SHARP PCL6 V4 Printer Driver for Universal Print Operation Manual

Ver.1.00

Content

Please note

- This manual explains how to install the SHARP PCL6 V4 Printer Driver for Universal Print (hereinafter referred to as the "V4 Printer Driver"). Please confirm the operation guide of each printer series about the basic print function.
- 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® 10 in Windows environments. The screens may vary depending on the version of the operating system.

Warning

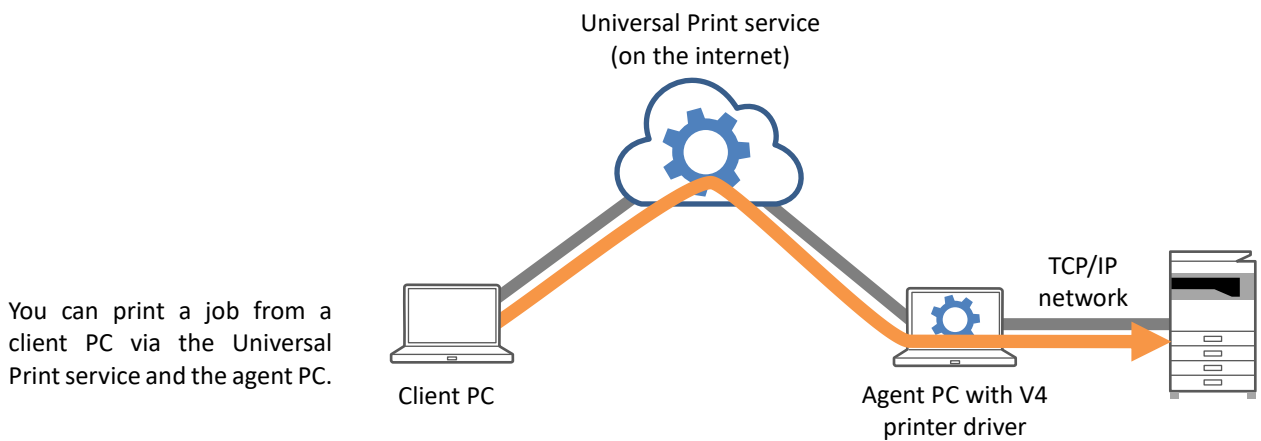- All information in this manual is subject to change without notice.

V4 PRINTER DRIVER

This document describes how to install the V4 Printer Driver on an agent PC. Please refer to the following URL for how to set up an "Universal Print connector" and how to add a printer to a client PC.

https://docs.microsoft.com/universal-print/fundamentals/universal-print-getting-started

If you use this driver for purposes other than Universal Print, please contact your dealer.

SYSTEM ENVIRONMENT

Universal Print service
(on the internet)

TCP/IP
network

You can print a job from a client PC via the Universal Print service and the agent PC.

Client PC

Agent PC with V4
printer driver

Agent PC

The IT admin installs the V4 Printer Driver and the Universal Print connector to the agent PC.

Client PC

Each user (or IT admin) adds the printer to the PC.

OPERATIONAL ENVIRONMENT

OS compatible*	Windows 10 (64bit), Windows Server 2019 (64bit)
Emulation	PCL6
Driver UI Language	English, Japanese, German, French, Spanish, Italian, Dutch, Swedish, Norwegian, Finnish, Danish, Portuguese, Simplified Chinese, Traditional Chinese
Interface	10BASE-T, 100BASE-TX, 1000BASE-T
Internet protocol	IPv4, IPv6
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 Itanium is not supported.
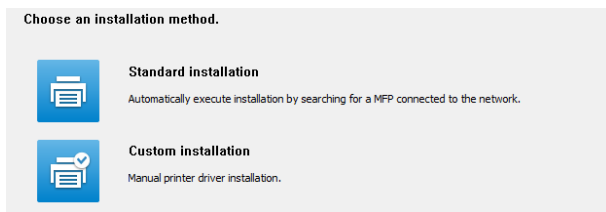
INSTALLATION

