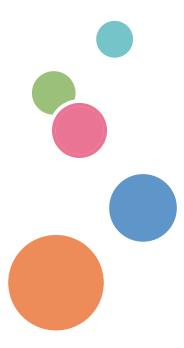
## **Operating Instructions**

## **Printer Driver Installation Guide**



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### 1. Introduction

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

### Start Installer

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

The installer starts automatically when you insert the provided printer driver 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:

#### Install from Disk

While installing the PCL 6 printer driver, also configure the connection settings appropriate for the selected connection type.

For details, see page 11 "Install from Disk".

#### Install Online

Installs the Device Software Manager.

Use Driver Installer in the Device Software Manager to download and install the latest version of the PCL 6 printer driver that supports the device and the operating system you are using.

For details, see page 29 "Installing the Device Software Manager".

#### **PCL Printer Driver**

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

For details about installing the driver, see page 13 "Installing the Printer Driver for a Network Connection".

#### PostScript 3 Printer Driver

Installs the PostScript 3 printer driver.

For details about installing the driver, see page 13 "Installing the Printer Driver for a Network Connection".

#### Select Language

Changes the interface language.

#### **Browse This Disk**

Browses the contents of this disk.

#### Readme

Read this first.

Quits Installer.



- 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.

П

#### 1

### Software and Utilities Included on the CD-ROM

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



- For the latest information on the corresponding operating system, see "Readme.txt" file, located on the CD-ROM root directory.
- For the latest information on Windows Terminal Service, Citrix XenDesktop, and Citrix XenApp, see
  the manufacturer's website.

#### **Printer Drivers**

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

	Printer Language		
Operating System*1	PCL 5c	PCL 6	PostScript 3
Windows 7 *2	OK	OK	OK
Windows 8.1 *3	OK	OK	OK
Windows 10 *4	OK	OK	OK
Windows Server 2008 *5	OK	OK	OK
Windows Server 2012 *6	OK	OK	OK
Windows Server 2016 *7	OK	OK	OK
OS X, macOS *8	_	_	OK

- \*1 Windows operating system supports both versions (32/64 bit)
- \*2 Microsoft Windows 7 Home Premium/Microsoft Windows 7 Professional/Microsoft Windows 7 Ultimate/ Microsoft Windows 7 Enterprise
- \*3 Microsoft Windows 8.1/Microsoft Windows 8.1 Pro/Microsoft Windows 8.1 Enterprise
- \*4 Windows 10 Home/Pro/Enterprise/Education
- \*5 Microsoft Windows Server 2008 Standard/Microsoft Windows Server 2008 Enterprise/Microsoft Windows Server 2008 R2 Standard/Microsoft Windows Server 2008 R2 Enterprise
- \*6 Microsoft Windows Server 2012 Foundation/Microsoft Windows Server 2012 Essentials/Microsoft Windows Server 2012 Standard/Microsoft Windows Server 2012 R2 Foundation/Microsoft Windows Server 2012 R2 Essentials/Microsoft Windows Server 2012 R2 Standard

- \*7 Windows Server 2016 Datacenter/Standard/Essentials/MultiPoint Premium Server
- \*8 OS X 10.10/10.11, macOS 10.12/10.13

#### **PCL** printer drivers

Two kinds of PCL printer driver (PCL 5c 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.



- Some applications may require installation of the PCL 5c printer driver. In this case, you can install PCL 5c without having to install PCL 6.
- For details about installing the driver, see page 13 "Installing the Printer Driver for a Network Connection".

#### Supported languages

The languages supported in each printer driver are as follow:

	Printer Language			
Supported languages	PCL 5c	PCL 6	PostScript 3	PPD (OS X, macOS)
English	0	0	0	0
German	0	0	0	0
French	0	0	0	0
Italian	0	0	0	0
Spanish	0	0	0	0
Dutch	0	0	0	0
Swedish	0	0	0	0
Norwegian	0	0	0	0
Danish	0	0	0	0
Finnish	0	0	×	×
Hungarian	0	0	×	×

	Printer Language			
Supported languages	PCL 5c	PCL 6	PostScript 3	PPD (OS X, macOS)
Czech	0	0	×	×
Polish	0	0	×	×
Portuguese	0	0	×	×
Russian	0	0	×	×
Catalan	0	0	×	×
Turkish	0	0	×	×
Brazilian Portuguese	×	0	×	×
Greek	×	0	×	×
Korean	0	0	0	0
Simplified Chinese	0	0	0	0
Traditional Chinese	0	0	0	0

O: Supported

×: Not supported

## For OS X, macOS Users

If you are using 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 OS X, macOS.
   For details, see page 25 "Installing the Printer Driver Under OS X, macOS".

