Change settings for 'Port'] box.

9. 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.

10. Click [Next].

11. Enter the machine name or IP address, and then click [Next].

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

12. Click [Finish].

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 IPP port

★ 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 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 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 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 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:
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 driver, see p.5 "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

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 AUTORUN.EXE].

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

For details about the languages supported in the printer driver, see p.5 "Supported languages".

4. Click [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].

6. Select the check box of the machine model you want to use.

7. Double-click the machine name to display the printer settings.

8. Click [Port :], and then click [Add] in the [Change settings for 'Port'] box.

9. Click [LPR Port], and then click [OK].

If [LPR Port] does not appear, see Windows Help and install it.

10. Enter the machine name or IP address in the [Name or address of server providing lpd:] box.

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

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

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

14. Click [Continue].

The installation starts.

15. Click [Finish].

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

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.

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 AUTORUN.EXE].

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

For details about the languages supported in the printer driver, see p.5 "Supported languages".

4. Click [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].

6. Select the check box of the machine model you want to use.
7. Double-click the machine name to display the printer settings.
8. Click [Port :], and then click [Add] in the [Change settings for 'Port'] box.
9. Click [SmartDeviceMonitor], and then click [OK].
10. To configure port settings using TCP/IP, click [TCP/IP], and then click [Search].

To configure port settings using IPP, proceed to step 13.

11. 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.

12. To configure port settings using IPP, click [IPP].

13. 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.

14. 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.

15. Click [Detailed Settings] 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].

The installation starts.

20. 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 [Printer].
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.

Note

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

Using Windows Print Server as a Network Printer

Describes the driver installation procedure for Windows print server.

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

For details about the languages supported in the printer driver, see p.5 "Supported languages".

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

The installation starts.

15. 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 or Windows Server 2008 print server, notification functions of SmartDeviceMonitor may not be used with the client computer.

Installing the Printer Driver for USB Connection

This section explains how to install the printer driver using USB. See the installation procedure for the operating system you are using. 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 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 p.29 "Messages Displayed When Installing the Printer Driver".
- 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.
- 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:

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 driver, see p.5 "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:

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 driver, see p.5 "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:

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 driver, see p.5 "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.

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 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 PostScript 3 printer driver support bidirectional communication and automatic printer status updates.
- To obtain printer information automatically using the bidirectional communication function of the 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.

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].

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, Windows Server 2008 R2:
Right-click the machine's icon, and then click [Printer properties].

3. Click the [Accessories] tab.**4. Select options installed from the [Options] area, and then make the necessary settings.****5. Click [Change Paper Input Settings...].****6. In [Paper Input Location Settings List:] 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 Paper Input/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 p.35 "Configuring Option Settings for the Printer Under Mac OS X".

Using Adobe PageMaker Version 6.0, 6.5, or 7.0

Under Windows XP with Adobe PageMaker®, you need to copy PPD files to the PageMaker folder.

PPD files have the .ppd extension in the folder "X86\DRIVERS\PS\PM6\ (Language)" on the CD-ROM.

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.

Installing the HDI Driver

The following explains how to install the HDI driver under Windows 7.

All the procedures are the same for Windows XP/Vista/7, Windows Server 2003/2003 R2/2008 2008 R2.

★ Important

- AutoCAD applications must be installed before you install the HDI driver.
- Manage Printers permission is required to install the driver. Log on as an Administrators group member.
- If the [User Account Control] dialog box appears during the driver installation procedure, click [Yes] or [Continue].

1. Quit all applications. (Do not close this manual.)
2. On the [Start] menu, click [Control Panel].
3. Click [Hardware and Sound].
4. Double-click [Autodesk Plotter Manager].

[Autodesk Plotter Manager] appears only if there is the AutoCAD application already installed.

5. Double-click [Add-A-Plotter Wizard].
6. Click [Next >].
7. Select [My Computer], and then click [Next >].
8. Click [Have Disk...].
9. Insert the provided CD-ROM into the computer's CD-ROM drive.

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

10. Specify the file that matches the AutoCAD application you want to use, click [Open]

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

- AutoCAD 2004, AutoCAD LT 2004, AutoCAD 2005, AutoCAD LT 2005, AutoCAD 2006, AutoCAD LT 2006
D:\X86\DRIVERS\HDI\AC2004\ (language)
- AutoCAD 2007, AutoCAD LT 2007
D:\X86\DRIVERS\HDI\AC2007\ (language)
- AutoCAD 2008, AutoCAD LT 2008, AutoCAD 2009, AutoCAD LT 2009
32-bit OS D:\X86\DRIVERS\HDI\AC2008\X86\ (language)
64-bit OS D:\X86\DRIVERS\HDI\AC2008\X64\ (language)
- AutoCAD 2010, AutoCAD LT 2010
32-bit OS D:\X86\DRIVERS\HDI\AC2010\X86\ (language)

64-bit OS D:\X86\DRIVERS\HDI\AC2010\X64\ (language)

- AutoCAD 2011, AutoCAD LT 2011, AutoCAD 2012, AutoCAD LT 2012

32-bit OS D:\X86\DRIVERS\HDI\AC2011\X86\ (language)

64-bit OS D:\X86\DRIVERS\HDI\AC2011\X64\ (language)

Confirm the driver you selected matches the AutoCAD version you want to use. If they do not match, an error screen appears. See the HDI driver's Readme if this occurs.

2

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

12. Follow the instructions in [Add-A-Plotter Wizard].

For details about screens and printing procedures, see the online Help. To display the online Help, click [Help] on the printer driver screen.

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 AUTORUN.EXE].