STANDARD INSTALLATION

1 **Extract the installer that you obtained, and double-click the [Setup] icon.**
If you have already installed a similar type of driver, an install type selection screen will appear.
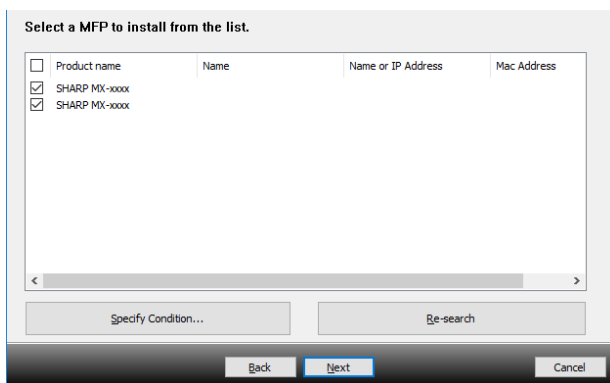- To install the printer driver, click [Add a new Sharp printer].
- To update a previously installed driver, click [Select Sharp Printer to Update].

2 **Click the [Standard installation] 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, or selecting the search period.
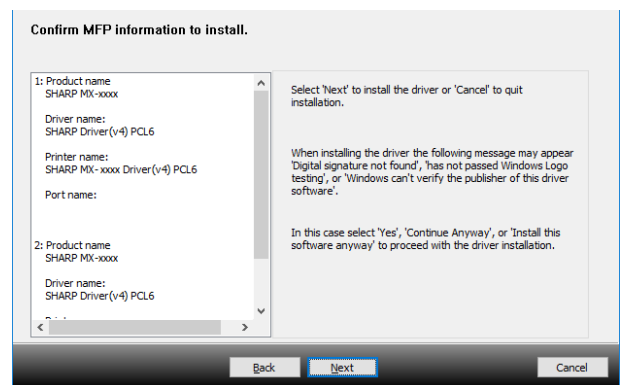

3 **Check the contents and then click the [Next] button.**

- 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.

4 **Follow the on-screen instructions.**
Read the message in the window that appears and click the [Next] button. Installation begins.

- If a warning window regarding security is displayed, do not forget to click [Install].

5 **When the installation completed screen appears, click the [Finish] button.**
- To set the installed driver as the default printer, select the name of the machine from "Set as default printer". If you don't want to change the default printer, select [Don't change].
- To print a test page, click [Print test page].

This completes the installation.
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.

CUSTOM INSTALLATION
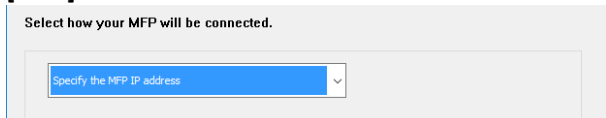
INSTALLATION BY SPECIFYING THE MACHINE ADDRESS

1 **Extract the installer that you obtained, and double-click the [Setup] icon.**
If you have already installed a similar type of driver, an install type selection screen will appear.
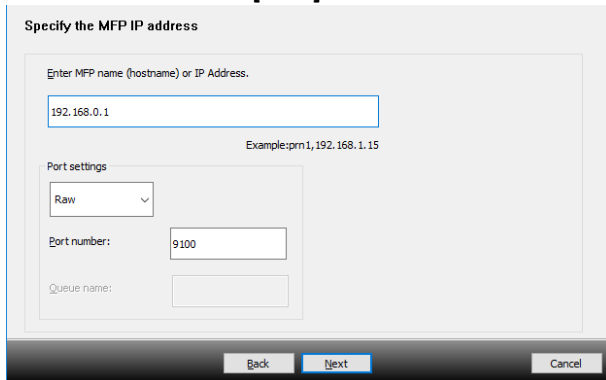- To install the printer driver, click [Add a new Sharp printer].
- To update a previously installed driver, click [Select Sharp Printer to Update].

2 **Click the [Custom installation] button.**

3 **When you are asked how the printer is connected, select [Specify the MFP IP address] and click the [Next] button.**
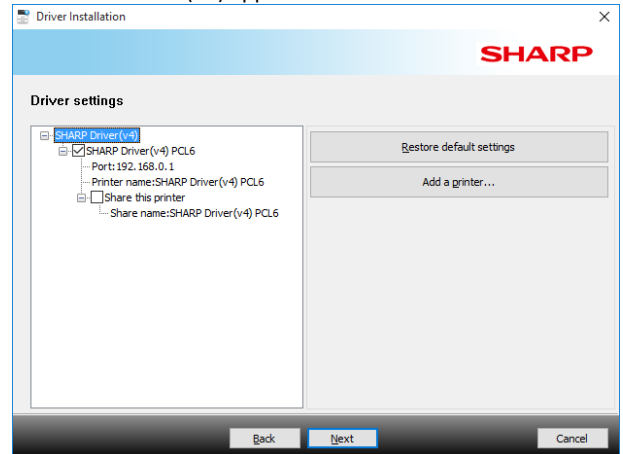
Select how your MFP will be connected.