1

## 2. Installing the Printer Driver

This chapter explains how to install and configure the printer drivers for use on the Windows operating system. Installing procedures on Windows 7 is shown as an example except where indicated.

## **Confirming the Connection Method**

This machine supports only network connection.

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

#### Using the Windows printing port

Network connections can be established through Ethernet.

Available ports are determined based on the Windows operating system version.

- Standard TCP/IP port
- IPP port
- LPR port
- WSD port



• For details about how to install the printer driver for each type of port, see page 13 "Installing the Printer Driver for the Selected Port".

#### Using as a network printer

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

Client OS	Using Server		
• Windows 7	Windows 7 print server		
• Windows 8.1	Windows 8.1 print server		
• Windows 10	<ul> <li>Windows 10 print server</li> </ul>		
• Windows Server 2008/2008 R2	<ul> <li>Windows Server 2008/2008 R2 print server</li> </ul>		
• Windows Server 2012/2012 R2	<ul> <li>Windows Server 2012/2012 R2 print server</li> </ul>		
Windows Server 2016	Windows Server 2016 print server		



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

### **Install from Disk**

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

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



- Manage Printers permission is required to install the drivers. Log on as an Administrators group member.
- 1. Click [Install from Disk] on the installer screen.
- 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 the machine model you want to use in the [Select Printer] dialog box.
- 5. Click [Install].
- 6. When the port setting screen appears, specify a port.
- 7. Configure the user code, default printer, and shared printer as necessary.
- 8. Click [Continue].

The installation starts.

9. Click [Finish].

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

Click [Exit] in the first window of the installer, and then take out the CD-ROM.



- 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 23 "Messages Displayed When Installing the Printer Driver".
- The [AutoPlay] dialog box is displayed only for a few seconds under Windows 8.1/10 and Windows Server 2012/2012 R2/2016. If the [AutoPlay] dialog box disappears, use the following procedure to replay the CD-ROM:
  - Windows Server 2012
    - 1. On the Charm Bar, click [Search], and then click [Computer].

- 2. Double-click the CD-ROM drive in which the provided CD-ROM is set, and then click "Setup.exe".
- Windows 8.1, Windows Server 2012 R2
  - 1. On the desktop, right-click the [Start] button, and then click [File Explorer].
  - 2. Double-click the CD-ROM drive in which the provided CD-ROM is set, and then click "Setup.exe".
- Windows 10, Windows Server 2016
  - 1. On the desktop, right-click the [Start] button, and then click [File Explorer].
  - 2. Double-click the CD-ROM drive in which the provided CD-ROM is set, and then doubleclick "Setup.exe".

#### 2

# Installing the Printer Driver for a Network Connection

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



 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].
- 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 23 "Messages Displayed When Installing the Printer Driver".
- The [AutoPlay] dialog box is displayed only for a few seconds under Windows 8.1/10 and Windows Server 2012/2012 R2/2016. If the [AutoPlay] dialog box disappears, use the following procedure to replay the CD-ROM:
  - Windows Server 2012
    - 1. On the Charm Bar, click [Search], and then click [Computer].
    - Double-click the CD-ROM drive in which the provided CD-ROM is set, and then click "Setup.exe".
  - Windows 8.1, Windows Server 2012 R2
    - 1. On the desktop, right-click the [Start] button, and then click [File Explorer].
    - 2. Double-click the CD-ROM drive in which the provided CD-ROM is set, and then click "Setup.exe".
  - Windows 10, Windows Server 2016
    - 1. On the desktop, right-click the [Start] button, and then click [File Explorer].
    - 2. Double-click the CD-ROM drive in which the provided CD-ROM is set, and then doubleclick "Setup.exe".

#### 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.

Port Type	Printer Driver Type	Reference
Standard TCP/IP port	PCL PS3	page 14 "Using the Standard TCP/IP port"
IPP port	PCL PS3	page 14 "Using the IPP port"
LPR port	PCL PS3	page 16 "Using the LPR port"
WSD port	PCL PS3	page 16 "Using the WSD port"

#### Using the Standard TCP/IP port

PCL PS3

- 1. Click [PCL Printer Driver] or [PostScript 3 Printer Driver] on the installer screen.
- 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 a printer driver you want to use, and then click [Next >].
- 4. Select [Specify a new port], and then click [Next >].
- 5. Select [Standard TCP/IP Port], and then click [Next >].
- 6. Click [Next].
- 7. Enter the machine name or IP address, and then click [Next].
  When the device type selection appears, select "RICOH Network Printer C model".
- 8. Click [Finish].
- 9. Select the [Printer Name:] check box of the machine model you want to use.
- 10. Configure the user code, default printer, and shared printer as necessary.
- Click [Continue].
   The installation starts.
- 12. Click [Finish].

