



# Operating Instructions

## Driver Installation Guide



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# 1. Introduction

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

## Start Installer

1

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

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

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

### USB Quick Install

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

For details, see page 13 "Quick Install for USB".

### Network Quick Install

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

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

### PCL Printer Driver

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

For details about installing the driver, see page 15 "Installing the Printer Driver for a Network Connection" or page 20 "Installing the Printer Driver for a USB Connection".

### PostScript 3 Printer Driver

Install the PostScript 3 printer driver.

For details about installing the driver, see page 15 "Installing the Printer Driver for a Network Connection" or page 20 "Installing the Printer Driver for a USB Connection".

### LAN-Fax Driver

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

For details about installing the driver, see page 31 "Installing the LAN-Fax Driver".

### Network TWAIN/USB TWAIN/USB WIA Driver

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

For details about installing the driver, see page 29 "Installing the TWAIN/WIA Driver".

### Select Language

Change the interface language.

### Browse This CD-ROM

Browse the contents of this CD-ROM.

### Readme

Display the Readme file.

### Driver Installation Guide

Display the Driver Installation Guide.

### Exit

Quit Installer.



#### Note

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

# Software and Utilities Included on the CD-ROM

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

## Note

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

## Printer Drivers

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

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

<sup>\*1</sup> Windows operating system supports both versions (32/64 bit)

<sup>\*2</sup> Microsoft Windows XP Professional Edition/Microsoft Windows XP Home Edition

<sup>\*3</sup> Microsoft Windows Vista Ultimate/Microsoft Windows Vista Enterprise/Microsoft Windows Vista Business/Microsoft Windows Vista Home Premium/Microsoft Windows Vista Home Basic

<sup>\*4</sup> Microsoft Windows 7 Home Premium/Microsoft Windows 7 Professional/Microsoft Windows 7 Ultimate/Microsoft Windows 7 Enterprise

<sup>\*5</sup> Microsoft Windows 8/Microsoft Windows 8 Pro/Microsoft Windows 8 Enterprise

- \*6 Microsoft Windows 8.1/Microsoft Windows 8.1 Pro/Microsoft Windows 8.1 Enterprise
- \*7 Microsoft Windows Server 2003 Standard Edition/Microsoft Windows Server 2003 Enterprise Edition/Microsoft Windows Server 2003 R2 Standard Edition/Microsoft Windows Server 2003 R2 Enterprise Edition
- \*8 Microsoft Windows Server 2008 Standard/Microsoft Windows Server 2008 Enterprise/Microsoft Windows Server 2008 R2 Standard/Microsoft Windows Server 2008 R2 Enterprise
- \*9 Microsoft Windows Server 2012 Foundation/Microsoft Windows Server 2012 Essentials/Microsoft Windows Server 2012 Standard
- \*10 Mac OS X 10.6/10.7/10.8

PCL printer drivers

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

Adobe® PostScript® printer driver and PPD files

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

Note

- Some applications may require installation of the PCL 5e printer driver. In this case, you can install PCL 5e without having to install PCL 6.
- For details about installing the driver, see page 15 "Installing the Printer Driver for a Network Connection" or page 20 "Installing the Printer Driver for a USB Connection".

Supported languages

The languages supported in each printer driver are as follow:

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



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

○: Supported

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

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

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

## Network TWAIN/USB TWAIN/USB WIA Driver

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

### File path

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

\\X86\\DRIVERS\\TWAIN

**System requirements**

- Hardware  
PC/AT-compatible machines that support the following operating system properly
- Operating system \*1  
Windows XP/Vista/7/8/8.1  
Windows Server 2003/2003 R2/2008/2008 R2/2012/2012 R2  
\* 1 Network TWAIN/USB TWAIN/USB WIA 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**

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

**Note**

- The Network TWAIN/USB TWAIN/USB WIA driver will be displayed in English if your operating system uses one of the following languages: Swedish, Norwegian, Danish, Finnish, Hungarian, Czech, Polish, Catalan, Turkish, Brazilian Portuguese, Greek.
- For details about installing the driver, see page 29 "Installing the TWAIN/WIA Driver".

