



Software Setup Guide

A large, light gray graphic of a CD-ROM is positioned on the left side of the page, partially behind the title and the table of contents.

**BEFORE INSTALLING
THE SOFTWARE**

**SETUP IN A WINDOWS
ENVIRONMENT**

TROUBLESHOOTING

A stylized, light gray illustration of a computer system is located at the bottom right. It includes a monitor on a stand, a desktop tower unit, and a mouse connected by a cord.

Thank you for purchasing this product. This manual explains how to install and configure the software that allows the machine to be used as a printer for a computer.
If the software is not installed correctly or you need to remove the software, see "3. TROUBLESHOOTING" (page 21).

Please note

- The explanations in this manual assume that you have a working knowledge of your Windows computer.
- For information on your operating system, please refer to your operating system manual or the online Help function.
- The explanations of screens and procedures in this manual are primarily for Windows 7® in Windows® environments. The screens may vary depending on the version of the operating system.
- Wherever "XX-xxxx" appears in this manual, please substitute your model name for "XX-xxxx".
- Considerable care has been taken in preparing this manual. If you have any comments or concerns about the manual, please contact your dealer or nearest authorized service representative.
- This product has undergone strict quality control and inspection procedures. In the unlikely event that a defect or other problem is discovered, please contact your dealer or nearest authorized service representative.
- Aside from instances provided for by law, SHARP is not responsible for failures occurring during the use of the product or its options, or failures due to incorrect operation of the product and its options, or other failures, or for any damage that occurs due to use of the product.

Warning

- Reproduction, adaptation or translation of the contents of the manual without prior written permission is prohibited, except as allowed under copyright laws.
- All information in this manual is subject to change without notice.
- The network cable or USB cable that is to be connected to this machine should be a shielded cable that is compliant with the specifications.

Illustrations and the operation panel and touch panel shown in this manual

The peripheral devices are generally optional.

For some functions and procedures, the explanations assume that devices other than the above are installed.

The display screens, messages, and key names shown in the manual may differ from those on the actual machine due to product improvements and modifications.

SOFTWARE LICENSE

The SOFTWARE LICENSE will appear when you install the software from the CD-ROM. By using all or any portion of the software on the CD-ROM or in the machine, you are agreeing to be bound by the terms of the SOFTWARE LICENSE.

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1

BEFORE INSTALLING THE SOFTWARE

This chapter describes the software programs that allow you to use the printer functions of the machine, the CD-ROM that contain the software, and the pages where the installation procedures can be found.

CD-ROM AND SOFTWARE

The software that can be used with the machine is on the CD-ROM that accompany the machine. Before installing the software, make sure that your computer and the machine meet the system requirements described in "VERIFYING SYSTEM REQUIREMENTS" (page 3).

SOFTWARE CD-ROM

The "Software CD-ROM" that accompanies the machine contains the printer driver and other software.

Software for Windows

- **PCL6 printer driver**

These allow the machine to be used as a printer.

The machine supports the Hewlett-Packard PCL6 printer control languages.

☞ WHEN THE MACHINE IS CONNECTED TO A NETWORK (page 6)

☞ WHEN THE MACHINE WILL BE CONNECTED WITH A USB CABLE (page 13)

- **Printer Status Monitor (can only be used when the machine is connected to a network)**

This allows you to monitor the status of the machine on your computer screen.

☞ INSTALLING THE PRINTER STATUS MONITOR (page 17)

VERIFYING SYSTEM REQUIREMENTS

SYSTEM REQUIREMENTS

Before installing the software described in this manual, make sure that your computer satisfies the following requirements.

	Windows
Operating system*1	Windows Server 2003*3, Windows Vista*3, Windows Server 2008*3, Windows 7*3, Windows 8*3, Windows 10*3, Windows Server 2012
Computer type*2	IBM PC/AT compatible computer Equipped with a 10Base-T/100Base-TX/1000Base-T LAN board or equipped standard with a USB 2.0*4/1.1*5 port.
Display	1024 x 768 dots resolution and 16-bit color or higher is recommended.
Other hardware requirements	An environment that allows any of the above operating systems to fully operate.

*1 The Windows OS Starter Edition and Embedded Edition are not supported.

Other editions and service packs are supported, however, it is recommended that service packs be updated to the newest available version.

*2 In addition to the models described on the right, some models equipped with the wireless LAN function are also supported.

*3 Including the 32-bit/64-bit edition OS.

*4 The machine's USB 2.0 port will transfer data at the speed specified by the USB2.0 (Hi-Speed) standard only if the Microsoft USB 2.0 driver is preinstalled in the computer, or if the USB 2.0 driver for Windows Vista/7/8/10/Server 2012 that Microsoft provides through "Windows Update" is installed.

*5 Compatible with models preinstalled with Windows Server 2003, Windows Vista, Windows Server 2008, Windows 7, Windows 8, Windows 10, or Windows Server 2012, and which are equipped standard with a USB interface.



For users of Windows Server 2003/Vista/Server 2008/7/8/10/Server 2012

To perform the procedures described in this manual such as installing the software and configuring settings after installation, administrator authority is required.

SOFTWARE REQUIREMENTS

The following requirements must be met to use the software described in this manual.

Operating system environment*1	Software	Required expansion kits	Type of connection*1
Windows	PCL6 printer driver	Can be used in the standard configuration.	Network/ USB
	Printer Status Monitor		Network only*2 (cannot be used with a USB connection)

*1 For the types of computers and operating systems that can run the software, see "SYSTEM REQUIREMENTS" (page 3).

*2 The Printer Status Monitor cannot be used when the network is only IPv6.


CONNECTING THE MACHINE

CONNECTING TO A NETWORK

To connect the machine to a network, connect the LAN cable to the machine's network connector. Use a shielded LAN cable.

After connecting the machine to a network, be sure to configure the IP address and other network settings before installing the software. (The factory default setting for the IP address is to receive the IP address automatically when the machine is used in a DHCP environment.)

Network settings can be configured using "Network Settings" in the system settings (administrator) on the machine.