Specify the MFP IP address

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

Specify the MFP IP address

Enter MFP name (hostname) or IP Address.

192.168.0.1

Example:prn1,192.168.1.15

Port settings

Raw

Port number: 9100

Queue name:

Back   Next   Cancel

- Configure port settings if needed. (Normally no changes are needed.)

5 **When the printer driver selection window appears, select the printer driver to be installed and click the [Next] button.**
Click the checkbox of the printer driver to be installed so that a checkmark (☑) appears.

Driver Installation

SHARP

Driver settings

SHARP Driver(v4)
  ☑ SHARP Driver(v4) PCL6
    Port:192.168.0.1
    Printer name:SHARP Driver(v4) PCL6
  ☐ Share this printer
    Share name:SHARP Driver(v4) PCL6

Restore default settings

Add a printer...

Back   Next   Cancel

- You can click [Printer name] to change the printer name.
- By selecting the model name from the list and clicking [Add a printer], you can copy the driver settings and install multiple drivers for the same model, each with a different name.
- To share the printer, select the [Share this printer] checkbox ☑.

6 **Follow the instructions on the screen and proceed with installation.**
- Check the content of the displayed screen. Click the [Next] button to proceed with installation.

If a warning window regarding security is displayed, do not forget to click [Install].

7 **Click the [Finish] button.**
- To set the installed driver as the default printer, select the name of the machine from "Set as default printer". If you don't want to change the default printer, select [Don't change].
- To print a test page, click [Print test page].

This completes the installation.
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.
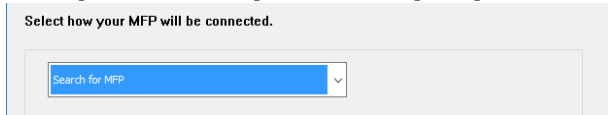
INSTALLATION BY SEARCHING FOR THE MACHINE

1 **Extract the installer that you obtained, and double-click the [Setup] icon.**

If you have already installed a similar type of driver, an install type selection screen will appear.
- To install the printer driver, click [Add a new Sharp printer].
- To update a previously installed driver, click [Select Sharp Printer to Update].
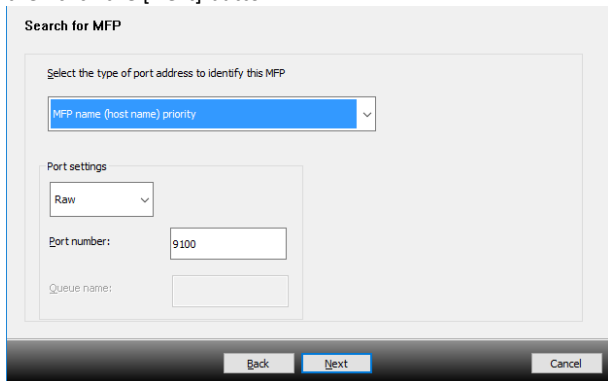
2 **Click the [Custom installation] button.**

3 **When you are asked how the printer is connected, select [Search for MFP] and click the [Next] button.**

Select how your MFP will be connected.

Search for MFP

4 **Select the search method.**

Select the name of this machine (host name) or IP address, then click the [Next] button.

Search for MFP

Select the type of port address to identify this MFP

MFP name (host name) priority

Port settings

Raw

Port number: 9100
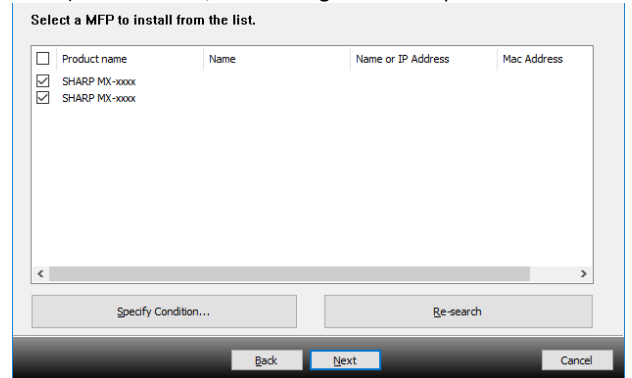
Queue name:

Back   Next   Cancel

· Configure port settings if needed. (Normally no changes are needed.)