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

For details about the languages supported in the TWAIN drivers, see p.6 "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 p.4 "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. 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. 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.

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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].

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:

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 p.5 "Supported languages".

4. Specify a port.

↓ Note

- Available ports vary according to your Windows operating system or the type of interface. For details, see p.9 "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.

5. 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.

Installing the PPD Files

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

★ Important

- Mac OS X 10.2 or higher is required.
- 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 10.2 or later] or [Mac OS X 10.5 or later] folder, depending on your operating system.
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:
 - Mac OS X 10.2–10.4:
`\Library\Printers\PPDs\Contents\Resources\([language code *1]).lproj`
*1 da=Danish, de=German, en=English, es=Spanish, fr=French, it=Italian, nl=Dutch, no=Norwegian, sv=Swedish
 - Mac OS X 10.5–10.7:
`\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.

↓ 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.

5

USB Connection

★ Important

- Make sure the computer and the machine are connected using the USB cable, and the power of the devices are turned on beforehand.
- USB2.0 can be used only with Mac OS X 10.3.3 or higher.

Mac OS X 10.2–10.3

1. Start **Print Center** or **Printer Setup Utility** in **Applications\Utilities**.
2. Click **[Set Up Printers]**.
Depending on your computer's operating system, [Set Up Printers] may not appear.
3. Click **[Add]**.
4. Select **[USB]** on the pop-up menu.
5. Select the machine.
6. Select the machine you are using from the **[Printer Model:]** pop-up menu.
If the machine you are using is not selected in [Printer Model:], select its manufacturer or [Other...] in the pop-up menu, and then select the PPD file of the machine. For the location of the PPD files, see p.31 "Installing the PPD Files".
7. Click **[Choose]**.

8. Click [Add].

If the option settings need to be configured, see p.35 "Configuring Option Settings for the Printer Under Mac OS X".

9. Quit Print Center or Printer Setup Utility.

Mac OS X 10.4–10.7

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

If the machine 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 machine. For the location of the PPD files, see p.31 "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

Mac OS X 10.2–10.3

1. Start Print Center or Printer Setup Utility in Applications \ Utilities.**2. Click [Set Up Printers].**

Depending on your computer's operating system, [Set Up Printers] may not appear.

3. Click [Add].**4. Select [Directory Services] on the pop-up menu, and then select [Rendezvous].****5. Select the machine.**

If the machine name is not displayed, select the icon that corresponds to your network environment (TCP/IP, etc.).

6. Select the machine you are using from the [Printer Model:] pop-up menu.

If the machine you are using is not selected in [Printer Model:], select its manufacturer or [Other...] in the pop-up menu, and then select the PPD file of the machine. For the location of the PPD files, see p.31 "Installing the PPD Files".

7. Click [Choose].

8. Click [Add].

If the option settings need to be configured, see p.35 "Configuring Option Settings for the Printer Under Mac OS X".

9. Quit Print Center or Printer Setup Utility.

Mac OS X 10.4–10.7

1. Start System Preferences.

2. Click [Print & Fax] or [Print & Scan].

3. Click the [+] button.

4. Click [Default Browser] or [Default].

5. Select the machine that has "Bonjour" indicated in the [Connection], [Printer Name] or [Kind] column.

If the machine name is not displayed, select the icon that corresponds to your network environment (TCP/IP, etc.).

6. Select the machine you are using from the [Print Using:] pop-up menu.

If the machine 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 machine. For the location of the PPD files, see p.31 "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.

Mac OS X 10.2–10.3

1. Start **Print Center** or **Printer Setup Utility** in **Applications\Utilities**.
2. Click **[Set Up Printers...]**.
Depending on your computer's operating system, **[Set Up Printers...]** may not appear.
3. Select the machine you are using, and then click **[Show Info]** on the **[Printers]** menu.
4. Select **[Installable Options]** in the pop-up menu, and then configure settings needed.
5. Click **[Apply Changes]**, and then close the **[Printer Info]** dialog box.
6. Quit **Print Center** or **Printer Setup**.

Mac OS X 10.4

1. Start **System Preferences**.
2. Click **[Print & Fax]**.
3. Select the machine you are using, and then click **[Printer Setup...]**.
4. Select **[Installable Options]** in the pop-up menu, and then configure settings as needed.
5. Click **[Apply Changes]**, and then close the **[Printer Info]** dialog box.
6. Quit **System Preferences**.

Mac OS X 10.5–10.7

1. Start **System Preferences**.
2. Click **[Print & Fax]** or **[Print & Scan]**.
3. Select the machine 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.

6. 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.

↓ 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

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].

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, Windows Server 2008 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 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 p.38 "Deleting the Driver".

Deleting the Driver

Printer 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.

PPD files (Mac OS X)

Mac OS X 10.2–10.3

1. Start Print Center or Printer Setup Utility in Applications\Utilities.
2. Select the machine you want to delete, click [Delete].

Mac OS X 10.4–10.7

1. Start System Preferences.
2. Click [Print & Fax] or [Print & Scan].
3. Select the machine 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].

2. Remove the TWAIN driver.

- **Windows XP, Windows Server 2003/2003 R2:**

1. Select [(model type) TWAIN Wide].
2. Click [Change/Remove].

- **Windows Vista/7, Windows Server 2008/2008 R2:**

1. Select [(model type) TWAIN Wide].
2. Click [Uninstall/Change].

3. Quit uninstaller.

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 - Microsoft® Windows® XP Home Edition
 - Microsoft® Windows® XP Media Center Edition
 - Microsoft® Windows® XP Tablet PC 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:

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Microsoft® Windows Server® 2008 R2 Enterprise

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