SHARP®

DIGITAL FULL COLOUR MULTIFUNCTIONAL SYSTEM

Software Setup Guide

Keep this manual close at hand for reference whenever needed.

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 or scanner for a computer.

This manual also explains how to install the printer drivers and software that are used when the expansion kits are installed, and how to install the scanner driver.

If the software is not installed correctly or you need to remove the software, see "INSTALLATION" in the separate "Troubleshooting" manual.

Please note

- The explanations in this manual assume that you have a working knowledge of your Windows or Macintosh 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® XP in Windows® environments, and Mac OS X v10.3.9 in Macintosh environments. The screens may vary depending on the version of the operating system.
- Wherever "MX-xxxx" appears in this manual, please substitute your model name for "xxxx".
- This manual contains references to the fax function. However, please note that the fax function is not available in some countries and regions.
- 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 authorised 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 authorised 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.

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

The peripheral devices are generally optional, however, some models include certain peripheral devices as standard equipment.

The explanations in this manual assume that an automatic document feeder, right tray, and stand/2 x 500 sheet paper drawer are installed.

To further explain certain functions and uses, some explanations assume that additional peripheral devices 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.

TABLE OF CONTENTS

1 BEFORE INSTALLING THE SOFTWARE

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

CD-ROMS AND SOFTWARE

The software that can be used with the machine is on the CD-ROMs that accompany the machine and the expansion kits. Before installing the software, make sure that your computer and the machine meet the system requirements described in "VERIFYING SYSTEM REQUIREMENTS" (page 5).

SOFTWARE CD-ROM

The "Software CD-ROM" contains the printer driver and other software.
The "Software CD-ROM" that is provided will vary depending on your machine model and whether or not expansion kits are installed.

▶ "Software CD-ROM" that accompanies the MX-2300N/MX-2700N or the printer expansion kit (for Windows/Macintosh)

The 2-disc "Software CD-ROM" is provided with the MX-2300N/MX-2700N, which are equipped standard with the PCL printer function. The 2-disc "Software CD-ROM" is also provided with the printer expansion kit, which adds the PCL printer function to the MX-2300G/MX-2700G.

Disc 1

Software for Windows

- **Printer driver**

  These allow the machine to be used as a printer.

  - **PCL6 and PCL5c printer driver**

    The machine supports the Hewlett-Packard PCL6 and PCL5c printer control languages. It is recommended that you use the PCL6 printer driver. If you have a problem printing from older software using the PCL6 printer driver, use the PCL5c printer driver.

  - **PS printer driver**

    The PS printer driver supports the PostScript 3 page description language developed by Adobe Systems Incorporated.

  - **PPD driver**

    The PPD driver enables the machine to use the standard Windows PS printer driver.

    ☞ WHEN THE MACHINE IS CONNECTED TO A NETWORK (page 8)

    ☞ WHEN THE MACHINE WILL BE CONNECTED WITH A USB CABLE (page 15)

- **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 26)

Disc 2

Software for Windows

• **PC-Fax driver**

This enables you to send a file from your computer as a fax using the same procedure as when printing the file. (When the fax option is installed.)

Even if the fax function is not installed, the PC-Fax driver can be updated using the CD-ROM in the Internet fax expansion kit to enable you to send a file from your computer as an Internet fax in the same way as you print a file.

☞ INSTALLING THE PRINTER DRIVER / PC-FAX DRIVER (page 8)

The following software can be used only when the machine is connected to a network.

• **Scanner driver (TWAIN driver)**

This allows you to use the scanner function of the machine from a TWAIN-compliant software application.

☞ INSTALLING THE SCANNER DRIVER (page 28)

• **Printer Administration Utility**

This allows the administrator to monitor the machine and configure machine settings from a computer. To install and use the Printer Administration Utility, see the Readme file and the manual in PDF format on the "Software CD-ROM" (Disc 2). The Readme file and manual are in the following folder on the CD-ROM. (Substitute the letter of your CD-ROM drive for "R" in the following path.)

R:\Sadmin\Documents\English

Software for Macintosh

• **PPD file**

This is the printer description file which enables the machine to be used as a PostScript 3 compatible printer. The PS3 expansion kit is required to use the machine in a Macintosh environment.

☞ MAC OS X (v10.3.3 TO 10.4) (page 30)

☞ MAC OS X (v10.2.8) (page 33)

☞ MAC OS X (v10.1.5) (page 36)

☞ MAC OS 9.0 TO 9.2.2 (page 38)

In a Macintosh environment, the PS3 expansion kit can be installed to use the machine as a network printer. The scanner driver and PC-Fax driver cannot be used on the Macintosh.

▶ "Software CD-ROM" that accompanies the MX-2300G/MX-2700G (for Windows)

• **SPLC-c printer driver**

This is a SHARP proprietary printer driver.

(SPLC is an acronym for "SHARP Printer Language with Compression".)

☞ WHEN THE MACHINE IS CONNECTED TO A NETWORK (page 8)

☞ WHEN THE MACHINE WILL BE CONNECTED WITH A USB CABLE (page 15)

• **PC-Fax driver**

This enables you to send a file from your computer as a fax using the same procedure as when printing the file. (When the fax option is installed.)

Even if the fax function is not installed, the PC-Fax driver can be updated using the CD-ROM in the Internet fax expansion kit to enable you to send a file from your computer as an Internet fax in the same way as you print a file.

☞ INSTALLING THE PRINTER DRIVER / PC-FAX DRIVER (page 8)

The following software can be used only when the machine is connected to a network.

- **Printer Status Monitor**
  This allows you to monitor the status of the machine on your computer screen.
  ☞ INSTALLING THE PRINTER STATUS MONITOR (page 26)
- **Printer Administration Utility**
  This allows the administrator to monitor the machine and configure machine settings from a computer. To install and use the Printer Administration Utility, see the Readme file and the manual in PDF format on the "Software CD-ROM". The Readme file and manual are in the following folder on the CD-ROM drive for "R" in the following path.)
  R:\Sadmin\Documents\English
- **Scanner driver (TWAIN driver)**
  This allows you to use the scanner function of the machine from a TWAIN-compliant software application. (To use the scanner driver, the network scanner expansion kit and 256 MB expansion memory board must be installed.)
  ☞ INSTALLING THE SCANNER DRIVER (page 28)

> If two versions of the "Software CD-ROM" are provided, use the 2-disc "Software CD-ROM" that contains the PCL printer driver.

OTHER CD-ROMS

▶ "PRINTER UTILITIES" CD-ROM that accompanies the PS3 expansion kit (for Windows/Macintosh)

This contains the display fonts that are used with the PS printer driver.
(Install the PS printer driver and Macintosh PPD file from the "Software CD-ROM".)
☞ INSTALLING THE PS DISPLAY FONTS (page 40)

▶ "PRINTER UTILITIES" CD-ROM that accompanies the Internet fax expansion kit (for Windows)

This CD-ROM is used to update the PC-Fax driver on the "Software CD-ROM" so that it can be used to send Internet faxes (PC-I-Fax function).
If you wish to use the PC-I-Fax function, first install the PC-Fax driver from the "Software CD-ROM" and then run the installer on this CD-ROM. If the PC-Fax driver is already installed, run only the installer. (There is no need to reinstall the PC-Fax driver.)
☞ INSTALLING THE PRINTER DRIVER / PC-FAX DRIVER (page 8)

▶ "Sharpdesk/Network Scanner Utilities" CD-ROM (for Windows)

This contains software that helps you get the most out of the images that you scan on the machine. The software includes "Sharpdesk", a desktop document management application that enables integrated management of scanned images and files created using a variety of applications.
To use the "Scan to Desktop" scanner function, the "Network Scanner Tool" must be installed from the CD-ROM. To install and use the software on the CD-ROM, see the accompanying "Sharpdesk Installation Guide".

* If your model is not equipped as standard with the scanner function, the "Sharpdesk/Network Scanner Utilities" CD-ROM and installation guide are included in the network scanner expansion kit.

VERIFYING SYSTEM REQUIREMENTS

HARDWARE AND SOFTWARE REQUIREMENTS

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

	Windows	Macintosh[*5]
Operating system[*1]	Windows 98, Windows Me, Windows NT Workstation 4.0 (Service Pack 5 or later)[*2], Windows 2000 Professional, Windows XP Professional, Windows XP Home Edition, Windows 2000 Server, Windows Server 2003	Mac OS 9.0 to 9.2.2, Mac OS X v10.1.5, Mac OS X v10.2.8, Mac OS X v10.3.3 to 10.4
Computer type	IBM PC/AT compatible computer Equipped with a 10Base-T/100Base-TX LAN board or equipped standard with a USB 2.0[*3]/1.1[*4] port.	An environment in which any of the operating systems listed above can fully operate.
Display	800 x 600 dots (SVGA), 256 colours (or higher)	
Other hardware requirements	An environment that allows any of the above operating systems to fully operate.	