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**Network WIA Driver**

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

**File path**

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

`\X86\DRIVERS\WIA_NET`

**System requirements**

- Hardware  
PC/AT-compatible machines that support the following operating system properly
- Operating system  
Windows Vista Service Pack 1 or later/7/8/8.1  
Windows Server 2008/2008 R2/2012/2012 R2

**Supported languages**

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

**Note**

- For details about installing the driver, see page 29 "Installing the TWAIN/WIA Driver".

## LAN-Fax Driver

This driver is required to use LAN-Fax functions.

**File path**

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

- 32-bit driver  
    \X86\DRIVERS\LAN-FAX\XP\_VISTA
- 64-bit driver  
    \X64\DRIVERS\LAN-FAX\X64

**System requirements**

- Hardware  
    PC/AT-compatible machines that support the following operating system properly
- Operating systems  
    Windows XP/Vista/7/8/8.1  
    Windows Server 2003/2003 R2/2008/2008 R2/2012/2012 R2
- Display  
    VGA 640 × 480 pixels or more

**Supported languages**

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

**Note**

- For details about installing the driver, see page 31 "Installing the LAN-Fax Driver".

## For Mac OS X Users

1

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

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

For details, see page 39 "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

2

This machine supports network and local connection.

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

#### Network Connection

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

#### Using the Windows printing port

Network connections can be established over Ethernet and Wireless LAN.

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

Connection Method	Available Ports
<ul style="list-style-type: none"><li>• Ethernet</li><li>• Wireless LAN</li></ul>	<ul style="list-style-type: none"><li>• Standard TCP/IP port</li><li>• LPR port</li><li>• SmartDeviceMonitor for Client port <sup>*1</sup></li></ul>

<sup>\*1</sup> SmartDeviceMonitor for Client port does not support Windows 8/8.1 and Windows Server 2012/2012 R2.

#### Note

- For details about how to install the printer driver for each type of port, see page 15 "Installing the Printer Driver for the Selected Port".

#### Using as a network printer

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

The printer drivers that support Windows servers as follows:

- Windows XP print server
- Windows Vista print server

- Windows 7 print server
- Windows 8 print server
- Windows 8.1 print server
- Windows Server 2003/2003 R2 print server
- Windows Server 2008/2008 R2 print server
- Windows Server 2012/2012 R2 print server

### ↓ Note

- For details about how to install the printer driver to print server, see page 19 "Using as a Network Printer".

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## USB Connection

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Local connections can be established over USB.

### ↓ Note

- For details about how to install the printer driver for each method of connections, see page 20 "Installing the Printer Driver for a USB Connection".

# Quick Install for USB

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

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

## ★ Important

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

1. Click [USB Quick Install] on the installer screen.
2. The software license agreement appears in the [License Agreement] dialog box. After reading the agreement, click [I accept the agreement.], and then click [Next].
3. Select the method to install a printer driver, and then click [Next].
4. Select the machine model you want to use, and then click [Next].
5. Make sure the machine is turned off and not connected to the computer, and then click [Next].

Wait for a moment until file copying is complete.

6. **Connect the machine and the computer with a USB cable, and then turn on the machine.**

The auto-detecting starts.

To cancel the auto-detecting, click [Stop Auto-detecting].

7. **In the confirmation dialog box, select [Yes] if you want to use the machine as your default printer.**
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 window of the installer, and then take out the CD-ROM.**

## Quick Install for Network

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

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

### ★ Important

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

1. Click [Network Quick Install] on the installer screen.
2. The software license agreement appears in the [License Agreement] dialog box. After reading the agreement, click [I accept the agreement.], and then click [Next].
3. After confirming you are ready to connect to the printer network, click [Next] in the [Confirm Network Connection] dialog box.
4. Select the machine model you want to use in the [Select Printer] dialog box.
5. Click [Install].
6. Configure the user code, default printer, and shared printer as necessary.
7. Click [Continue].

The installation starts.

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

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 window of the installer, and then take out the CD-ROM.