- 
- If the machine is used in a DHCP environment, the IP address of the machine may change. If this happens, printing will not be possible. This problem can be avoided by using a WINS server or by assigning a permanent IP address to the machine.
 - This manual explains how to set up the software in a Windows network environment.
 - When using this machine on an IPv6 network, enable IPv6 setting in the "Network Settings" in the system settings (administrator).

► Checking the IP address of the machine

You can check the IP address of the machine by printing out the "All Custom Setting List" in the system settings.

Touch the [SYSTEM SETTINGS] key, touch the [List Print (User)] key, select "All Custom Setting List" and then touch the [Print] key.

CONNECTING THE MACHINE WITH A USB CABLE (Windows)

The machine can be connected to a computer using a USB cable if the computer is a Windows computer.



The machine and computer should be unconnected while the printer driver is being installed, then can be connected after finishing the installation. If a USB cable is connected before the printer driver is installed, the printer driver will not be installed correctly. For the procedure for connecting a USB cable, see "WHEN THE MACHINE WILL BE CONNECTED WITH A USB CABLE" (page 13).


2 SETUP IN A WINDOWS ENVIRONMENT

This section explains how to install the software and configure settings so that the printer and scanner function of the machine can be used with a Windows computer.

OPENING THE SOFTWARE SELECTION SCREEN (FOR ALL SOFTWARE)

1 Insert the "Software CD-ROM" into your computer's CD-ROM drive.

2 Click the [Start] button (), click [Computer], and then double-click the [CD-ROM] icon ().

- In Windows Server 2003, click the [start] button, click [My Computer], and then double-click the [CD-ROM] icon.
- In Windows 8, double-click the [CD-ROM] icon.
 - * If no icon is displayed, right-click in the Start screen (or swipe upward from the bottom edge), then select the App Bar → [All apps] → [Computer] and then double-click [CD-ROM] icon.
- In Windows 10, click the [File Explorer] icon () on the Toolbar, then click [This PC], and then double-click the [CD-ROM] icon.
- In Windows Server 2012, click the [Computer] icon in the Start Screen and then double-click the [CD-ROM] icon.

3 Double-click the [Setup] icon ().



- In Windows 7/8/10/Server2012, if a message screen appears asking you for confirmation, click [Yes].
- In Windows Vista/Server 2008, if a message screen appears asking you for confirmation, click [Allow].

4 The "SOFTWARE LICENSE" window will appear. Make sure that you understand the contents of the license agreement and then click the [Yes] button.



You can show the "SOFTWARE LICENSE" in a different language by selecting the desired language from the language menu. To install the software in the selected language, continue the installation with that language selected.

5 Read the message in the "Welcome" window and then click the [Next] button.

6 The software selection screen appears.

Before installing the software, be sure to click the [Display Readme] button and view the detailed information on the software.



For the steps that follow, see the appropriate page below for the software that you are installing.

INSTALLING THE PRINTER DRIVER

- **WHEN THE MACHINE IS CONNECTED TO A NETWORK**
 - Standard installation: page 7
 - Installation by specifying the machine's address: page 9
 - Printing using the IPP function and the SSL function: page 11
 - **WHEN THE MACHINE WILL BE CONNECTED WITH A USB CABLE:** page 13
 - **USING THE MACHINE AS A SHARED PRINTER:** page 15
- INSTALLING THE PRINTER STATUS MONITOR:** page 17
- * If the machine is being used on an IPv6 network, see "Installation by specifying the machine's address" (page 9).

INSTALLING THE PRINTER DRIVER

To install the printer driver, follow the appropriate procedure in this section depending on whether the machine is connected to a network or connected by USB cable.

🖨️ WHEN THE MACHINE WILL BE CONNECTED WITH A USB CABLE (page 13)

WHEN THE MACHINE IS CONNECTED TO A NETWORK

This section explains how to install the printer driver when the machine is connected to a Windows network (TCP/IP network).

Supported operating systems: Windows Server 2003/Vista/Server 2008/7/8/10/Server 2012

Administrator's rights are required to install the software.



- To print to the machine over the Internet using the IPP function when the machine is installed in a remote location, or to print using the SSL (encrypted communication) function, see "Printing using the IPP function and the SSL function" (page 11) and install the printer driver.
- **If the machine is connected to an IPv6-only network**
The software cannot be installed by detecting the machine's address from the installer. After installing the software as explained in "Installation by specifying the machine's address" (page 9), change the port as explained in "Changing to a Standard TCP/IP Port" (page 19).

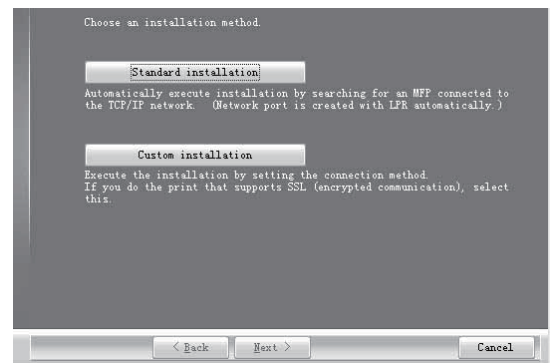
► Standard installation

When the software selection screen appears in step 6 of "OPENING THE SOFTWARE SELECTION SCREEN (FOR ALL SOFTWARE)" (page 5), perform the steps below.

1 Click the [Printer Driver] button.



2 Click the [Standard installation] button.



When [Custom installation] is selected, you can change any of the items below. When [Standard installation] is selected, the installation will take place as indicated below.