*1 Printing is not possible in MS-DOS mode.
*2 USB is not supported. The SPLC-c printer driver, PC-Fax driver, and scanner driver on the "Software CD-ROM" that accompanies the MX-2300G/MX-2700G cannot be installed. (The scanner driver cannot be installed regardless of the "Software CD-ROM" type.)
*3 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 2000 Professional/XP that Microsoft provides through "Windows Update" is installed.
*4 Compatible with models preinstalled with Windows 98, Windows Me, Windows 2000 Professional, Windows XP Professional, Windows XP Home Edition, Windows 2000 Server, or Windows Server 2003, and which are equipped standard with a USB interface.
*5 Cannot be used when the machine is connected with a USB cable. The PC-Fax driver and scanner driver cannot be used.

Administrator's rights are required to install the software in Windows NT 4.0/2000/XP/Server 2003.

DRIVER REQUIREMENTS

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

PCL6 printer driver, PCL5c printer driver	If your model is equipped standard with the SPLC-c printer function, the printer expansion kit and 256 MB expansion memory board are required.
PS printer driver*1, PPD driver*1	The PS3 expansion kit is required.
PC-Fax driver*2	This can only be used when the facsimile expansion kit is installed. When the Internet fax expansion kit is installed, the PC-Fax driver can be updated using the "PRINTER UTILITIES" CD-ROM to enable the driver to be used as a PC-I-Fax driver. (In this case, the driver can be used without the facsimile expansion kit.)
Scanner driver*3	This can only be used when the machine is connected to a network. (This cannot be used when the machine is connected by a USB cable.)
Macintosh PPD file*1	This can be used when the PS3 expansion kit is installed and the machine is connected to a network. (This cannot be used when the machine is connected by a USB cable.)

*1 If your model is equipped as standard with the SPLC-c printer function, the printer expansion kit and 256 MB expansion memory board are required.
*2 To use the PC-Fax driver, Internet Explorer 4.0 or later must be installed on your computer.
*3 If your model is not equipped with the scanner function, the network scanner expansion kit and 256 MB expansion memory board are required.

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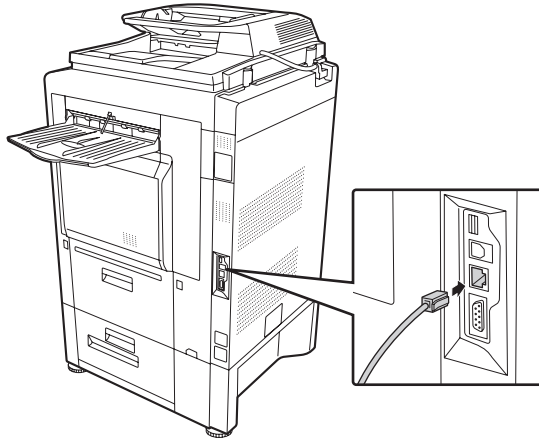
After connecting the machine to a network, be sure to configure the IP address and other network settings before installing the software. (The factory default setting for the IP address is to receive the IP address automatically when the machine is used in a DHCP environment.)
Network settings can be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

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 USB interface on the machine cannot be used in a Macintosh environment.)
The machine and computer should be connected while the printer driver is being installed. 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 15).

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.
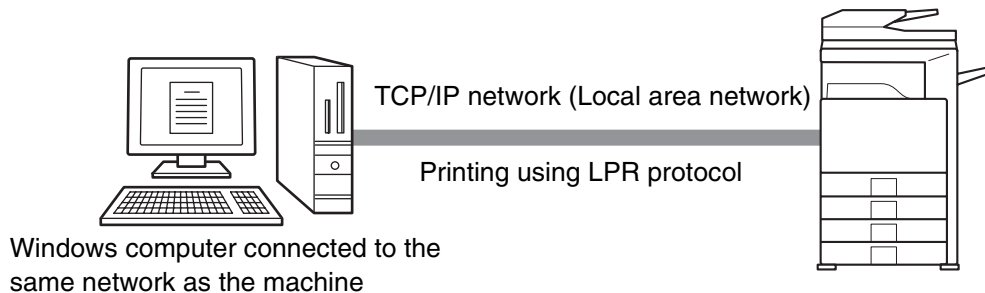
INSTALLING THE PRINTER DRIVER / PC-FAX DRIVER

To install the printer driver or the PC-Fax 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 15)

WHEN THE MACHINE IS CONNECTED TO A NETWORK

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

TCP/IP network (Local area network)

Printing using LPR protocol

Windows computer connected to the
same network as the machine

Supported operating systems: Windows 98/Me/NT 4.0*/2000*/XP*/Server 2003*
* Administrator's rights are required to install the software.

- The SPLC-c printer driver and PC-Fax driver on the "Software CD-ROM" that accompanies the MX-2300G/MX-2700G cannot be used on Windows NT 4.0.
- The PS3 expansion kit is required to use the PS printer driver or the PPD driver.
- To install the PPD driver when Windows 98/Me/NT 4.0 is used, see "USING THE STANDARD WINDOWS PS PRINTER DRIVER (Windows 98/Me/NT 4.0)" (page 22) and install the driver using the Add Printer Wizard.
- To use the machine as a network printer in Windows NT 4.0, "TCP/IP Protocol" must be installed on your computer. If this is not installed, see Windows NT 4.0 Help to install "TCP/IP Protocol".
- **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 12) and install the printer driver or the PC-Fax driver.**
- The installation procedure in this section is for both the printer driver and the PC-Fax driver, although the explanations are centred on the printer driver.

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

If you have the 2-disc "Software CD-ROM", insert "Disc 1" to install the printer driver, or "Disc 2" to install the PC-Fax driver.

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

In Windows 98/Me/NT 4.0/2000, double-click [My Computer] and then double-click the [CD-ROM] icon.

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

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 **Click the [Printer Driver] button.**

- To install the PC-Fax driver, click the [PC-Fax Driver] button. (If you are using the "Software CD-ROM" that accompanies the MX-2300G/MX-2700G, click the [Utility Software] button and then click the [PC-Fax Driver] button.)
- To view information on the software, click the [Display Readme] button.

7 **Click the [Next] button.**

8 **Click the [Standard installation] button.**

- -
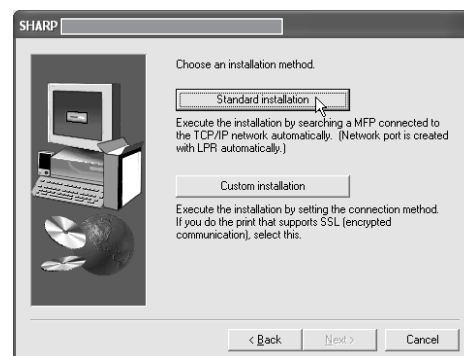
When [Custom installation] is selected, you can change any of the items below. When [Standard installation] is selected, the installation will take place as indicated below.
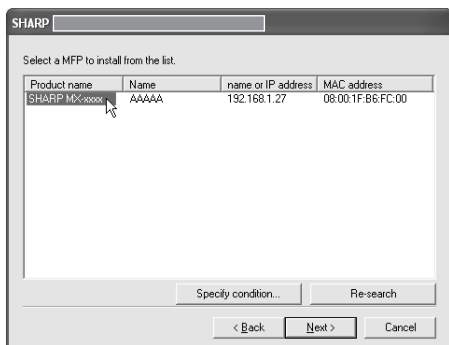
- Machine connection method: LPR Direct Print
- Set as default printer: Yes (excluding the PC-Fax driver)
- Printer driver name: Cannot be changed
- PCL printer display fonts:
      Installed (excluding models that require installation of the printer expansion kit)

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

- IPP: page 12   • Shared printer: page 20
- Connected to this computer: page 15

9

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

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Select a MFP to install from the list.

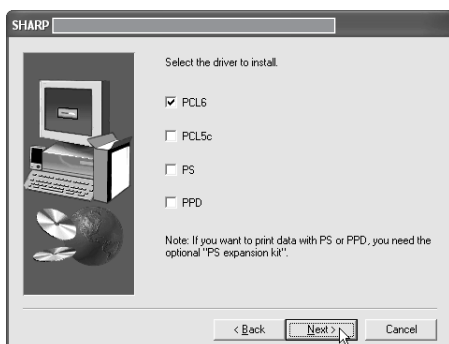| Product name	Name	name or IP address	MAC address
SHARP MX-xxxxx	AAAAA	192.168.1.27	08:00:1F:B6:FC:00

Specify condition...   Re-search

< Back   Next >   Cancel

- 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.