# Installing the Printer Driver for a Network Connection

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

## ★ Important

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

## ↓ Note

- If the [User Account Control] dialog box appears during the driver installation procedure, click [Yes] or [Continue].
- If the [Windows Security] dialog box appears during the driver installation procedure, click [Install this driver software anyway].
- A message appears if there is a newer version of the printer driver already installed. If there is, you cannot install the printer driver using Auto Run. If you still want to install the printer driver, use [Add Printer]. See page 35 "Messages Displayed When Installing the Printer Driver".

## Installing the Printer Driver for the Selected Port

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

## ★ Important

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

Port Type	Printer Driver Type	Reference
Standard TCP/IP port	PCL PS3	page 15 "Using the Standard TCP/IP port"
LPR port	PCL PS3	page 16 "Using the LPR port"
SmartDeviceMonitor for Client port	PCL PS3	page 17 "Using the SmartDeviceMonitor for Client port"

## Using the Standard TCP/IP port

PCL PS3

1. Click [PCL Printer Driver] or [PostScript 3 Printer Driver] on the installer screen.
2. The software license agreement appears in the [License Agreement] dialog box. After reading the agreement, click [I accept the agreement.], and then click [Next].

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

3. Select a printer driver you want to use, and then click [Next].
4. Select a port to set, and then click [Next].
5. Select the check box of the manufacturer and machine model you want to use.
6. Click [Port :], and then click [Add] in the [Change settings for 'Port'] box.
7. 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.

8. Click [Next].
9. Enter the machine name or IP address, and then click [Next].

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

10. Click [Finish].
11. Check that the port of the selected printer is displayed in [Port :].
12. Configure the user code, default printer, and shared printer as necessary.
13. Click [Continue].

The installation starts.

14. Click [Finish].

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

## Using the LPR port

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PCL PS3

1. Click [PCL Printer Driver] or [PostScript 3 Printer Driver] on the installer screen.
2. The software license agreement appears in the [License Agreement] dialog box. After reading the agreement, click [I accept the agreement.], and then click [Next].

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

3. Select a printer driver you want to use, and then click [Next].
4. Select a port to set, and then click [Next].
5. Select the check box of the machine model you want to use.
6. Click [Port :], and then click [Add] in the [Change settings for 'Port'] box.
7. Click [LPR Port], and then click [OK].

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

8. Enter the machine name or IP address in the [Name or address of server providing lpd:] box.
9. Enter "lp" in the [Name of printer or print queue on that server:] box, and then click [OK].
10. Check that the port of the selected printer is displayed in [Port :].
11. Configure the user code, default printer, and shared printer as necessary.
12. Click [Continue].

The installation starts.

13. Click [Finish].

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

## Using the SmartDeviceMonitor for Client port

☐ PCL ☐ PS3

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

1. Click [PCL Printer Driver] or [PostScript 3 Printer Driver] on the installer screen.
2. The software license agreement appears in the [License Agreement] dialog box. After reading the agreement, click [I accept the agreement.], and then click [Next].

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

3. Select a printer driver you want to use, and then click [Next].
4. Select a port to set, and then click [Next].
5. Select the check box of the machine model you want to use.
6. Click [Port :], and then click [Add] in the [Change settings for 'Port'] box.
7. Click [SmartDeviceMonitor], and then click [OK].
8. To configure port settings using TCP/IP, click [TCP/IP], and then click [Search].
9. 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.

10. Check that the port of the selected printer is displayed in [Port :].
11. Configure the user code, default printer, and shared printer as necessary.
12. Click [Continue].

The installation starts.

13. Click [Finish].

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

## Changing the port settings for SmartDeviceMonitor for Client

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

### Windows XP, Windows Server 2003/2003 R2

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

The port configuration window appears.

### Windows Vista, Windows Server 2008:

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

The port configuration window appears.

### Windows 7, Windows Server 2008 R2:

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

The port configuration window appears.

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

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

The port configuration window appears.

#### Note

- For details about these settings, see SmartDeviceMonitor for Client Help.

## Using as a Network Printer

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

Server OS	Client OS	Printer Driver Type	Reference
Windows Server	Windows	<input type="checkbox"/> PCL <input type="checkbox"/> PS3	page 19 "Using Windows print server"

### Using Windows print server

☐ PCL ☐ PS3

1. Click [PCL Printer Driver] or [PostScript 3 Printer Driver] on the installer screen.
2. The software license agreement appears in the [License Agreement] dialog box. After reading the agreement, click [I accept the agreement.], and then click [Next].