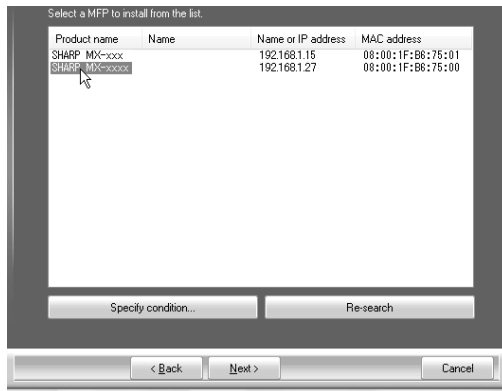
- Machine connection method: LPR Direct Print (Auto Search)

- Set as default printer: Yes
- Printer driver name: Cannot be changed
- PCL printer display fonts: Installed

If you selected [Custom installation], select [LPR Direct Print (Auto Search)] and click the [Next] button. If you selected other than [LPR Direct Print (Auto Search)], see the following pages:

- LPR Direct Print (Specify Address): page 9
- IPP (Supports SSL): page 11
- Shared printer: page 15
- Connected to this computer: page 13

- 3 Printers connected to the network are detected. Select the machine and click the [Next] button.**



- This screen is not displayed when only 1 device is found in the search results.
 - If the machine is not found, make sure that the machine is powered on and that the machine is connected to the network, and then click the [Re-search] button.
 - You can also click the [Specify condition] button and search for the machine by entering the machine's name (host name) or IP address.
- ☞ Checking the IP address of the machine (page 4)

- 4 A confirmation window appears. Check the contents and then click the [Next] button.**

- 5 Follow the on-screen instructions.**

Read the message in the window that appears and click the [Next] button.
Installation begins.

- **If you are using Windows Vista**
If a security warning window appears, be sure to click [Install this driver software anyway].
- **If you are using Windows Server 2008/7/8/10/ Server 2012**
The "Windows Security" window will appear, be sure to click [Install].
- **If you are using Windows Server 2003**
If a warning message regarding the Windows logo test or digital signature appears, be sure to click the [Continue Anyway] or [STOP Installation] button.

- 6 When the installation completed screen appears, click the [OK] button.**

- 7 Click the [Close] button in the window of step 1.**

After the installation, a message prompting you to restart your computer may appear. If this message appears, click the [Yes] button to restart your computer.

This completes the installation.

- After installation, see "CONFIGURING THE PRINTER DRIVER FOR THE OPTIONS INSTALLED ON THE MACHINE" (page 16) to configure the printer driver settings.
- If you are using the machine as a shared printer, see "USING THE MACHINE AS A SHARED PRINTER" (page 15) to install the printer driver on each of the client computers.

► Installation by specifying the machine's address

When the machine cannot be found because it is not powered on or otherwise, installation is possible by entering the name (host name) or IP address of the machine.

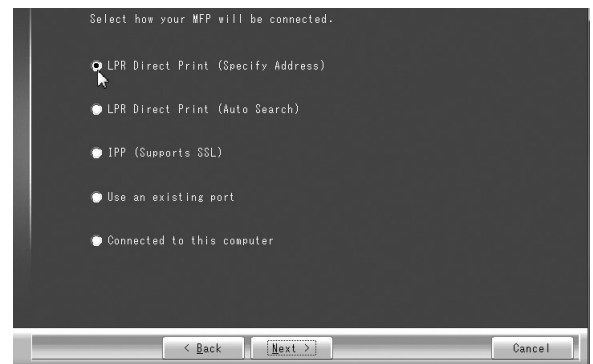
If the machine is being used on an IPv6 network, after you have installed the software as explained below, change the port as explained in "Changing to a Standard TCP/IP Port" (page 19).

When the software selection screen appears in step 6 of "OPENING THE SOFTWARE SELECTION SCREEN (FOR ALL SOFTWARE)" (page 5), perform the steps below.

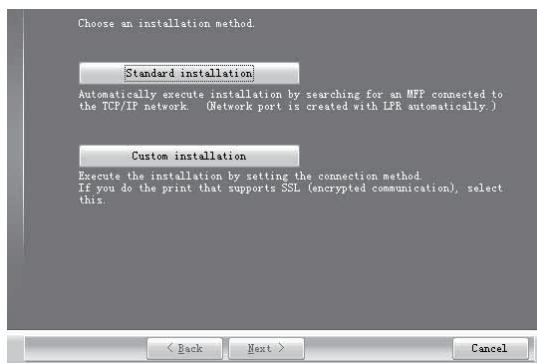
1 Click the [Printer Driver] button.



3 When you are asked how the printer is connected, select [LPR Direct Print (Specify Address)] and click the [Next] button.

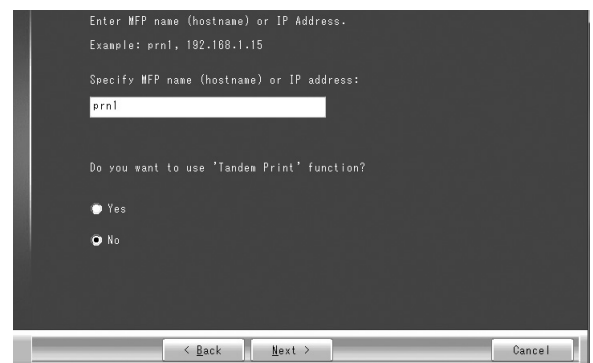


2 Click the [Custom installation] button.



4 Enter the name (host name) or IP address of the machine and click the [Next] button.

☞ Checking the IP address of the machine (page 4)



If the machine is being used on an IPv6 network, enter any numbers or characters.

5 When the model selection window appears, select the model name of your machine and click the [Next] button.

6 Select whether or not you wish the printer to be your default printer and click the [Next] button.

If you are installing multiple drivers, select the printer driver to be used as the default printer.
If you do not wish to set one of the printer drivers as the default printer, select [No].

7 When the printer name window appears, click the [Next] button.

If you wish to change the printer name, enter the desired name.

8 When you are asked if you wish to install the display fonts, select an answer and click the [Next] button.

9 Follow the on-screen instructions.

Read the message in the window that appears and click the [Next] button.
Installation begins.



- **If you are using Windows Vista**
If a security warning window appears, be sure to click [Install this driver software anyway].
- **If you are using Windows Server 2008/7/8/10/ Server 2012**
The "Windows Security" window will appear, be sure to click [Install].
- **If you are using Windows Server 2003**
If a warning message regarding the Windows logo test or digital signature appears, be sure to click the [Continue Anyway] or [STOP Installation] button.

10 When the installation completed screen appears, click the [OK] button.

11 Click the [Close] button in the window of step 1.



After the installation, a message prompting you to restart your computer may appear. If this message appears, click the [Yes] button to restart your computer.

This completes the installation.

- After installation, see "CONFIGURING THE PRINTER DRIVER FOR THE OPTIONS INSTALLED ON THE MACHINE" (page 16) to configure the printer driver settings.
- When using this machine on an IPv6 network, refer to "Changing to a Standard TCP/IP Port" (page 19) and change the port.