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

11 **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.

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Select the driver to install.

- ☑ PCL6
- ☐ PCL5c
- ☐ PS
- ☐ PPD

Note: If you want to print data with PS or PPD, you need the optional "PS expansion kit".

< Back   Next >   Cancel

- When the SPLC-c printer driver or the PC-Fax driver is being installed, this screen does not appear. Go to the next step.
- The PS3 expansion kit is required to use the PS printer driver.
- The [PPD] checkbox only appears if you are using Windows 2000/XP/Server 2003.

12 **When you are asked whether or not you want the printer to be your default printer, make a selection 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].

If you clicked the [Custom installation] button in step 8, the following windows will appear.

- **Printer name window**
  If you wish to change the printer name, enter the desired name and click the [Next] button.
- **Window confirming installation of the display fonts**
  To install the display fonts for the PCL printer driver, select [Yes] and click the [Next] button.
  - When the SPLC-c printer driver or the PC-Fax driver is being installed, this screen does not appear. Go to the next step.
  - If you are not installing the PCL printer driver (you are installing the PS printer driver or the PPD driver), select [No] and click the [Next] button.

13 **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 2000/XP/Server 2003
If a warning message regarding the Windows logo test or digital signature appears, be sure to click the [Continue Anyway] or [Yes] button.

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

10

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

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 23) to configure the printer driver settings.
- If you installed the PS printer driver or the PPD driver, the PS display fonts can be installed from the "PRINTER UTILITIES" CD-ROM that accompanies the PS3 expansion kit. See "INSTALLING THE PS DISPLAY FONTS" (page 40).
- If you are using the machine as a print server (with the machine configured as a shared printer), see "USING THE MACHINE AS A SHARED PRINTER" (page 20) to install the printer driver on each of the client computers.

▶ 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 the System Settings Guide.

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

If you have the 2-disc "Software CD-ROM", insert "Disc 1" to install the printer driver, or "Disc 2" to install the PC-Fax driver.

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

In Windows 98/Me/NT 4.0/2000, double-click [My Computer] and then double-click the [CD-ROM] icon.

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

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 **Click the [Printer Driver] button.**

- To install the PC-Fax driver, click the [PC-Fax Driver] button. (If you are using the "Software CD-ROM" that accompanies the MX-2300G/MX-2700G, click the [Utility Software] button and then click the [PC-Fax Driver] button.)
- To view information on the software, click the [Display Readme] button.

7 **Click the [Next] button.**

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

12

9 When you are asked how the printer is connected, select [IPP] and click the [Next] button.

10 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].

11 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.

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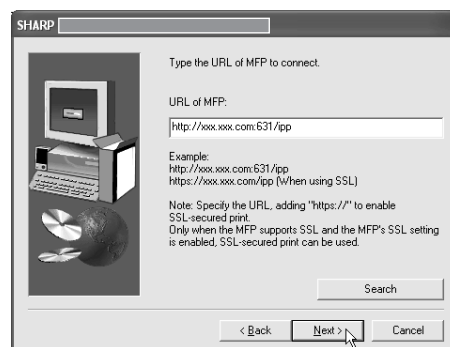
If your computer and the machine are connected to the same local area network, you can click the [Search] button to search for the machine. The machine's URL will appear. Select the URL and click the [OK] button. You will return to the above screen and the machine's URL will be automatically entered.

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

13

13 **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.
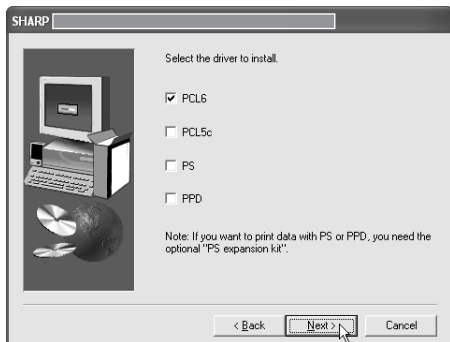
- When the SPLC-c printer driver or the PC-Fax driver is being installed, this screen does not appear. Go to the next step.
- The PS3 expansion kit is required to use the PS printer driver.
- The [PPD] checkbox only appears if you are using Windows 2000/XP/Server 2003.

14 **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].

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

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

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

- When the SPLC-c printer driver or the PC-Fax driver is being installed, this screen does not appear. Go to the next step.
- If you are not installing the PCL printer driver (you are installing the PS printer driver or the PPD driver), select [No] and click the [Next] button.

17 **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 2000/XP/Server 2003
If a warning message regarding the Windows logo test or digital signature appears, be sure to click the [Continue Anyway] or [Yes] button.

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

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

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 23) to configure the printer driver settings.
- If you installed the PS printer driver or the PPD driver, the PS display fonts can be installed from the "PRINTER UTILITIES" CD-ROM that accompanies the PS3 expansion kit. See "INSTALLING THE PS DISPLAY FONTS" (page 40).

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WHEN THE MACHINE WILL BE CONNECTED WITH A USB CABLE

Supported operating systems: Windows 98/Me/2000*/XP*/Server 2003*
* Administrator's rights are required to install the software.

> • The PS3 expansion kit is required to use the PS printer driver or the PPD driver.
> • To install the PPD driver when Windows 98/Me is used, see "USING THE STANDARD WINDOWS PS PRINTER DRIVER (Windows 98/Me/NT 4.0)" (page 22) and install the driver using the Add Printer Wizard.
> • To use the port created when the printer driver is installed for fax data transfer, install the printer driver first and then install the PC-Fax driver.

1 **Make sure that a USB cable is <u>not connected</u> 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.

- -

> The cable will be connected in step 14.

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

If you have the 2-disc "Software CD-ROM", insert "Disc 1".

3 **Click the [start] button, click [My Computer] ( ), and then double-click the [CD-ROM] icon ( ).**

In Windows 98/Me/2000, double-click [My Computer] and then double-click the [CD-ROM] icon.

4 **Double-click the [Setup] icon ( ).**

5 **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.

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

7 **Click the [Printer Driver] button.**

To view information on the software, click the [Display Readme] button.

8 **Click the [Next] button.**

9 **Click the [Custom installation] button.**
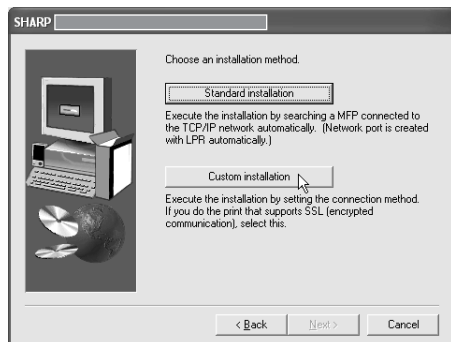
10 **When you are asked how the printer is connected, select [Connected to this computer] and click the [Next] button.**
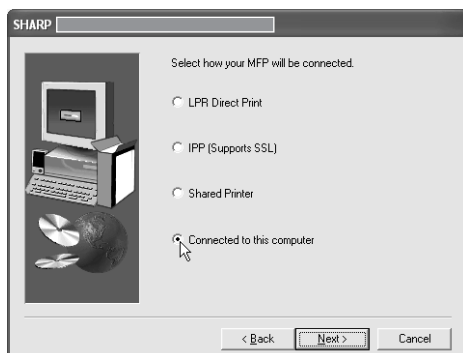
11 **When you are asked if you wish to install the display fonts, select an answer and click the [Next] button.**

When the SPLC-c printer driver is being installed, this screen does not appear. Go to the next step.

12 **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 2000/XP/Server 2003
If a warning message regarding the Windows logo test or digital signature appears, be sure to click the [Continue Anyway] or [Yes] button.

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

When a message appears prompting you to connect 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.

16

14 **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.
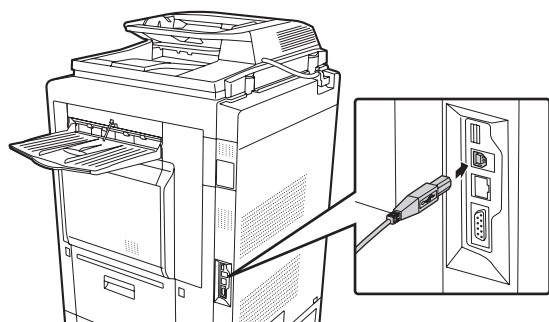
(3) Connect the other end of the cable to the USB connector (A type) on your computer.

The machine is found and a Plug and Play window appears.

15 **Installation of the PCL6 or SPLC-c 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 2000/XP/Server 2003
If a warning message regarding the Windows logo test or digital signature appears, be sure to click the [Continue Anyway] or [Yes] button.