#### Using the IPP port



- Installation of the certificate is especially necessary for users who want to print via IPP-SSL from Windows 7/8.1/10 or Windows Server 2008/2008 R2/2012/2012 R2/2016. 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 7/8.1/10
  or Windows Server 2008/2008 R2/2012/2012 R2/2016. 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. On the [Start] menu, click [Devices and Printers].

If you are using a computer that is running Windows 8.1 or 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].

If you are using a computer that is running Windows 10, Windows Server 2016 right-click the [Start] button on the desktop, and then click [Control Panel]. When the [Control Panel] window appears, click [View devices and printers].

2. Click [Add a printer].

If you are using a computer that is running Windows 8.1/10 or Windows Server 2012/2012 R2/2016, proceed to Step 4.

- 3. Click [Add a network, wireless or Bluetooth printer].
- 4. Click [The printer that I want isn't listed].
- 5. 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].
- 6. Click [Have Disk...].
- 7. Click [Browse...], and then specify a location for the INF file.

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

PCL 5c

32-bit driver D:\X86\DRIVERS\PCL5C\X86\(Language)\DISK1 64-bit driver D:\X64\DRIVERS\PCL5C\X64\(Language)\DISK1

PCL 6

32-bit driver D:\X86\DRIVERS\PCL6\X86\MUI\DISK1 64-bit driver D:\X64\DRIVERS\PCL6\X64\MUI\DISK1

PostScript 3

32-bit driver D:\X86\DRIVERS\PS\X86\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 [Open].
- 9. Click [OK] to close the [Install From Disk] window.
- Select the manufacturer and model name of the machine you want to use, and then click [OK].

The installation starts.

- 11. Follow the instructions that appear. Modify settings such as printer name and default printer configuration, as necessary. You can also print a test page.
- 12. Click [Finish].

#### Using the LPR 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 >].
- Select a printer driver you want to use, and then click [Next >].
- 4. Select [Specify a new port], and then click [Next >].
- 5. Select [LPR Port], and then click [Next >].
- Enter the machine name or IP address in the [Name or address of server providing lpd:] box.
- Enter "lp" in the [Name of printer or print queue on that server:] box, and then click [OK].
- 8. Select the [Printer Name:] check box of the machine model you want to use.
- 9. Configure the user code, default printer, and shared printer as necessary.
- 10. Click [Continue].

The installation starts.

11. Click [Finish].

#### Using the WSD port





- The WSD port can be used under Windows 7/8.1/10, or Windows Server 2008/2008 R2/2012/2012 R2/2016.
- You can connect to the printer only if both the printer and computer are on the same network segment, or "Network discovery" is enabled. For details, see Windows Help.

#### Windows Server 2008

- 1. On the [Start] menu, click [Network].
- 2. Right-click the machine's icon, and then click [Install].
- 3. Click [Locate and install driver software (recommended)].
- 4. Click [Browse my computer for driver software (advanced)].
- 5. Click [Browse...], and then specify the location of the INF file.

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

- PCL 5c
  - $32\text{-bit driver D:} \X86\DRIVERS\PCL5C\X86\([Language]\DISK1)$
  - 64-bit driver D:\X64\DRIVERS\PCL5C\X64\(Language)\DISK1
- PCL 6
  - 32-bit driver D:\X86\DRIVERS\PCL6\X86\MUI\DISK1
  - 64-bit driver D:\X64\DRIVERS\PCL6\X64\MUI\DISK1
- PostScript 3
  - 32-bit driver D:\X86\DRIVERS\PS\X86\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".

- 6. Click [Next].
- 7. Click [Close].

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



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

#### Windows 7, Windows Server 2008 R2

- 1. On the [Start] menu, click [Computer].
- 2. Click [Network].
- 3. Right-click the machine's icon, and then click [Install].
- 4. On the [Start] menu, click [Devices and Printers].
- 5. Click [Add a printer].
- 6. Click [Add a local printer].

- 7. Select [Use an existing port:], and then select WSD port.
- 8. Click [Next].
- 9. Click [Have Disk...].
- 10. Click [Browse...], and then specify the location of the INF file.