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

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

The installation starts.

13. Click [Finish].

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

#### Note

- If you print with a print server connected to the machine using the SmartDeviceMonitor for Client port, Recovery Printing and Parallel Printing cannot be used from the client computer.
- If you print under Windows Vista/7/8/8.1 or Windows Server 2008/2012/2012 R2 print server, notification functions of SmartDeviceMonitor may not be used with the client computer.

# Installing the Printer Driver for a USB Connection

This section describes the installation procedure of the printer drivers for USB connections.

## ★ Important

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

## ↓ Note

- If the [User Account Control] dialog box appears in driver installation procedure, click [Yes] or [Continue].
- If the [Windows Security] dialog box appears in driver installation procedure, click [Install this driver software anyway].
- A message appears if there is a newer version of the printer driver already installed. If there is, you cannot install the printer driver using Auto Run. If you still want to install the printer driver, use [Add Printer]. See page 35 "Messages Displayed When Installing the Printer Driver".

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## USB Connection

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

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

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

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

## ↓ Note

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

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## Windows XP, Windows Server 2003/2003 R2

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

Connect the USB cable firmly.

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

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

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

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

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

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

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

- PCL 5e  
32-bit driver D:\X86\DRIVERS\PCL5E\XP\_VISTA\Language\DISK1  
64-bit driver D:\X64\DRIVERS\PCL5E\X64\Language\DISK1
- PCL 6  
32-bit driver D:\X86\DRIVERS\PCL6\XP\_VISTA\MUI\DISK1  
64-bit driver D:\X64\DRIVERS\PCL6\X64\MUI\DISK1
- PostScript 3  
32-bit driver D:\X86\DRIVERS\PS\XP\_VISTA\MUI\DISK1  
64-bit driver D:\X64\DRIVERS\PS\X64\MUI\DISK1

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

**10. Click [Next].**

The installation starts.

**11. Click [Finish].**

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

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

## Windows Vista, Windows Server 2008

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

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

Connect the USB cable firmly.

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

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

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

**6. Insert the provided CD-ROM into the computer's CD-ROM drive.**

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

**7. Select the name of the machine whose driver you want to install.**

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

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

- PCL 5e  
32-bit driver D:\X86\DRIVERS\PCL5E\XP\_VISTA\Language\DISK1  
64-bit driver D:\X64\DRIVERS\PCL5E\X64\Language\DISK1
- PCL 6  
32-bit driver D:\X86\DRIVERS\PCL6\XP\_VISTA\MUI\DISK1  
64-bit driver D:\X64\DRIVERS\PCL6\X64\MUI\DISK1
- PostScript 3  
32-bit driver D:\X86\DRIVERS\PS\XP\_VISTA\MUI\DISK1  
64-bit driver D:\X64\DRIVERS\PS\X64\MUI\DISK1

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

**8. Click [Next].**

The installation starts.

**9. Click [Close].**

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

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

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## Windows 7, Windows Server 2008 R2

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

**2. Check that the power of the machine is off.**



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

Connect the USB cable firmly.

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

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

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

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

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

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

- PCL 5e
  - 32-bit driver D:\X86\DRIVERS\PCL5E\XP\_VISTA\Language\DISK1
  - 64-bit driver D:\X64\DRIVERS\PCL5E\X64\Language\DISK1
- PCL 6
  - 32-bit driver D:\X86\DRIVERS\PCL6\XP\_VISTA\MUI\DISK1
  - 64-bit driver D:\X64\DRIVERS\PCL6\X64\MUI\DISK1
- PostScript 3
  - 32-bit driver D:\X86\DRIVERS\PS\XP\_VISTA\MUI\DISK1
  - 64-bit driver D:\X64\DRIVERS\PS\X64\MUI\DISK1

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

**16. Click [Next].**

The installation starts.

**17. Click [Close].**

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

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

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

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### 2

**1. Open the [Devices and Printers] window.**

- Windows 7, Windows Server 2008 R2:  
On the [Start] menu, select [Devices and Printers].
- Windows 8/8.1, Windows Server 2012/2012 R2:  
Click [Settings] on the Charm Bar, and then click [Control Panel]. When the [Control Panel] window appears, click [View devices and printers].