This completes the installation.
• After installing the printer driver, see "CONFIGURING THE PRINTER DRIVER FOR THE OPTIONS INSTALLED ON THE MACHINE" (page 23) to configure the printer driver settings.
• If you are using the machine as a print server (with the machine configured as a shared printer), see "USING THE MACHINE AS A SHARED PRINTER" (page 20) to install the printer driver on each of the client computers.

When installing the PCL5c printer driver, PS printer driver, PPD driver, or PC-Fax driver
Installation is possible even after the USB cable has been connected.

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

If you have the 2-disc "Software CD-ROM", insert "Disc 1" to install the printer driver, or "Disc 2" to install the PC-Fax driver.

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

In Windows 98/Me/2000, double-click [My Computer] and then double-click the [CD-ROM] icon.

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

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.

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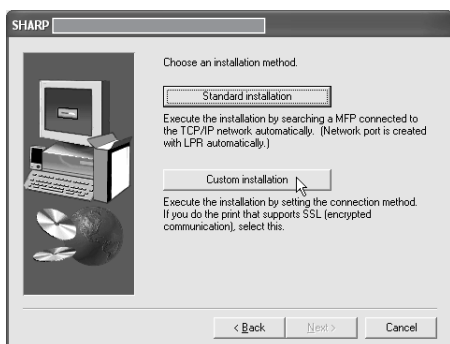**5** **Read the message in the "Welcome" window and then click the [Next] button.**

6 **Click the [Printer Driver] button.**

- To install the PC-Fax driver, click the [PC-Fax Driver] button. (If you are using the "Software CD-ROM" that accompanies the MX-2300G/MX-2700G, click the [Utility Software] button and then click the [PC-Fax Driver] button.)
- To view information on the software, click the [Display Readme] button.
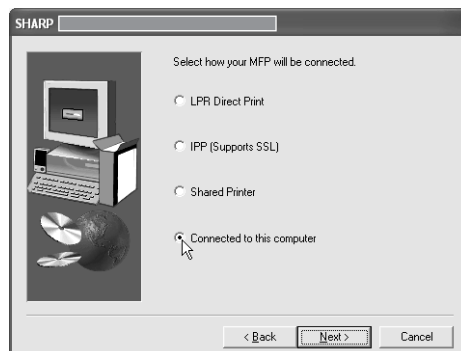

7 **Click the [Next] button.**

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

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

10 **When the port selection window appears, select the port that the PCL6 or SPLC-c printer driver is using (USB001, etc.) and click the [Next] button.**

11 **When the printer driver selection window appears, remove the [PCL6] checkmark and click the [PCL5c], [PS] or [PPD] checkbox so that a checkmark (☑) appears, and then click the [Next] button.**
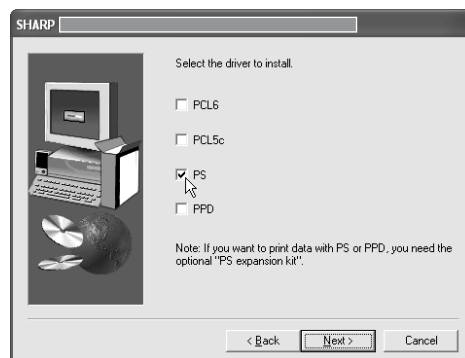
- When the PC-Fax driver is being installed, this screen does not appear. Go to the next step.
- The PS3 expansion kit is required to use the PS printer driver.
- The [PPD] checkbox only appears if you are using Windows 2000/XP/Server 2003.

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12 **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].

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

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

14 **When you are asked if you wish to install the display fonts, select [No] and click the [Next] button.**

When the PC-Fax driver is being installed, this screen does not appear. Go to the next step.

15 **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 2000/XP/Server 2003**
If a warning message regarding the Windows logo test or digital signature appears, be sure to click the [Continue Anyway] or [Yes] button.

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

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

. . . .

✎ 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 23) to configure the printer driver settings.
• Make sure that the port of the installed driver is the same as the port used by the PCL6 or SPLC-c printer driver.
The port used by the printer driver of the machine is indicated by a checkmark on the [Ports] tab of the printer driver properties window. (In Windows 98/Me, this is the port selected in [Print to the following port] on the [Details] tab.)
☞ CHANGING THE PORT (page 42)
• If you installed the PS printer driver or the PPD driver, the PS display fonts can be installed from the "PRINTER UTILITIES" CD-ROM that accompanies the PS3 expansion kit. See "INSTALLING THE PS DISPLAY FONTS" (page 40).

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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 or the PC-Fax driver installed on a print server, follow the steps below to install the printer driver or the PC-Fax 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.
- If the PPD driver is installed on the print server and the client computers are running Windows 98/Me/NT 4.0, see "USING THE STANDARD WINDOWS PS PRINTER DRIVER (Windows 98/Me/NT 4.0)" (page 22) to install the printer driver using the Add Printer Wizard.

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

If you have the 2-disc "Software CD-ROM", insert "Disc 1" to install the printer driver, or "Disc 2" to install the PC-Fax driver.

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

In Windows 98/Me/NT 4.0/2000, double-click [My Computer] and then double-click the [CD-ROM] icon.

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

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

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

6 Click the [Printer Driver] button.

- To install the PC-Fax driver, click the [PC-Fax Driver] button. (If you are using the "Software CD-ROM" that accompanies the MX-2300G/MX-2700G, click the [Utility Software] button and then click the [PC-Fax Driver] button.)
- To view information on the software, click the [Display Readme] button.

7 Click the [Next] button.

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

9 **Select [Shared Printer] and click the [Next] button.**

10 **Select the machine (configured as a shared printer).**
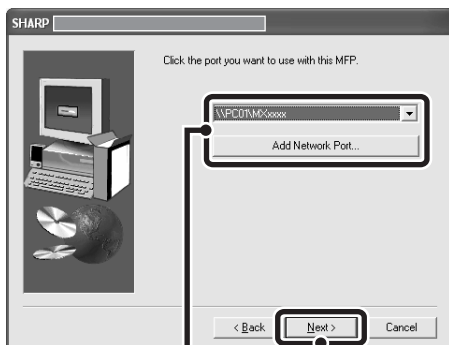
(1) (2)

(1) **Select the machine (configured as a shared printer) from the list.**

You can also click the [Add Network Port] button and select the printer to be shared (the machine) 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.

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

If you are installing the SPLC-c printer driver or the PC-Fax driver, go to step 13.

12 **If you are installing the PCL, the PS driver or the PPD driver, select the printer driver to be installed when the printer driver selection window appears and click the [Next] button.**

Be sure to select the same printer driver as the printer driver installed on the print server.
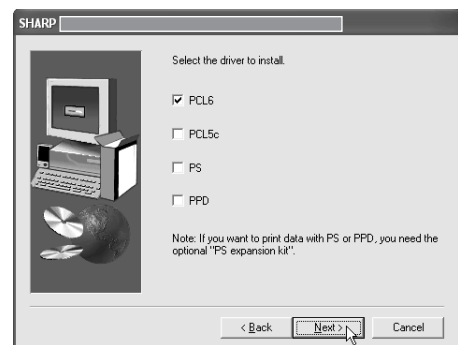
13 **Follow the on-screen instructions.**

- -

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.
If you installed the PS printer driver or the PPD driver, the PS display fonts can be installed from the "PRINTER UTILITIES" CD-ROM that accompanies the PS3 expansion kit. See "INSTALLING THE PS DISPLAY FONTS" (page 40).

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USING THE STANDARD WINDOWS PS PRINTER DRIVER (Windows 98/Me/NT 4.0)

If the PS3 expansion kit is installed on the machine and you wish to use the standard Windows 98/Me/NT 4.0 PS printer driver, follow the steps below to install the PPD driver using the Add Printer Wizard.

- If you are using Windows 2000/XP/Server 2003, you can install the PPD driver from the installer.
- Be sure to view the Readme file (Readme.txt) before installing the PPD driver. The Readme file is in the [English] folder on the "Software CD-ROM". For the location of the folder, see step 4.

---

1 Click the [Start] button, select [Settings] and then click [Printers].

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

Insert the "Software CD-ROM" that shows "Disc 1" on the front of the CD-ROM.

3 Double-click the [Add printer] icon.

The "Add Printer Wizard" will appear.

4 Follow the on-screen instructions.

When you are asked to specify the path of the PPD file, enter the path as follows.
Substitute the letter of your CD-ROM drive for "R" in the following paths.

Operating system	PPD file path
Windows 98/Me	R:\Drivers\Printer \English\PPD\9XME
Windows NT 4.0	R:\Drivers\Printer \English\PPD\NT40

After installation, see "CONFIGURING THE PRINTER DRIVER FOR THE OPTIONS INSTALLED ON THE MACHINE" (page 23) to configure the printer driver settings.