► Printing using the IPP function and the SSL function

The IPP function can be used to print to the machine over a network using HTTP protocol.

When the machine is in a remote location, this function can be used in place of the fax function to print a higher quality image than a fax. The IPP function can also be used in combination with the SSL (encrypted communication) function to encrypt the print data. This enables secure printing with no concern that the data will be leaked to others.



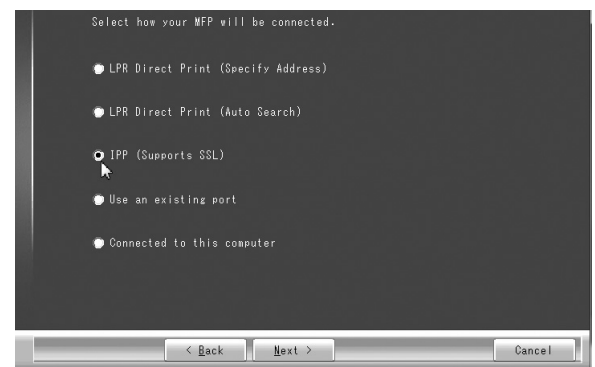
To use the SSL function, configure the "SSL Settings" in the system settings (administrator) of the machine. To configure the settings, see "5. SYSTEM SETTINGS" in the Operation Guide.

When the software selection screen appears in step 6 of "OPENING THE SOFTWARE SELECTION SCREEN (FOR ALL SOFTWARE)" (page 5), perform the steps below.

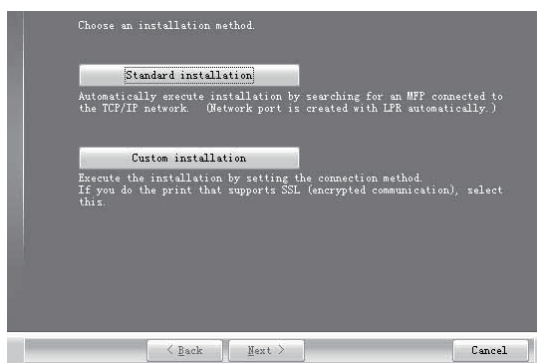
1 Click the [Printer Driver] button.



3 When you are asked how the printer is connected, select [IPP (Supports SSL)] and click the [Next] button.

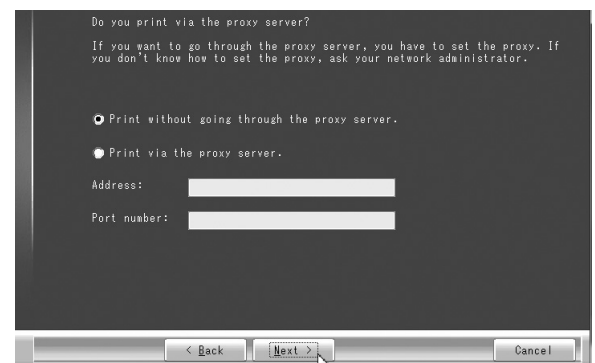


2 Click the [Custom installation] button.



4 If a proxy server is used, specify the proxy server and click the [Next] button.

To specify a proxy server, select [Print via the proxy server] and then enter the [Address] and [Port number].



5 Enter the machine's URL and click the [Next] button.

Enter the URL in the following format:

Normal format:

`http://<the machine's domain name or IP address>:631*1/ipp`

*1 Normally "631" should be entered for the port number.

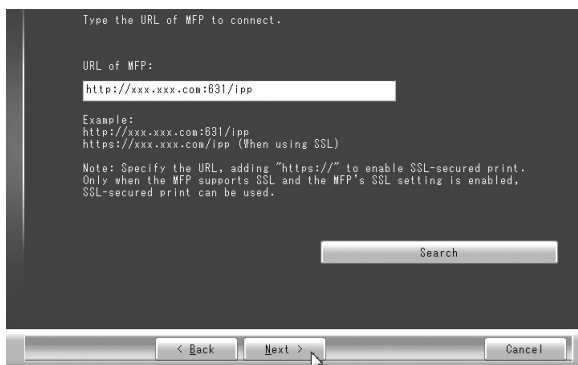
If the IPP port number has been changed on the machine, enter the new port number.

When SSL is used:

`https://< the machine's domain name or IP address>:<port number*2>/ipp`

*2 Normally the port number and the colon ":"

immediately preceding the port number can be omitted. If the IPP port number for SSL has been changed on the machine, enter the new port number.



If your computer and the machine are connected to the same local area network, you can click the [Search] button to search for the machine. The machine's URL will appear. Select the URL and click the [OK] button. You will return to the above screen and the machine's URL will be automatically entered.

6 Perform steps 5 through 11 on page 10 to continue the installation.


This completes the installation.

- After installation, see "CONFIGURING THE PRINTER DRIVER FOR THE OPTIONS INSTALLED ON THE MACHINE" (page 16) to configure the printer driver settings.

WHEN THE MACHINE WILL BE CONNECTED WITH A USB CABLE

Supported operating systems: Windows Server 2003/Vista/Server 2008/7/8/10/Server 2012

Administrator's rights are required to install the software.

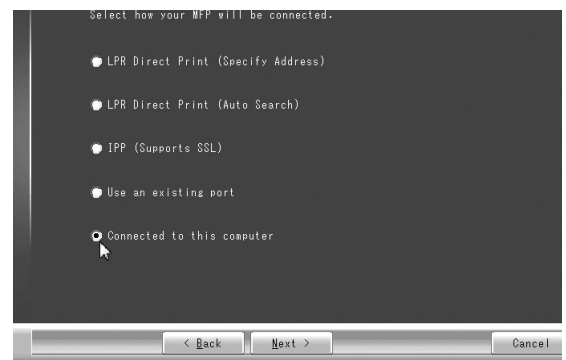
 **Make sure that a USB cable is not connected to your computer and the machine.**
If a cable is connected, a Plug and Play window will appear. If this happens, click the [Cancel] button to close the window and disconnect the cable.

When the software selection screen appears in step 6 of "OPENING THE SOFTWARE SELECTION SCREEN (FOR ALL SOFTWARE)" (page 5), perform the steps below.