**2. Click any machine icon, and then click [Print server properties].**

**3. Click the [Drivers] tab, and then click [Add].**

**4. Click [Next].**

**5. Check the [x64] (64 bit) or [X86] (32 bit) check box, and then click [Next].**

**6. Click [Have Disk...].**

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

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

- PCL 5e  
32-bit driver D:\X86\DRIVERS\PCL5E\XP\_VISTA\Language\DISK1  
64-bit driver D:\X64\DRIVERS\PCL5E\X64\Language\DISK1
- PCL 6  
32-bit driver D:\X86\DRIVERS\PCL6\XP\_VISTA\MUI\DISK1  
64-bit driver D:\X64\DRIVERS\PCL6\X64\MUI\DISK1
- PostScript 3  
32-bit driver D:\X86\DRIVERS\PS\XP\_VISTA\MUI\DISK1  
64-bit driver D:\X64\DRIVERS\PS\X64\MUI\DISK1

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

**8. Click [OK].**

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

**10. Click [Finish].**

**11. Click [Close] to close the print server properties window.**

**12. Check that the power of the machine is off.**

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

Connect the USB cable firmly.

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

## 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.

#### When connected with USB

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

#### Note

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

### If Bidirectional Communication is Disabled

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

#### Important

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

#### 1. Open the printer window.

- Windows XP, Windows Server 2003:

On the [Start] menu, select [Printers and Faxes].

- Windows Vista, Windows Server 2008:

On the [Start] menu, select [Control Panel], and then click [Printers] in [Hardware and Sound] category.

- Windows 7, Windows Server 2008 R2:

On the [Start] menu, select [Devices and Printers].

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

On the desktop, point to the bottom-right corner, click [Settings], [Control Panel], and then [View devices and printers].

### 2. Open the printer properties dialog box.

- Windows XP/Vista, Windows Server 2003/2008:

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

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

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

### 3. Click the [Accessories] tab.

If options in the [Accessories] tab are disabled, bidirectional connection is enabled. In this case, no change is necessary for option settings.

### 4. Select options installed from the [Options] area, and then make the necessary settings.

### 5. Click [Change Input Tray Settings...].

### 6. In [Input Tray:] select which trays to use, and then, in [Paper Size:] select the size of the paper that you want to load in each tray.

Click [Modify Input Tray/Paper Size] to apply the setting for each tray.

### 7. Click [OK].

### 8. Click [OK] to close the printer properties window.

#### Note

- For details about making option settings for the machine using a Mac OS X, see page 42 "Configuring Option Settings for the Printer Under Mac OS X".



# 3. Installing the Scanner Driver

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

## Installing the TWAIN/WIA Driver

Before you start the installation, check the system requirements for the network TWAIN/USB TWAIN/USB WIA driver. For details about the system requirements, see page 5 "Software and Utilities Included on the CD-ROM".

3

### Installing the Network TWAIN/USB TWAIN/USB WIA Driver

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

1. Click **[Network TWAIN/USB TWAIN/USB WIA Driver]** on the installer screen.
2. The installer of the network TWAIN/USB TWAIN/USB WIA driver starts. Follow the instructions.

#### Note

- When the installation is complete, a message about restarting the client computer may appear. In this case, restart the client computer.
- After the installation is complete, a folder with the name of the machine in use is added in [Programs] or [All Programs] on the [Start] menu, or in [Default Programs] on the [Apps] screen. Help can be displayed from here.
- Notes on using the network TWAIN/USB TWAIN/USB WIA scanner are provided in "Readme.txt". Be sure to read them before use.

### Installing the Network WIA Driver

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

1. Quit all applications. (Do not close this manual.)
2. Open the **[Control Panel]** window.
  - Windows Vista/7, Windows Server 2008:  
On the [Start] menu, click [Control Panel].
  - Windows 8/8.1, Windows Server 2012/2012 R2:  
On the desktop, point to the bottom-right corner, click [Settings], and then click [Control Panel].