▶ Installing the resident font information (Windows 98/Me)

If you have installed the PPD driver on Windows 98/Me and will be using the resident fonts in the machine, you must install the resident font information. Follow the procedure below to install the resident font information.

- Before installing the resident font information, be sure to install the PPD driver.
- In the event that a resident font cannot be selected in a software application, install the resident font information again.

---

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

Insert the "Software CD-ROM" that shows "Disc 1" on the front of the CD-ROM.

2 Double-click [My Computer] (🖳) and then double-click the [CD-ROM] icon (💿).

3 Double-click the [Drivers] folder, the [Printer] folder, the [English] folder, the [PPD] folder, the [9XME] folder, and then [PFMSetup.exe].

4 Follow the on-screen instructions.

After the resident font information has been installed, restart your computer.

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.

> ✐ If the PPD driver is installed, see "When the PPD driver is installed" (page 25).

## ▶ When the PCL printer driver, SPLC-c printer driver or PS printer driver is installed

1 **Click the [start] button and then click [Printers and Faxes].**

In Windows 98/Me/NT 4.0/2000, click the [Start] button, select [Settings], and then click [Printers].

- -

> ✐ If [Printers and Faxes] does not appear in the [start] menu in Windows XP, click the [start] button, click [Control Panel], click [Printers and Other Hardware], and then click [Printers and Faxes].

2 **Open the printer properties window.**
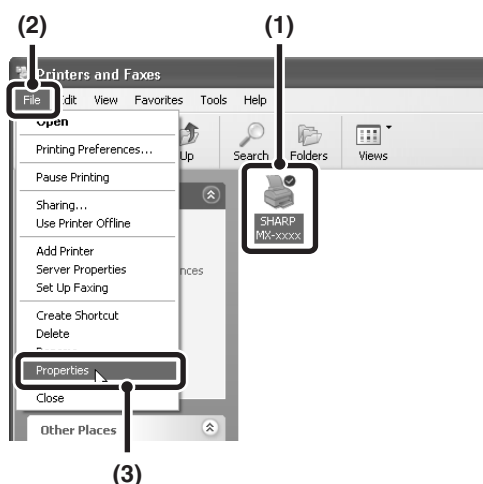
(1) **Click the printer driver icon of the machine.**

(2) **Click the [File] menu.**

(3) **Select [Properties].**

3 **Click the [Configuration] tab.**

In Windows 98/Me, click the [Setup] tab and then click the [Configuration] tab in the window that appears.

4 **Click the [Auto Configuration] button.**

The settings are automatically configured based on the detected machine status.
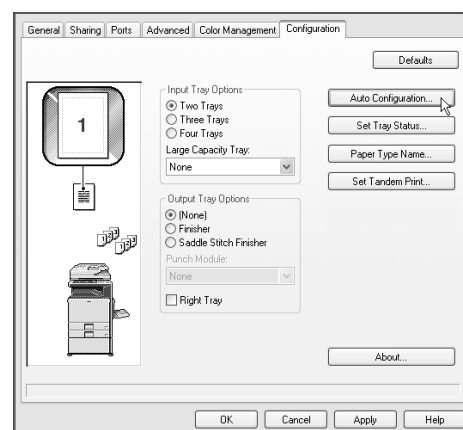
5 Configure the image of the machine.

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

(1) (2)
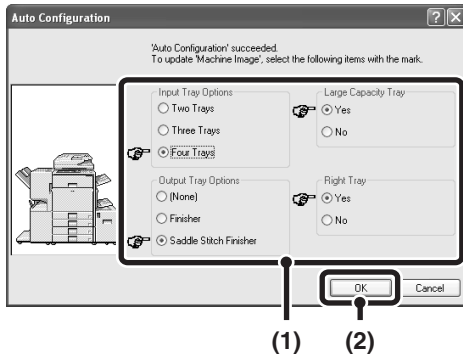
(1) Select the options that are installed on the machine.

(2) Click the [OK] button.

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

If automatic configuration fails, configure the settings manually.

• 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. Follow these steps to print out the "All Custom Setting List": Press the [SYSTEM SETTINGS] key, touch the [List Print (User)] key, and then touch the [All Custom Setting List] key.

• 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 setting (the IP address of the slave machine) in "Tandem Connection Setting" in the system settings (administrator) of the machine.

* "Set Tandem Print" can only be configured when the printer driver is installed using a "Standard installation" or a "Custom installation" with "LPR Direct Print" selected.

When the SPLC-c printer driver is used, the tandem print function cannot be used and thus the [Set Tandem Print] button does not appear.

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▶ When the PPD driver is installed

1 **Click the [start] button and then click [Printers and Faxes].**

In Windows 98/Me/NT 4.0/2000, click the [Start] button, select [Settings], and then click [Printers].

If [Printers and Faxes] does not appear in the [start] menu in Windows XP, click the [start] button, click [Control Panel], click [Printers and Other Hardware], and then click [Printers and Faxes].

2 **Open the printer properties window.**

(2)
(1)
(3)
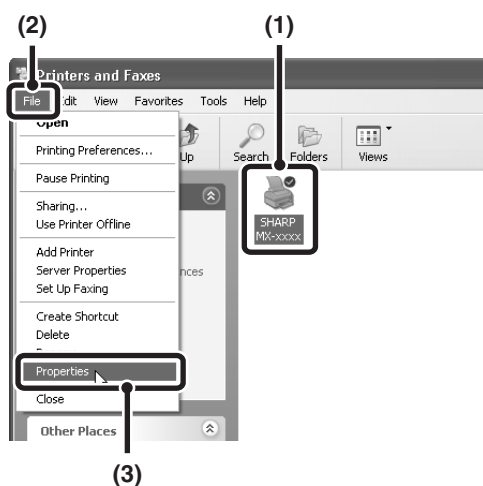
(1) **Click the printer driver icon of the machine.**

(2) **Click the [File] menu.**

(3) **Select [Properties].**

3 **Configure the printer driver for the options installed on the machine.**

(1)
(2)   (3)
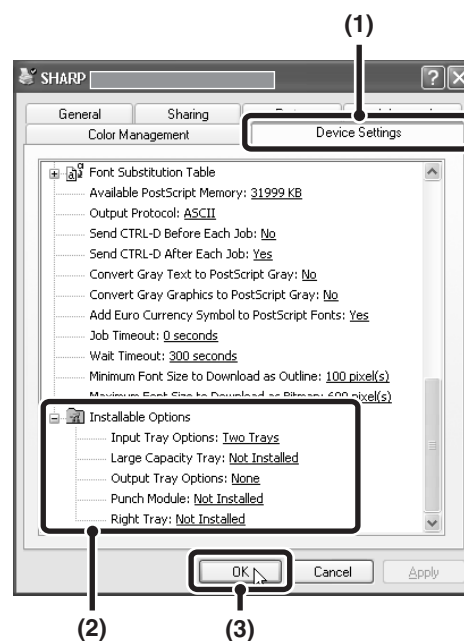
(1) **Click the [Device Settings] tab.**

In Windows 98/Me, click the [Device Options] tab.

(2) **Configure each item based on the machine configuration.**

The items and the procedures for configuring the items vary depending on the operating system version.

(3) **Click the [OK] button.**

You can check the options that are installed on the machine by printing out the "All Custom Setting List" in the system settings. Follow these steps to print out the "All Custom Setting List": Press the [SYSTEM SETTINGS] key, touch the [List Print (User)] key, and then touch the [All Custom Setting List] key.

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 (paper misfeeds and other error conditions), printer configuration information in the form of an image (the number of trays and whether or not a finisher or other device is installed), 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 98/Me/NT 4.0*/2000*/XP*/Server 2003*
* Administrator's rights are required to install the software.

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

If you have the 2-disc "Software CD-ROM", insert "Disc 1".

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

In Windows 98/Me/NT 4.0/2000, double-click [My Computer] and then double-click the [CD-ROM] icon.

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

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 **Click the [Printer Status Monitor] button.**

- If you are using the "Software CD-ROM" that accompanies the MX-2300G/MX-2700G, click the [Utility Software] button and then click the [Printer Status Monitor] button.
- To view information on the software, click the [Display Readme] button.

7 **Follow the on-screen instructions.**

8 **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.

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

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] ([Programs] in versions of Windows other than Windows XP/Server 2003), select [SHARP Printer Status Monitor] and then select [Help].

INSTALLING THE SCANNER DRIVER

The scanner driver (TWAIN driver) can only be used when the machine is connected to a network. (If your model is not equipped with the scanner function, the network scanner expansion kit and 256 MB expansion memory board are required.) When the scanner driver is installed, PC scan mode of the image send function can be used.
Supported operating systems: Windows 98/Me/2000*/XP*/Server 2003*
* Administrator's rights are required to install the software.