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

PCL 5c

```
32-bit driver D:\X86\DRIVERS\PCL5C\X86\(Language)\DISK1 64-bit driver D:\X64\DRIVERS\PCL5C\X64\(Language)\DISK1
```

PCL 6

```
32-bit driver D:\X86\DRIVERS\PCL6\X86\MUI\DISK1 64-bit driver D:\X64\DRIVERS\PCL6\X64\MUI\DISK1
```

PostScript 3

```
32-bit driver D:\X86\DRIVERS\PS\X86\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".

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

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



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

#### Windows 8.1/10, Windows Server 2012/2012 R2/2016

- 1. Open the [Devices and Printers] window.
  - Windows 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].
  - Windows 10, Windows Server 2016:

Right-click the [Start] button on the desktop, 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:

- PCI 5c
  - 32-bit driver D:\X86\DRIVERS\PCL5C\X86\(Language)\DISK1 64-bit driver D:\X64\DRIVERS\PCL5C\X64\(Language)\DISK1
- PCL 6
  - 32-bit driver D:\X86\DRIVERS\PCL6\X86\MUI\DISK1
  - 64-bit driver D:\X64\DRIVERS\PCL6\X64\MUI\DISK1
- PostScript 3
  - 32-bit driver D:\X86\DRIVERS\PS\X86\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].
- 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. Click [Add a Printer] on the [Devices and Printers] window.
- 13. Click [The printer that I want isn't listed].
- 14. Select [Add a Bluetooth, wireless or network discoverable printer], and then click [Next].
- 15. Select the machine you want to use, and then click [Next].

#### 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	PCL PS3	page 20 "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 >].
- 3. Select a printer driver you want to use, and then click [Next >].
- 4. Select [Specify a new port], and then click [Next >].
- 5. Select [Network Printer], and then click [Next >].
- Double-click the computer name you want to use as a print server in the [Browse for Printer] window.
- 7. Select the machine you want to use, and then click [OK].
- 8. Select the [Printer Name:] check box of the machine model you want to use.
- 9. Configure the user code, default printer, and shared printer as necessary.
- 10. Click [Continue].

The installation starts.

11. Click [Finish].

#### 2

## **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.



 Manage Printers permission is required to enable bidirectional communication or to configure the option settings. Log on as an Administrators group member.

#### **Conditions for Bidirectional Communication**

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

- The Standard TCP/IP port must be used.
- The TCP/IP protocol or the IPP protocol is used. (When using the IPP protocol, the IPP port name must include the IP address.)



- 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 5c printer driver supports bidirectional communication. You can update the printer status manually.

#### If Bidirectional Communication is Disabled

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

- 1. Open the printer window.
  - 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 8.1, 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].
- Windows 10, Windows Server 2016:
   Right-click the [Start] button on the desktop, and then click [Control Panel]. When the [Control Panel] window appears, click [View devices and printers].
- 2. Open the printer properties dialog box.
  - Windows Server 2008:
     Right-click the machine's icon, and then click [Properties].
  - Windows 7/8.1/10, Windows Server 2008 R2/2012/2012 R2/2016:
     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.

- 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 [Apply].
- 9. Click [OK] to close the printer properties window.



For details about making option settings for the machine using a OS X, macOS, see page 21
"Configuring Option Settings for the Printer".

## 3. Troubleshooting

This chapter provides solutions for driver installation 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 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 8.1, 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].
- Windows 10, Windows Server 2016:
  - 1. On the desktop, right-click the [Start] button, and then click [File Explorer].
  - 2. Double-click the CD-ROM drive in which the provided CD-ROM is set, and then doubleclick "Setup.exe".

#### 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 5c
  - 32-bit driver D:\X86\DRIVERS\PCL5C\X86\(Language)\DISK1
  - 64-bit driver D:\X64\DRIVERS\PCL5C\X64\(Language)\DISK1
- PCL 6
  - 32-bit driver D:\X86\DRIVERS\PCL6\X86\MUI\DISK1
  - 64-bit driver D:\X64\DRIVERS\PCL6\X64\MUI\DISK1
- PostScript 3

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

4. Specify a port.



 Available ports vary according to your Windows operating system or the type of interface. For details, see page 9 "Confirming the Connection Method".

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# 4. Installing the Printer Driver Under OS X, macOS

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

## **Installing the PPD Files**

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



- 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, located on the CD-ROM root directory.
- 1. Double-click the [macOS] folder.
- 2. Double-click the [(brand name)] folder.
- 3. Double-click the [macOS PPD Installer] folder.
- 4. Double-click the package file icon.
- 5. Follow the instructions on the screen.



- 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 details about how to connect the machine to the computer, see "Connecting the Machine", Device Management.



- The operating procedure under OS X, macOS 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.