**3. Open the [Scanners and Cameras].**

- Windows Vista, Windows Server 2008:  
Click [Hardware and Sound], and then click [Scanners and Cameras].
- Windows 7/8/8.1, Windows Server 2008 R2/2012/2012 R2:  
Enter "scanners and cameras" in the search field, and then click [View scanners and cameras].

**4. Click [Add Device...].**

If the [User Account Control] dialog box appears, click [Yes] to continue.

**5. Follow the instructions in Scanner and Camera Installation Wizard.**

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

D:\X86\DRIVERS\WIA\_NET

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## Installing a TWAIN-Compliant Application on the Same Client Computer

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

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



## 4. Installing the Facsimile Driver

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

### Installing the LAN-Fax Driver

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

#### ★ Important

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

#### Specifying the same port as the printer driver

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

For details, see page 31 "Specifying the Same Port as the Printer Driver".

### Specifying the Same Port as the Printer Driver

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

The installation starts.

8. Click [Finish].

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

## Specifying the Port When Installing the LAN-FAX Driver

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

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

Installation procedures	Corresponding items to replace
page 15 "Using the Standard TCP/IP port"	1, 2
page 16 "Using the LPR port"	1, 2
page 17 "Using the SmartDeviceMonitor for Client port"	1, 2

### List of Items to Replace

No.	Items to be replaced	Procedure/description in the printer driver	Procedure/description in the LAN-Fax driver
1	The name of the button that starts the installation procedure	Click [PCL Printer Driver] or [PostScript 3 Printer Driver].	Click [LAN-Fax Driver].
2	The procedures in the [Install Printer Driver] dialog box	<ul style="list-style-type: none"><li>• Select the check box of the machine model you want to use.</li><li>• Double-click the machine name to display the printer settings.</li></ul>	Double-click [Printer Name : <LAN-Fax M(number)>].

# Setting LAN-Fax Driver Properties

## Note

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

## Setting Print Properties

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

4

### 1. Open the printer window.

- Windows XP, Windows Server 2003/2003 R2:  
On the [Start] menu, select [Printers and Faxes].
- Windows Vista, Windows Server 2008:  
On the [Start] menu, select [Control Panel], and then click [Printers] in [Hardware and Sound] category.
- Windows 7, Windows Server 2008 R2:  
On the [Start] menu, select [Devices and Printers].
- Windows 8/8.1, Windows Server 2012/2012 R2:  
On the desktop, point to the bottom-right corner, click [Settings], [Control Panel], and then [View devices and printers].

### 2. Open the printer properties dialog box.

- Windows XP/Vista, Windows Server 2003/2003 R2/2008:  
Right-click the [LAN-Fax M(number)] icon, and then click [Printing Preferences...].
- Windows 7/8/8.1, Windows Server 2008 R2/2012/2012 R2:  
Right-click the [LAN-Fax M(number)] icon, and then click [Printing preferences].

### 3. Set the following properties.

- Document Size:
- Orientation:
- Input Tray:
- Resolution:

### 4. Click [OK].



# 5. Troubleshooting

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

## Messages Displayed When Installing the Printer Driver

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

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

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

### 1. Open the printer window.

- Windows XP, Windows Server 2003/2003 R2:  
On the [Start] menu, select [Printers and Faxes].
- Windows Vista, Windows Server 2008:  
On the [Start] menu, select [Control Panel], and then click [Printers] in [Hardware and Sound] category.
- Windows 7, Windows Server 2008 R2:  
On the [Start] menu, select [Devices and Printers].
- Windows 8/8.1, Windows Server 2012/2012 R2:  
On the desktop, point to the bottom-right corner, click [Settings], [Control Panel], and then [View devices and printers].

### 2. Click [Add a printer].

### 3. Follow the instructions in Add Printer Wizard.

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

- PCL 5e  
32-bit driver D:\X86\DRIVERS\PCL5E\XP\_VISTA\Language\DISK1  
64-bit driver D:\X64\DRIVERS\PCL5E\X64\Language\DISK1
- PCL 6  
32-bit driver D:\X86\DRIVERS\PCL6\XP\_VISTA\MUI\DISK1  
64-bit driver D:\X64\DRIVERS\PCL6\X64\MUI\DISK1
- PostScript 3  
32-bit driver D:\X86\DRIVERS\PS\XP\_VISTA\MUI\DISK1  
64-bit driver D:\X64\DRIVERS\PS\X64\MUI\DISK1

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

#### 4. Specify a port.

##### **Note**

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

# If USB Connection Fails

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

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





# 6. Installing the Printer Driver Under Mac OS X

This chapter explains how to install and configure the printer drivers for use on the Mac OS X operating system using Mac OS X 10.6 as an example.