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

If you have the 2-disc "Software CD-ROM", insert "Disc 2".

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

If you are using Windows 98/Me/2000, double-click [My Computer], and then double-click the [CD-ROM] icon.

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

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 **Click the [Scanner Driver (TWAIN)] button.**

- If you are using the "Software CD-ROM" that accompanies the MX-2300G/MX-2700G, click the [Utility Software] button and then click the [Scanner Driver (TWAIN)] button.
- To view information on the software, click the [Display Readme] button.

7 **Follow the on-screen instructions.**

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

8 **When the finish setup window appears, click the [OK] button.**

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

. . . .

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. Next, configure the IP address of the machine in the scanner driver.
When the scanner driver is installed, the "Select Device" utility is also installed.
The IP address of the machine is configured in the scanner driver using "Select Device".

10 Click the [start] button, select [All Programs] ([Programs] in versions of Windows other than Windows XP/Server 2003), select [SHARP MFP TWAIN K], and then select [Select Device].

11 Click the [Add] button.
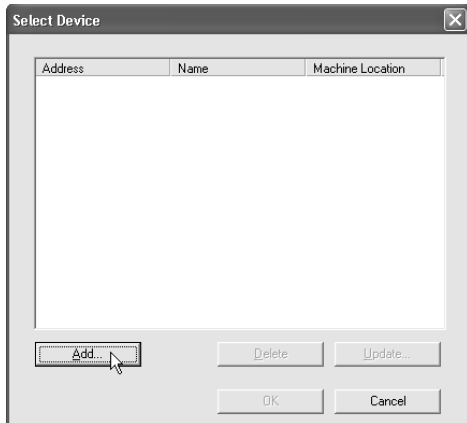
12 Select the IP address of the machine from the "Address" menu and click the [OK] button.

- Be sure to ask your system administrator (network administrator) for the IP address of the machine.
- The name (host name) or IP address of the machine can be directly entered in "Address".
- If the port number used by the scanner function of the machine has been changed, enter a colon ":" following the IP address and then enter the port number. (Normally the port number does not need to be entered.)
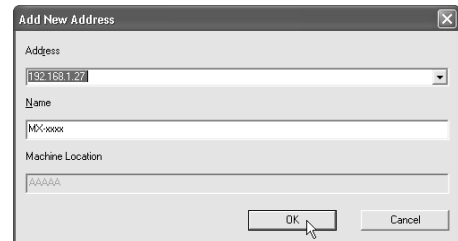
13 Click the [OK] button.
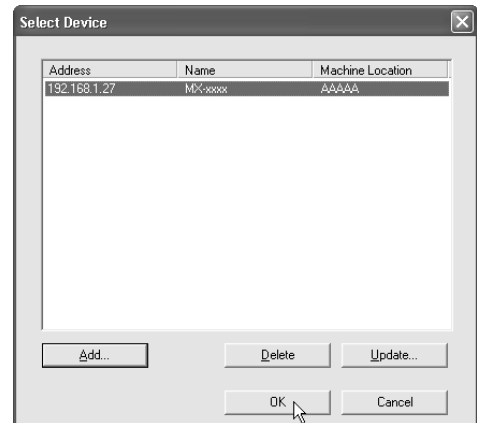
This completes the configuration of the scanner driver.

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3 SETUP IN A MACINTOSH ENVIRONMENT

This section explains how to install the PPD file to enable printing from a Macintosh and how to configure the printer driver settings. The procedures vary by operating system version.

☞ MAC OS X (v10.3.3 TO 10.4): this page
☞ MAC OS X (v10.2.8): page 33
☞ MAC OS X (v10.1.5): page 36
☞ MAC OS 9.0 TO 9.2.2: page 38

- **The PS3 expansion kit is required to use the machine as a printer in a Macintosh environment. (If your model is equipped as standard with the SPLC-c printer function, the printer expansion kit and 256 MB expansion memory board are required.) In addition, the printer function can only be used when the machine is connected to a network. The printer function cannot be used when the machine is connected with a USB cable.**
- **The scanner driver and PC-Fax driver cannot be used in a Macintosh environment.**

MAC OS X (v10.3.3 TO 10.4)

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

Insert the "Software CD-ROM" that shows "Disc 2" on the front of the CD-ROM.

2 **Double-click the [CD-ROM] icon (   ) on the desktop.**

3 **Double-click the [MacOSX] folder.**

4 **Double-click the [Version 10.3] folder.**

If you are using Mac OS X v10.4, double-click the [Version 10.4] folder.

5 **Double-click the [MX-PBX1] icon (   ).**

6 **Click the [Continue] button.**

7 The License Agreement window will appear. Make sure that you understand the contents of the license agreement and then click the [Continue] button.

A message will appear asking you if you agree to the terms of the license. Click the [Agree] button.

. . . .

If the license appears in the different language, change the language in the language menu.

8 Select the hard drive where the PPD file will be installed and click the [Continue] button.

Be sure to select the hard drive on which your operating system is installed.
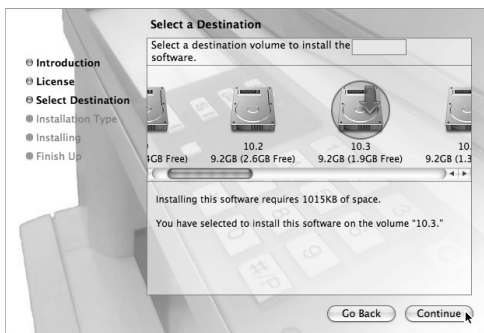
9 Click the [Install] button.

Installation begins.

. . . .

If the "Authenticate" window appears, enter the password and click the [OK] button.

10 When the message "The software was successfully installed" appears in the installation window, click the [Close] button.

This completes the installation of the software. Next, configure the printer driver settings.

11 Select [Utilities] from the [Go] menu.
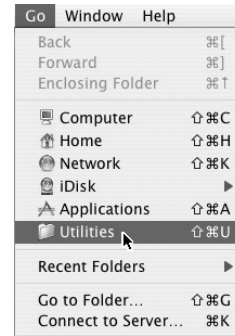
12 Double-click the [Printer Setup Utility] icon (🖨).

. . . .

If this is the first time you are installing a printer driver on your computer, a confirmation message will appear. Click the [Add] button.

13 Click [Add].

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14 Configure the printer driver.
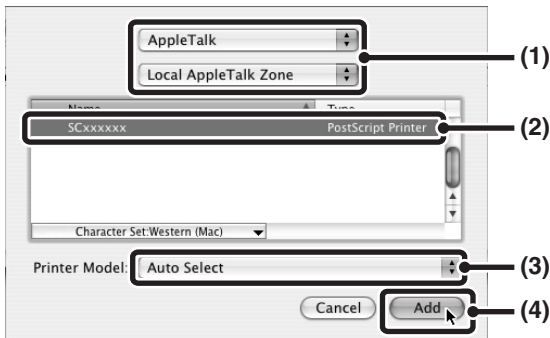
(1) Select [AppleTalk].

- If multiple AppleTalk zones are displayed, select the zone that includes the printer from the menu.
- If you are using Mac OS X v10.4, click the [Default Browser] icon.

(2) Click the machine's model name.

The machine's model name usually appears as [SCxxxxxx]. ("xxxxxx" is a sequence of characters that varies depending on your model.)

(3) Select [Auto Select].

If you are using Mac OS X v10.4, make sure that the PPD file of your model is selected.

(4) Click the [Add] button.

The PPD file of the machine is automatically selected and the peripheral devices installed on the machine are detected and automatically configured.

- -

- [IP Printing] can be selected (in Mac OS X v10.4 the [IP Printer] icon can be clicked) in (1) to print to the machine over a network using the IPP function. 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. If you wish to use the IPP function, follow these steps to configure the printer driver.
  (1) Select [Internet Printing Protocol] in "Printer Type" ("Protocol" in Mac OS X v10.4). Enter the address of the machine (IP address or domain name) and the "Queue Name" (enter "ipp" in "Queue Name").
  (2) Select [Sharp] in "Printer Model" ("Print Using" in Mac OS X v10.4) and click the PPD file of your model.
  (3) Click the [Add] button.
- The PPD file is installed in the following folders on the startup disk.
  [Library] - [Printers] - [PPDs] - [Contents] - [Resources] - [en.lproj]

15 Display printer information.

(1) Click the machine's name.

(2) Click [Show Info].