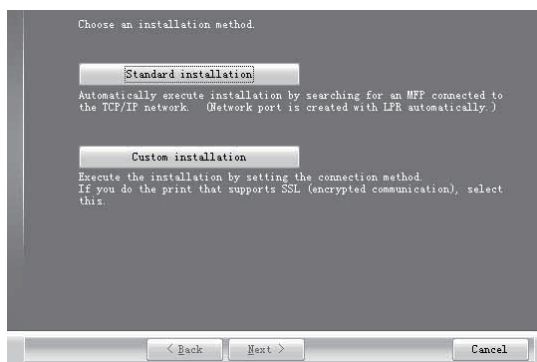
1 Click the [Printer Driver] button.



3 When you are asked how the printer is connected, select [Connected to this computer] and click the [Next] button.



2 Click the [Custom installation] button.



4 When you are asked if you wish to install the display fonts, select an answer and click the [Next] button.

5 Follow the on-screen instructions.

Read the message in the window that appears and click the [Next] button.

When the installation completed screen appears, click the [OK] button.



- **If you are using Windows Vista**

If a security warning window appears, be sure to click [Install this driver software anyway].

- **If you are using Windows Server 2008/7/8/10/ Server 2012**

The "Windows Security" window will appear, be sure to click [Install].

- **If you are using Windows Server 2003**

If a warning message regarding the Windows logo test or digital signature appears, be sure to click the [Continue Anyway] or [STOP Installation] button.

6 Click the [Close] button in the window of step 1.

When a message appears prompting you to restart your computer before connecting the machine to your computer, click the [OK] button.



After the installation, a message prompting you to restart your computer may appear. If this message appears, click the [Yes] button to restart your computer.

7 Connect the machine to your computer with a USB cable.

(1) **Make sure that the machine is powered on.**

(2) **Connect the cable to the USB connector (B type) on the machine.**

The USB interface on the machine complies with the USB 2.0 (Hi-Speed) standard. Please purchase a shielded USB cable.

(3) **Connect the other end of the cable to the USB connector (A type) on your computer.**

8 Installation of the PCL6 printer driver begins.

When the "Found New Hardware Wizard" appears, select [Install the software automatically (Recommended)], click the [Next] button, and follow the on-screen instructions.



- **If you are using Windows Vista**

If a security warning window appears, be sure to click [Install this driver software anyway].

- **If you are using Windows Server 2008/7/8/10/ Server 2012**

The "Windows Security" window will appear, be sure to click [Install].

- **If you are using Windows Server 2003**

If a warning message regarding the Windows logo test or digital signature appears, be sure to click the [Continue Anyway] or [STOP Installation] button.

This completes the installation.

- After installing the printer driver, see "CONFIGURING THE PRINTER DRIVER FOR THE OPTIONS INSTALLED ON THE MACHINE" (page 16) to configure the printer driver settings.
- If you are using the machine as a shared printer, see "USING THE MACHINE AS A SHARED PRINTER" (page 15) to install the printer driver on each of the client computers.

USING THE MACHINE AS A SHARED PRINTER

If you are going to use the machine as a shared printer on a Windows network with the printer driver installed on a print server, follow the steps below to install the printer driver on the client computers.

- Ask your network administrator for the server name and printer name of the machine on the network.
- For the procedure for configuring settings on the print server, see the operation manual or the Help file of the operating system. The "print server" explained here is a computer that is connected directly to the machine, and "clients" are other computers connected to the same network as the print server.
- Install the same printer driver on client computers as the printer driver that is installed on the print server.

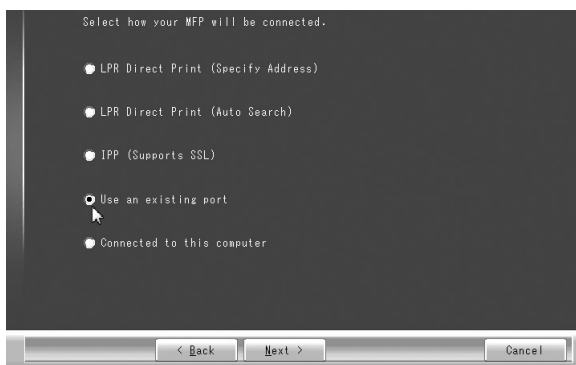
When the software selection screen appears in step 6 of "OPENING THE SOFTWARE SELECTION SCREEN (FOR ALL SOFTWARE)" (page 5), perform the steps below.

1 Click the [Printer Driver] button.

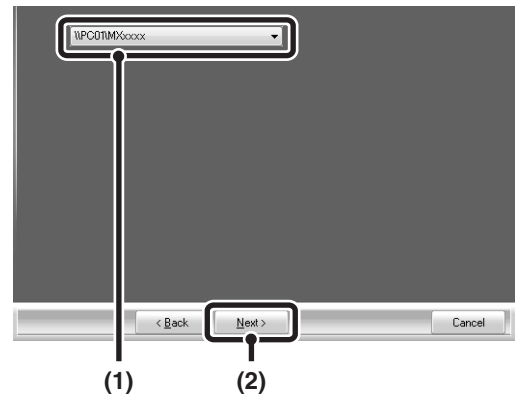


2 Click the [Custom installation] button.

3 Select [Use an existing port] and click the [Next] button.



4 Select the desired MFP port.



(1) Select the MFP port.

If you are using Windows Server 2003, you can also click the [Add Network Port] button displayed below the list and select the printer to be shared by browsing the network in the window that appears.

(2) Click the [Next] button.



If the shared printer does not appear in the list, check the settings on the print server.

5 Perform steps 5 through 11 on page 10 to continue the installation.


In the printer driver selection screen, be sure to select the same type of printer driver as the printer driver installed on the print server.

This completes the installation.

CONFIGURING THE PRINTER DRIVER FOR THE OPTIONS INSTALLED ON THE MACHINE

After installing the printer driver, you must configure the printer driver settings appropriately for the options that have been installed and the size and type of paper loaded in the machine. Follow the steps below to configure the printer driver.