## Installing the PPD Files

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

### ★ Important

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

1. Double-click the [Mac OS X] folder.
2. Double-click the [(brand name)] folder.
3. Double-click the [MacOSX PPD Installer] folder.
4. Double-click the package file icon.
5. Follow the instructions on the screen.

### ↓ Note

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

## Registering the Printer

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

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

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

### 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.

## 6

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### USB Connection

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### Important

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

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

If the printer you are using is not selected in [Print Using:], select its manufacturer, [Select a driver to use...], or [Select Printer Software...] in the pop-up menu, and then select the PPD file of the printer. For the location of the PPD files, see page 39 "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.

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## Network Connection

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

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

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

If the printer you are using is not selected in [Print Using:], select its manufacturer, [Select a driver to use...], or [Select Printer Software...] in the pop-up menu, and then select the PPD file of the printer. For the location of the PPD files, see page 39 "Installing the PPD Files".

7. Click [Add].

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

8. Quit System Preferences.

## Configuring Option Settings for the Printer Under Mac OS X

This section explains how to configure the printer driver.

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

### **Note**

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

# 7. Appendix

## Updating or Deleting the Driver

### ★ Important

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

### ↓ Note

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

## Updating the Driver

### Printer driver / LAN-Fax driver

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

#### 1. Open the printer window.

- Windows XP, Windows Server 2003:  
On the [Start] menu, select [Printers and Faxes].
- Windows Vista, Windows Server 2008:  
On the [Start] menu, select [Control Panel], and then click [Printers] in [Hardware and Sound] category.
- Windows 7, Windows Server 2008 R2:  
On the [Start] menu, select [Devices and Printers].
- Windows 8/8.1, Windows Server 2012/2012 R2:  
On the desktop, point to the bottom-right corner, click [Settings], [Control Panel], and then [View devices and printers].

#### 2. Open the printer properties dialog box.

- Windows XP/Vista, Windows Server 2003/2008:  
Right-click the machine's icon, and then click [Properties].
- Windows 7/8/8.1, Windows Server 2008 R2/2012/2012 R2:

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

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

The driver update starts.

9. Click [Finish].
10. Click [OK] to close the printer properties window.
11. Restart the computer.

### **PPD files (Mac OS X), TWAIN/WIA driver**

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

Delete the old version of the driver first, and then install the new driver. For details about how to delete the driver, see page 44 "Deleting the Driver".

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## **Deleting the Driver**

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### **Printer driver / LAN-Fax driver**

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

#### Windows 7, Windows Server 2008 R2

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

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

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

9. Select the driver you want to delete, and then click [Remove...].
10. Select [Remove driver and driver package.], and then click [OK].
11. Click [Yes].
12. Click [Delete].
13. Click [OK].
14. Click [Close] to close the print server properties window.

### PPD files (Mac OS X)

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

### Network TWAIN/USB TWAIN driver

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



1. Select [(model type) TWAIN/WIA Driver Ver.5].
2. Click [Uninstall].
3. Click [OK].

**3. Quit uninstaller.**

## Network WIA/USB WIA driver

**1. Open the [Control Panel] window.**

- Windows Vista/7, Windows Server 2008:  
On the [Start] menu, click [Control Panel].
- Windows 8/8.1, Windows Server 2012/2012 R2:  
On the desktop, point to the bottom-right corner, click [Settings], and then click [Control Panel].

**2. Click [Hardware and Sound], and then click [Device Manager].**

If the [User Account Control] dialog box appears, click [Yes] to continue.

**3. In the [Imaging devices] category, right-click the icon of the machine you want to delete, and then click [Uninstall].**

**4. Click [OK].**

# Trademarks

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MEMO