16 Select the machine configuration.

If you selected [Auto Select] in (3) of step 14, the machine configuration is detected and automatically configured. Check the configured settings to make sure they are correct.
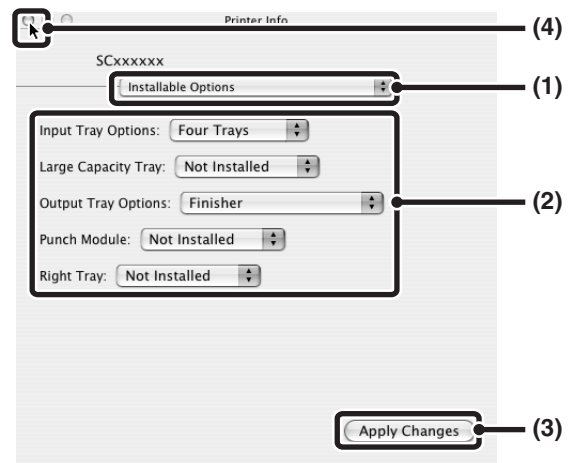
(1) Select [Installable Options].

(2) Select the options that are installed on the machine.

(3) Click the [Apply Changes] button.

(4) Click to close the window.

- -

You can check the options that are installed on the machine by printing out the "All Custom Setting List" in the system settings. Follow these steps to print the "All Custom Setting List":
Press the [SYSTEM SETTINGS] key, touch the [List Print (User)] key, and then touch the [All Custom Setting List] key.

This completes the configuration of the printer driver.

MAC OS X (v10.2.8)

If Mac OS X v10.2 has not been updated to version 10.2.8, be sure to update to version 10.2.8 before installing the PPD file. For information on how to update, see the Help file on your Macintosh computer.

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

Insert the "Software CD-ROM" that shows "Disc 2" on the front of the CD-ROM.

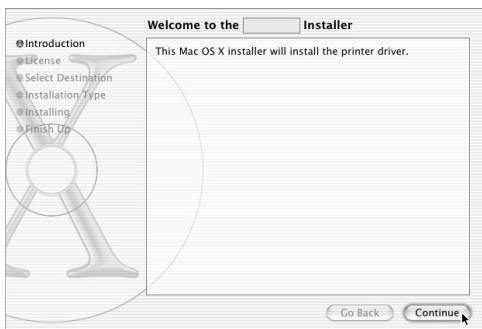**2** **Double-click the [CD-ROM] icon ( ) on the desktop.**

3 **Double-click the [MacOSX] folder.**

4 **Double-click the [Version 10.2] folder.**

5 **Double-click the [MX-PBX1] icon ( ).**

- -

If the "Authenticate" window appears, enter the password and click the [OK] button.

6 **Click the [Continue] button.**

7 **The License Agreement window will appear. Make sure that you understand the contents of the license agreement and then click the [Continue] button.**

A message will appear asking you if you agree to the terms of the license. Click the [Agree] button.

- -

If the license appears in the different language, change the language in the language menu.

8 **Select the hard drive where the PPD file will be installed and click the [Continue] button.**

Be sure to select the hard drive on which your operating system is installed.

9 **Click the [Install] button.**

Installation begins.

10 **When the message "The software was successfully installed" appears in the installation window, click the [Close] button.**

This completes the installation of the software. Next, configure the printer driver settings.

11 **Select [Applications] from the [Go] menu.**

12 **Double-click the [Utilities] folder.**

13 **Double-click the [Print Center] icon (🖨)**

If this is the first time you are configuring the printer driver on your computer, a message to confirm the addition of a printer will appear. Click the [Add] button.

14 **Click [Add].**
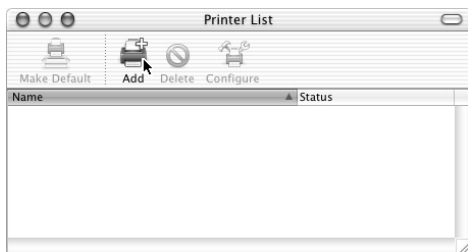
15 **Configure the printer driver.**
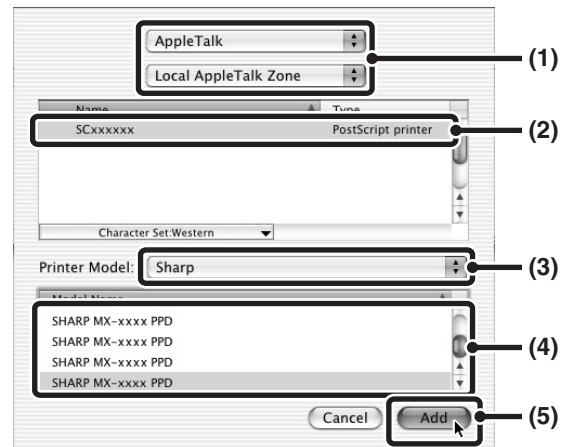
(1) **Select [AppleTalk].**

If multiple AppleTalk zones are displayed, select the zone that includes the printer from the menu.

(2) **Click the machine's model name.**

The machine's model name usually appears as [SCxxxxxx]. ("xxxxxx" is a sequence of characters that varies depending on your model.)

(3) **Select [Sharp].**

(4) **Click the PPD file for your model.**

(5) **Click the [Add] button.**

• [IP Printing] can be selected in (1) to print to the machine over a network using the IPP function. 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. If you wish to use the IPP function, follow these steps to configure the printer driver.
(1) Enter the address of the machine (IP address or domain name) in "Printer's Address".
(2) Select [Sharp] in "Printer Model" and click the PPD file of your model.
(3) Click the [Add] button.
• The PPD file is installed in the following folders on the startup disk.
[Library] - [Printers] - [PPDs] - [Contents] - [Resources] - [en.lproj]

16 **Click the name of the machine in the "Printer List" window.**
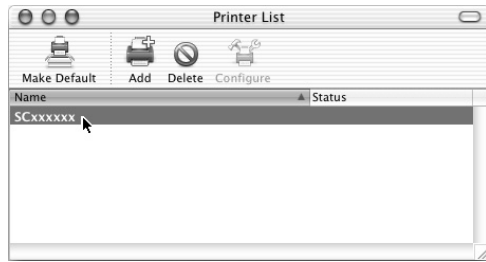
17 **Select [Show Info] from the [Printers] menu.**

18 **Select the machine configuration.**
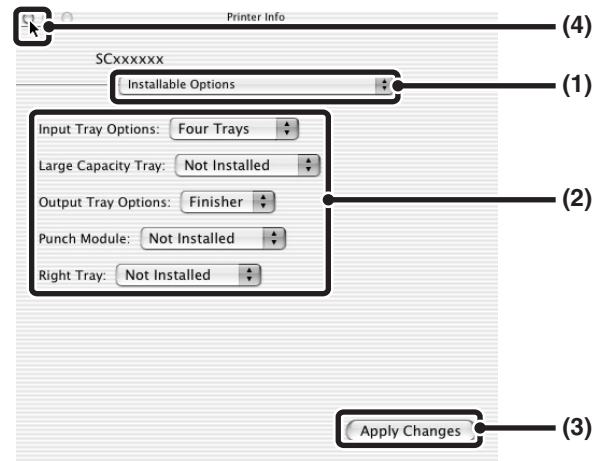
(1) Select [Installable Options].

(2) Select the options that are installed on the machine.

(3) Click the [Apply Changes] button.

(4) Click to close the window.

You can check the options that are installed on the machine by printing out the "All Custom Setting List" in the system settings. Follow these steps to print the "All Custom Setting List":
Press the [SYSTEM SETTINGS] key, touch the [List Print (User)] key, and then touch the [All Custom Setting List] key.

This completes the configuration of the printer driver.

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MAC OS X (v10.1.5)

If Mac OS X v10.1 has not been updated to version 10.1.5, be sure to update to version 10.1.5 before installing the PPD file. For information on how to update, see the Help file on your Macintosh computer.

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

Insert the "Software CD-ROM" that shows "Disc 2" on the front of the CD-ROM.

2 **Double-click the [CD-ROM] icon ( ) on the desktop.**

3 **Double-click the [MacOSX] folder.**

4 **Double-click the [Version 10.1] folder.**

5 **Double-click the [MX-PBX1] icon ( ).**

- -

If the "Authorization" window appears, click the lock icon ( ), enter the password, and click the [OK] button.

6 **Click the [Continue] button.**

7 **The License Agreement window will appear. Make sure that you understand the contents of the license agreement and then click the [Continue] button.**

A message will appear asking you if you agree to the terms of the license. Click the [Agree] button.

- -

If the license appears in the different language, change the language in the language menu.

8 **Select the hard drive where the PPD file will be installed and click the [Continue] button.**

Be sure to select the hard drive on which your operating system is installed.

9 **Click the [Install] button.**

Installation begins.

10 **When the message "The software was successfully installed" appears in the installation window, click the [Close] button.**

This completes the installation of the software. Next, configure the printer driver settings.