1 Click the [Start] button (, click [Control Panel], and then click [View devices and printers].

- In Windows Server 2003, click the [start] button and then click [Printers and Faxes].
- For Windows 8, right-click in the Start screen (or swipe upward from the bottom edge), then click the App Bar → [All apps] → [Control Panel] → [Hardware and Sound] → [Devices and Printers] → [Printers].
- In Windows 10, right-click the [Start] button (, then click [Control Panel] → [Hardware and Sound] → [Devices and Printers].
- In Windows Server 2012, click the [Control Panel] icon in the Start Screen → [Hardware] → [Devices and Printers] → [Printers].

2 Open the printer properties window.

- (1) Right-click the printer driver icon of the machine.
- (2) Select [Printer Properties].

3 Click the [Configuration] tab.

4 Click the [Auto Configuration] button.

The settings are automatically configured based on the detected machine status.



If the machine is being used on an IPv6 network, you must configure the options manually as explained in "If automatic configuration fails" (page 16).

5 Configure the image of the machine.

An image of the machine is formed in the printer driver configuration window based on the options that are installed.

- (1) Select the options that are installed on the machine.
- (2) Click the [OK] button.



To cancel the image settings, click the [Cancel] button.

6 Click the [OK] button in the printer properties window.



If automatic configuration fails

- You can check the options that are installed and the tray settings by printing out the "All Custom Setting List" in the system settings of the machine. (However, note that "Input Tray Options" must be set to the number of trays on the machine.) Follow these steps to print out the "All Custom Setting List": Touch the [SYSTEM SETTINGS] key, touch the [List Print (User)] key, and then touch the [Print] key of "All Custom Setting List".
- Click the [Set Tray Status] button, the [Paper Type Name] button, and the [Set Tandem Print]* button to check the settings of each.
 Set Tray Status: The "Tray Settings" in "Paper Tray Settings" in system settings of the machine are reflected in the settings shown here. Specify the size and type of paper loaded in each tray.
 Paper Type Name: The "Paper Type Registration" settings in "Paper Tray Settings" in the system settings of the machine are reflected in the settings shown here. If a user type name (1 to 7) was changed, enter the changed name.
 Set Tandem Print*: Enter the IP address of the client machine.
 * "Set Tandem Print" can only be configured when the printer driver is installed using a "Custom installation" with "LPR Direct Print (Specify Address/Auto Search)" selected.

INSTALLING THE PRINTER STATUS MONITOR

Printer Status Monitor is a printer utility that allows general users to check the current status of the machine on their computer screen, such as whether or not the machine is ready to print. The Printer Status Monitor shows error information such as paper misfeeds, printer configuration information (whether or not a finisher is installed, etc.) as an image, the paper sizes that can be used, and the amount of paper remaining.



The Printer Status Monitor cannot be used in the following situations:

- When the machine is connected by a USB cable.
- When printing to the machine using the IPP function.

Supported operating systems: Windows Server 2003/Vista/Server 2008/7/8/10/Server 2012

Administrator's rights are required to install the software.

When the software selection screen appears in step 6 of "OPENING THE SOFTWARE SELECTION SCREEN (FOR ALL SOFTWARE)" (page 5), perform the steps below.

1 Click the [Printer Status Monitor] button.



2 Follow the on-screen instructions.

3 When the installation completed screen appears, click the [Finish] button.

To have the Printer Status Monitor start automatically when your computer is started, select the [Add this program to your Startup folder] checkbox ☒ and click the [Finish] button.


4 Click the [Close] button in the window of step 1.



After the installation, a message prompting you to restart your computer may appear. If this message appears, click the [Yes] button to restart your computer.

This completes the installation.

For the procedures for using the Printer Status Monitor, see the Help file. Follow these steps to view the Help file: Click the Windows [start] button, select [All Programs], select [SHARP Printer Status Monitor] and then select [Help]. In Windows 8/Server 2012, right-click and select the [All apps] icon in the Start Screen, select [SHARP Printer Status Monitor] and then select [Help].

In Windows 10, click the [start] button () and select the [All apps] icon, select [SHARP Printer Status Monitor] and then select [Help].

CHANGING THE PORT

When using the machine in a Windows environment, follow the steps below to change the port when you have changed the IP address of the machine. If the machine is being used on an IPv6 network, follow the steps 1 to 3 below and see "Changing to a Standard TCP/IP Port" (page 19) for the remaining steps of the procedure to change the port.

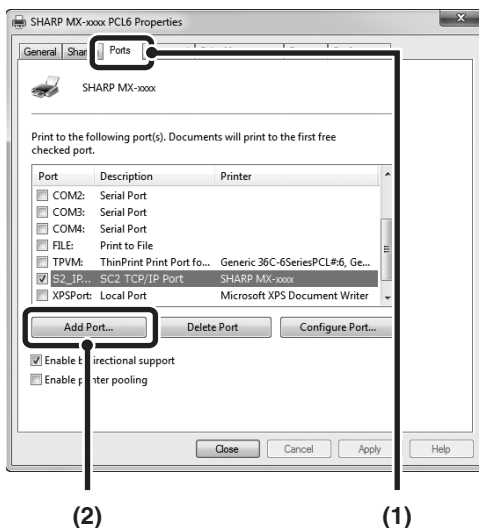
1 Click the [Start] button (), click [Control Panel], and then click [View devices and printers].

- In Windows Server 2003, click the [start] button and then click [Printers and Faxes].
- For Windows 8, right-click in the Start screen (or swipe upward from the bottom edge), then click the App Bar → [All apps] → [Control Panel] → [Hardware and Sound] → [Devices and Printers] → [Printers].
- In Windows 10, right-click the [Start] button (), then click [Control Panel] → [Hardware and Sound] → [Devices and Printers].
- In Windows Server 2012, click the [Control Panel] icon in the Start Screen → [Hardware] → [Devices and Printers] → [Printers].

2 Open the printer properties window.

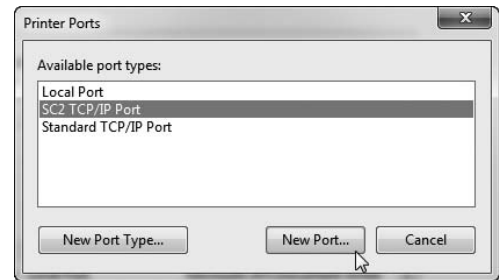
- (1) Right-click the printer driver icon of the machine.
- (2) Select [Printer Properties].