- 1. Start System Preferences.
- 2. Click [Print & Scan] or [Printers & Scanners].
- Click the [+] button.
   If [Add Printer or Scanner...] appears, click it.
- 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:] or [Use:] pop-up menu.

If the printer you are using is not selected in [Use:], select its manufacturer in the [Select Software...] pop-up menu, and then select the PPD file of the printer. For the location of the PPD files, see page 25 "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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# Configuring Option Settings for the Printer Under OS X, macOS

This section explains how to configure the printer driver.

- 1. Start System Preferences.
- 2. Click [Printers & Scanners].
- 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.



• 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.

# 5. Installing the Latest Driver via an Internet

This chapter provides the overview of Device Software Manager and describes how to install the software.

## Installing the Device Software Manager

Click [Install Online] in the installer screen to install Device Software Manager for downloading and installing the latest driver.

The following software is included in Device Software Manager:

#### **Driver Installer**

Allows you to download, install, and update the latest version of the driver that supports your operating system and the connected printer.

#### Manager

Allows you to update [Driver Installer] to the latest version.

For the operating systems and languages supported by Device Software Manager, see page 5 "Software and Utilities Included on the CD-ROM".

- 1. Click [Install Online] 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 [Install].
  - Device Software Manager setup begins.
- The terms appears in the [Quality Improvement Program] dialog box. After reading these
  terms, select [I will participate in the Quality Improvement Program] or [I will not
  participate in the Quality Improvement Program], and then click [Next].
  - The installation starts. Wait a while.
- 4. On the "Driver Installer" screen, select [Network], and then click [Next].
  - To update the driver, click [Update Driver].
- 5. Follow the instructions on the screen.

#### **Uninstalling Device Software Manager**

1. On the [Start] menu, select [Control Panel].

If you are using a computer that is running Windows 8.1 or Windows Server 2012/2012 R2, click [Settings] on the Charm Bar, and then click [Control Panel].

If you are using a computer that is running Windows 10 or Windows Server 2016, right-click the [Start] button on the desktop, and then click [Control Panel].

- 2. Click [Programs and Features] or click [Uninstall a program].
- 3. Select [Device Software Manager], and then click [Uninstall].
- 4. Follow the instructions on the screen.



• For details about uninstalling the driver, see page 32 "Deleting the Printer Driver".

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## 6. Appendix

## **Updating or Deleting the Printer Driver**

You can update or delete the printer driver manually.

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- 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.



- 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 Printer Driver**

#### Windows

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

#### 1. Open the printer window.

- 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 8.1, 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].
- Windows 10, Windows Server 2016:
  - Right-click the [Start] button on the desktop, and then click [Control Panel]. When the [Control Panel] window appears, click [View devices and printers].

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

• Windows Server 2008:

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

- Windows 7/8.1/10, Windows Server 2008 R2/2012/2012 R2/2016:
   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].
- Click [Finish].The driver update starts.
- 10. Click [OK] to close the printer properties window.
- 11. Restart the computer.

#### Updating the PPD files on an OS X or macOS

Download the latest version of the PPD files from the manufacturer's website. For details about the procedure for installing the PPD files, see page 25 "Installing the PPD Files".

After finishing the installation, delete the old version of the printer driver from the printer list, and then register the latest printer driver. For details about how to delete the printer driver, see page 32 "Deleting the Printer Driver". For details about how to register the printer driver, see page 26 "Registering the Printer".

#### **Deleting the Printer Driver**

#### Windows

#### Windows Server 2008

- 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].

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- 7. Click [Yes].
- 8. Click [Delete].
- 9. Click [OK].
- 10. Click [Close] to close the print server properties window.

#### Windows 7/8.1/10, Windows Server 2008 R2/2012/2012 R2/2016

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

If you are using a computer that is running Windows 8.1 or 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].

If you are using a computer that is running Windows 10, Windows Server 2016, right-click the [Start] button on the desktop, and then click [Control Panel]. When the [Control Panel] window appears, click [View 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.

#### OS X, macOS

- 1. Start System Preferences.
- 2. Click [Printers & Scanners].
- Select the printer you want to delete, click the [-] button.
- 4. Click [Delete Printer].

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