5 **When the model selection window appears, select the model name of your machine and click the [Next] 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, or selecting the search period.

Select a MFP to install from the list.

Product name	Name	Name or IP Address	Mac Address
SHARP MX-xxxx			
SHARP MX-xxxx			

Specify Condition...   Re-search

Back   Next   Cancel

6 **Follow the instructions on the screen and proceed with installation.**

For detailed procedures, refer to Step 4 onwards of "INSTALLATION BY SPECIFYING THE MACHINE ADDRESS (Page.4)".

This completes the installation.
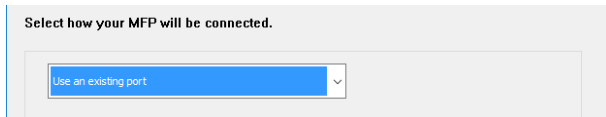
INSTALL THE DRIVER USING AN EXISTING PORT

1 **Extract the installer that you obtained, and double-click the [Setup] icon.**

If you have already installed a similar type of driver, an install type selection screen will appear.
- To install the printer driver, click [Add a new Sharp printer].
- To update a previously installed driver, click [Select Sharp Printer to Update].
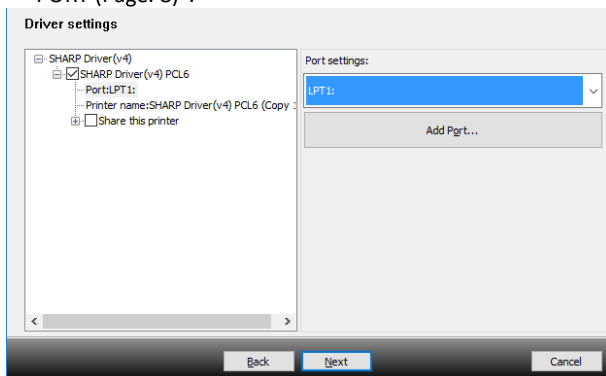
2 **Click the [Custom installation] button.**

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

4 **Select the port.**
- You can click a [Port] that you want to change in the list and select the desired port.
- To create a new port, click [Add Port]. For detailed procedures, refer to Step 4 onwards of "CHANGING THE PORT (Page. 8)".

5 **Follow the instructions on the screen and proceed with installation.**

For detailed procedures, refer to Step 5 onwards of "INSTALLATION BY SPECIFYING THE MACHINE ADDRESS (Page.4)".

This completes the installation.

ENABLE OPTIONS AND PERIPHERALS

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

2   **Open the printer properties window.**
(1) Right-click the printer driver icon of the machine.
(2) Select [Printer properties].

3   **Click the [Device Settings] tab.**

4   **Set [Install Options] as follows.**
- Color Mode: Select according to your MFP's capability
- Staple Module: Select according to your MFP's capability
- Punch Module: Does not work in the Universal Print environment
- Printing Policy: Do not change the value of each item to ON

5   **Click the [OK] button in the printer properties window.**

CHANGING THE PORT

1 **Click the [Start] button, click [Control Panel], and then click [Devices and Printers] (or [View devices and 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.

To change to an existing port, select the port from the list and click the [Apply] button.

4 **Select the port type and click the [New Port] button.**
· **Standard TCP/IP Port**
This is the standard printer port provided by the operating system.
(1) Click the [Next] button.
(2) Enter the machine's IP address in [Printer Name or IP Address] and click the [Next] button.
(3) Click the [Finish] button.

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

6 **Click the [Apply] button in the screen of step 3.**

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.

REMOVING THE DRIVER

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

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

2   Click [Programs and Features] (or [Uninstall a program]).

3   Select [SHARP Driver Uninstall Tool] and click [Uninstall].

4   Select the printer driver that you want to delete from the list, and click the [Remove] button.

5   Click the [Close] button.

6   Select the other software that you want to delete from the list, and delete.

7   Restart your computer.

PRINTING WHEN THE USER AUTHENTICATION FUNCTION IS ENABLED

The MFP treats print jobs via the Universal Printer connector as "jobs by Invalid User".

To control printing by users whose user information is not stored in the machine:
In "Settings (administrator)", set [User Control] > [Default Settings] > [Disable Printing by Invalid User].

TRADEMARK ACKNOWLEDGMENT

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