3 Adding or changing a port.



- (1) Click the [Ports] tab.
- (2) Click the [Add Port] button.

4 Select [SC2 TCP/IP Port] and then click the [New Port] button.

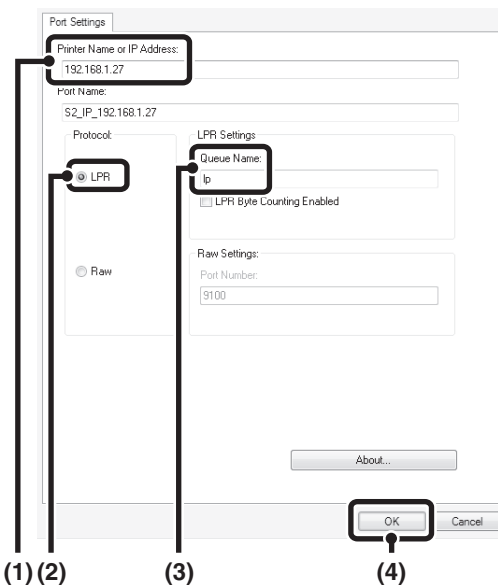


- The "SC2 TCP/IP Port" is added when the printer driver is installed using a "Custom installation" with "LPR Direct Print (Specify Address/Auto Search)" selected.
- If the printer driver is installed using a "Custom installation" with "IPP" selected, the [SC-Print2005 Port] is added. If you need to change the printer port when the machine is connected to an intranet or a wide area network (WAN) using the IPP function, select [SC-Print2005 Port], click the [New Port] button, and follow the on-screen instructions to create the port again.



To change to a previously created port such as USB port, select the desired port (USB001, etc.) from the list and click the [Apply] button. This changes the port.

5 Create the new port.



(1) Enter the machine's IP address.

☞ Checking the IP address of the machine (page 4)

(2) Make sure that [LPR] is selected.

(3) Make sure that [lp] is entered.

(4) Click the [OK] button.

6 Click the [Close] button in the screen of step 4.

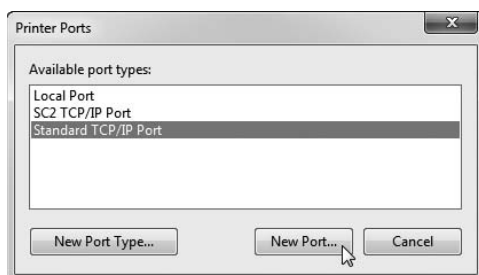
7 Make sure the created printer port is selected in the printer properties window and then click the [Apply] button.

► Changing to a Standard TCP/IP Port

If the machine is being used on an IPv6 network, change the port to a port created using the operating system's "Standard TCP/IP Port".

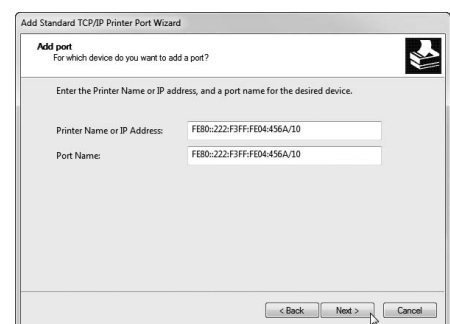
1 Follow steps 1 to 3 of "CHANGING THE PORT" (page 18).

2 Select [Standard TCP/IP Port] and then click the [New Port] button.

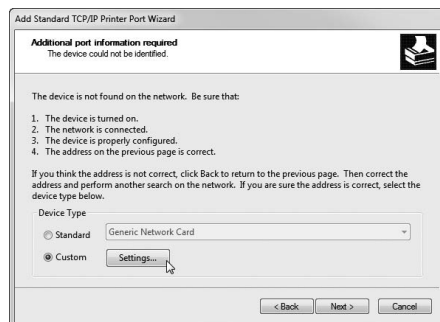


3 Click the [Next] button.

4 Enter the machine's IP address in [Printer Name or IP Address] and click the [Next] button.



- 5** Select [Custom] and click the [Settings] button.

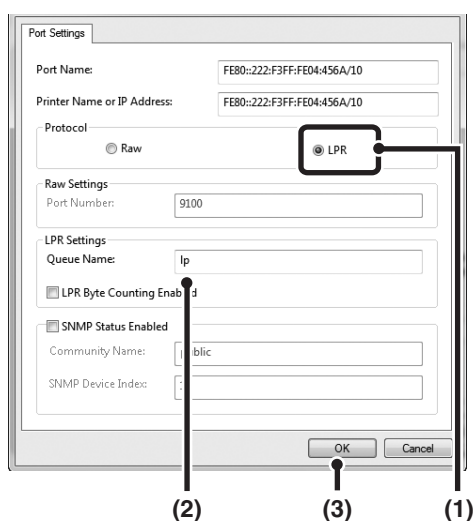


- 7** Click the [Next] button in the screen of step 5.

- 8** Click the [Finish] button.

- 9** Click the [Close] button in the screen of step 2.

- 6** Configure the port settings.



- (1)** Select [LPR].
- (2)** Enter [lp].
- (3)** Click the [OK] button.

When using a port created with "Standard TCP/IP Port"

When using a port created using "Standard TCP/IP Port", in the screen that appears after you click the [Configure Port] button in the screen of step 3, make sure the [SNMP Status Enabled] checkbox is not selected (☐). If the [SNMP Status Enabled] checkbox is selected (☒) , it may not be possible to print correctly.

3 TROUBLESHOOTING


WHEN INSTALLATION WAS NOT SUCCESSFUL

This section provides solutions to possible installation problems. See the following table of contents to locate the appropriate page for your question or problem.

- The software cannot be installed. 21
- The machine is not detected (when connected to a network). 21
- The plug and play screen does not appear (USB connection in Windows). 22
- The printer driver is not installed correctly by plug and play (USB connection in Windows). 22

Problem	Point to check	Solution
The software cannot be installed.	Is there sufficient free space on your hard drive?	Delete any unneeded files and applications to increase free space on your hard drive.
	Are you using an operating system that is not supported?	Make sure that the software can run on your operating system.
The machine is not detected (when connected to a network).	Is the IP address of the machine configured?	If the IP address of the machine is not configured, the machine will not be detected. Make sure that the IP address is configured correctly in "Network Settings" in the machine's system settings (administrator). → System Settings (Administrator) > "Network Settings"
	Is your computer connected to the same network as the machine?	If the machine and your computer are not connected to the same local area network, the machine will not be detected. If the two are connected to different sub-networks, click the [Specify condition] button and enter the machine's name (host name) or IP address to search for the machine.


WHEN INSTALLATION WAS NOT SUCCESSFUL

Problem	Point to check	Solution
The machine is not detected (when connected to a network).	Is the machine power on?	If the machine is powered off, it will not be detected. Switch on the main power switch and the [POWER] key (⏻) in that order. (In Windows, search again after powering on the machine.)
	Is your computer connected correctly to the machine?	Make sure that the cable is connected securely to the LAN connectors on your computer and the machine. Check the connections at the hub as well.  CONNECTING TO A NETWORK (page 4)
The plug and play screen does not appear (USB connection in Windows).	Is the machine power on?	When a USB cable is connected, make sure the power of the machine is "ON" and then connect a USB cable to the machine. When the machine is not powered on, switch on the main power switch and the [POWER] key (⏻) in that order.
	Can your computer use a USB connection?	Check your computer whether or not a USB interface can be used on the Device Manager in your computer. (For information on "Device Manager", see Help in Windows.) If USB can be used, your controller chipset type and root hub will appear in "Universal Serial Bus controllers" in "Device Manager". (The items that appear will vary depending on your computer.)  If these two items appear, USB should be useable. If a yellow exclamation point appears next to "Universal Serial Bus controllers" or the two items do not appear, refer to your computer manual or check with the manufacturer of your computer to enable USB and then reinstall the printer driver.
The printer driver is not installed correctly by plug and play (USB connection in Windows).	Did you connect the machine to your computer before installing the printer driver?	If the machine was connected to your computer with a USB cable before the printer driver was installed from the installer, check if information on the unsuccessful installation remains in "Device Manager". (For information on "Device Manager", see Help in Windows.) If the model name of the machine appears in "Other devices" in "Device Manager", delete it, restart your computer, and install the printer driver again. 

REMOVING THE SOFTWARE

To remove the printer driver or software installed using the installer, follow the steps below.

1 Click the [start] button and then click [Control Panel].

- For Windows 8, right-click in the Start screen (or swipe upward from the bottom edge), then click the App Bar → [All apps] → [Control Panel].
- For Windows 10, right-click the [Start] button () , then click [Control Panel].

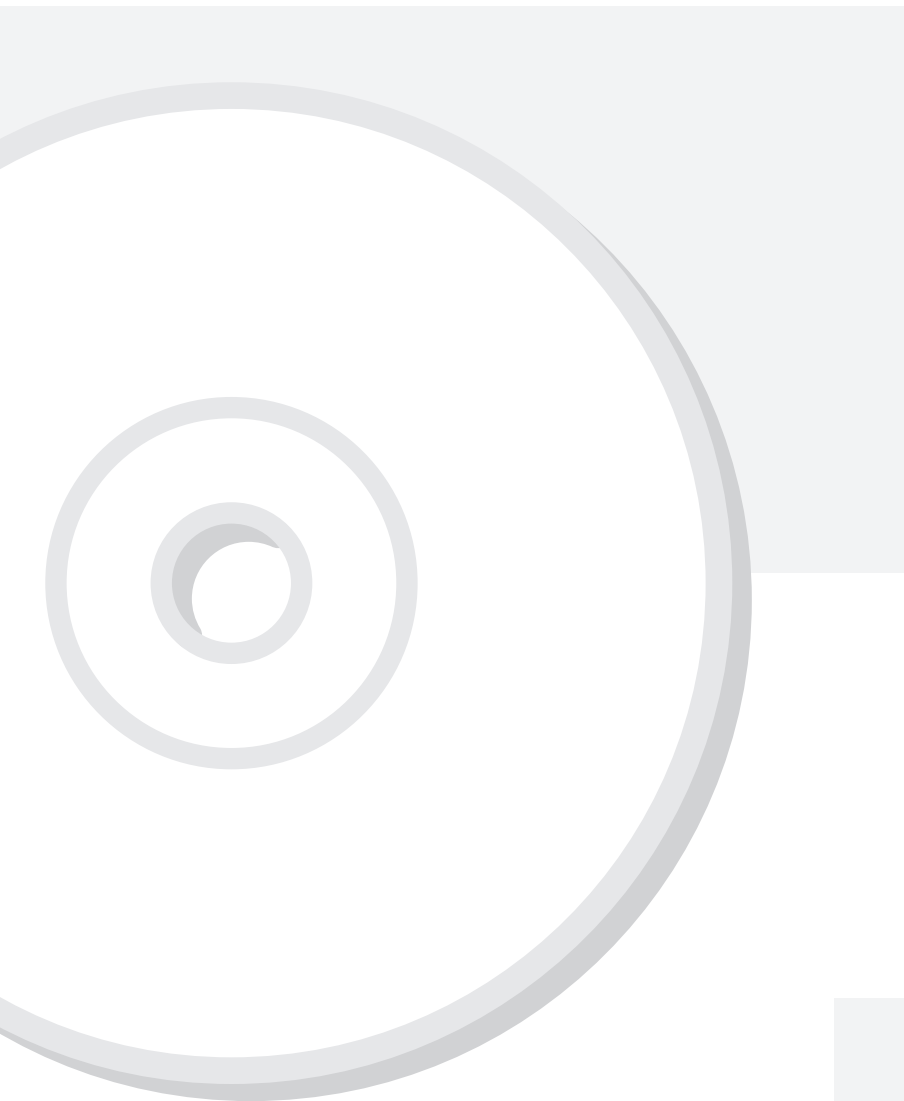
2 Click [Uninstall a program].

In Windows Server 2003, click [Add or Remove Programs].

3 Select the program or driver that you wish to delete.

For more information, see the manual for the operating system or Help.

4 Restart your computer.



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