11 **Select [Applications] from the [Go] menu.**
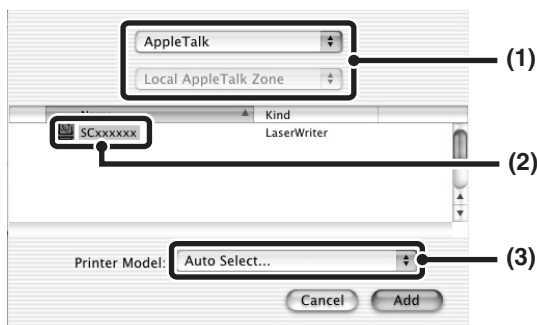
12 Double-click the [Utilities] folder.

13 Double-click the [Print Center] icon (🖨).

✏️ If this is the first time you are configuring the printer driver on your computer, a message to confirm the addition of a printer will appear. Click the [Add] button and go to step 15.

14 Click the [Add Printer] button.


15 Configure the printer driver.

(1) Select [AppleTalk].

If multiple AppleTalk zones are displayed, select the zone that includes the printer from the menu.

(2) Click the machine's model name.

The machine's model name usually appears as [SCxxxxxx]. ("xxxxxx" is a sequence of characters that varies depending on your model.)

(3) Select [Other].

✏️ [LPR Printers using IP] can be selected in (1) to print to the machine over a network using the IPP function. 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. If you wish to use the IPP function, follow these steps to configure the printer driver.
(1)Enter the address of the machine (IP address or domain name) in "LPR Printer's Address".
(2)Select [Other] in "Printer Model".

16 Select the PPD file of the machine.
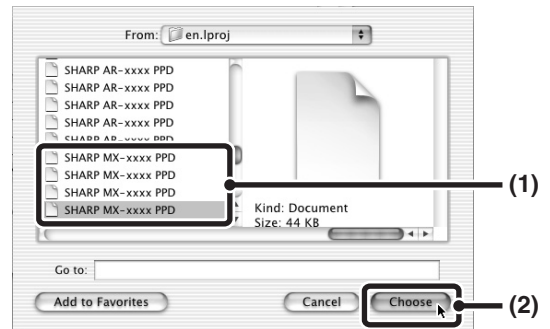
(1) Click the PPD file for your model.

Click [Startup disk name] - [Library] - [Printers] - [PPDs] - [Contents] - [Resources] - [en.lproj], and then select the PPD file for your model.

(2) Click the [Choose] button.

17 Click the [Add] button.
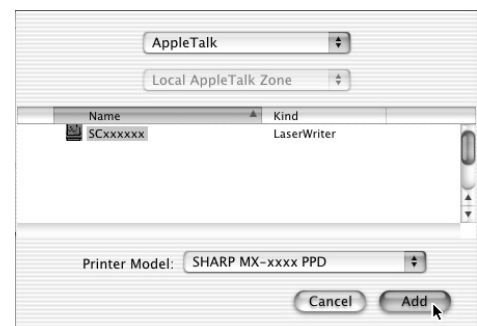
This completes the configuration of the printer driver.

MAC OS 9.0 TO 9.2.2

If you are using Mac OS 9.0 to 9.2.2, make sure that "LaserWriter 8" has been installed and that the "LaserWriter 8" checkbox is selected ☒ in "Extensions Manager" in "Control Panels". If not, install it from the system CD-ROM supplied with your Macintosh computer.

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

Insert the "Software CD-ROM" that shows "Disc 2" on the front of the CD-ROM.

2 **Double-click the [CD-ROM] icon (◎) on the desktop.**

3 **Double-click the [MacOS] folder.**

4 **Double-click the [Installer] icon (✍).**

5 **Click the [Install] button.**

6 **The License Agreement window will appear. Make sure that you understand the contents of the license agreement and then click the [Yes] button.**

7 **Read the message in the window that appears and click the [Continue] button.**

Installation of the PPD file begins.
After the installation, a message prompting you to restart your computer will appear. Click the [OK] button and restart your computer.

This completes the installation of the software. Next, configure the printer driver settings.

8 **Select [Chooser] from the Apple Menu.**
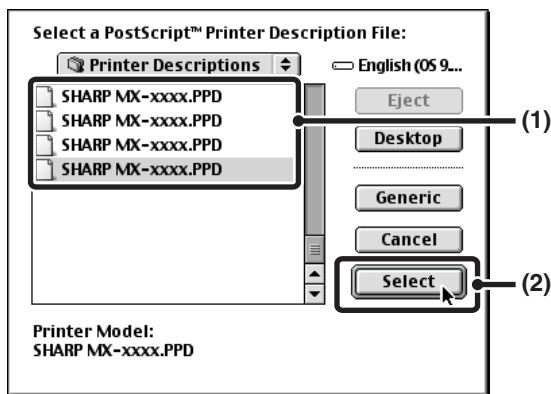
9 **Create a printer.**
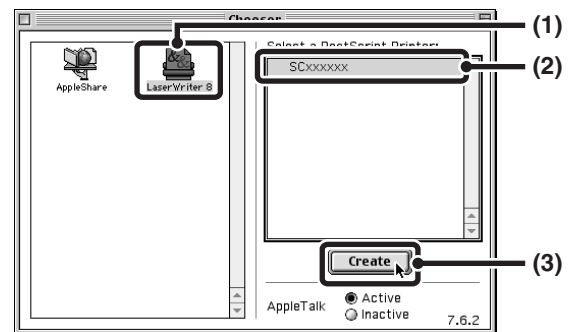
(1) Click the [LaserWriter 8] icon.
If multiple AppleTalk zones are displayed, select the zone that includes the printer.

(2) Click the machine's model name.
The machine's model name usually appears as [SCxxxxxx]. ("xxxxxx" is a sequence of characters that varies depending on your model.)

**(3) Click the [Create] button.**

10 Select the PPD file.

(1) Click the PPD file for your model.

(2) Click the [Select] button.

- If the above dialog box does not appear and you return to the "Chooser" dialog box, follow these steps to select the PPD file manually.
  (1) Make sure that the machine is selected in the "Select a Post Script Printer" list, and then click the [Setup] button followed by the [Select PPD] button.
  (2) Select the PPD file for your model and click the [Open] button.
  (3) Click the [OK] button.
- The PPD file is installed in the [Printer Descriptions] folder in the [Extensions] folder.

11 Make sure that the machine is selected in the "Select a PostScript Printer" list and then click the [Setup] button.

12 Click the [Configure] button.
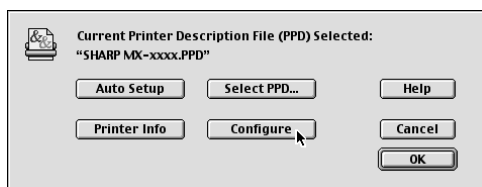
To automatically configure the settings based on the installed machine options that are detected, click the [Auto Setup] button.

13 Select the machine configuration.
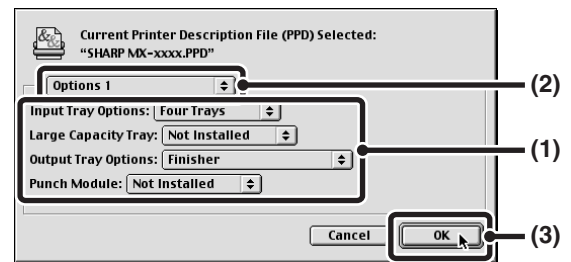
(1) Select the options that are installed on the machine.

(2) Select [Options 2] from the menu to change the screen and continue selecting the options that have been installed on the machine.

In the [Options 2] screen, select whether or not a "Right Tray" is installed.

(3) Click the [OK] button.

You can check the options that are installed on the machine by printing out the "All Custom Setting List" in the system settings. Follow these steps to print the "All Custom Setting List":
Press the [SYSTEM SETTINGS] key, touch the [List Print (User)] key, and then touch the [All Custom Setting List] key.

14 Click the [OK] button in the window of step 12 to close the window.

15 Click the close box (□) to close the "Chooser".

This completes the configuration of the printer driver.
You can install the screen fonts from the "PRINTER UTILITIES" CD-ROM that accompanies the PS3 expansion kit. See "INSTALLING THE PS DISPLAY FONTS" (page 40).

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4 USEFUL INFORMATION

This chapter explains how to install PS display fonts and how to change the printer driver port in Windows.

INSTALLING THE PS DISPLAY FONTS

Fonts that can be used by the PS printer driver are contained on the "PRINTER UTILITIES" CD-ROM that accompanies the PS3 expansion kit. Install these fonts as needed for the PS printer driver.

WINDOWS ENVIRONMENT

1 **Insert the "PRINTER UTILITIES" CD-ROM that accompanies the PS3 expansion kit into your computer's CD-ROM drive.**

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

If you are using Windows 98/Me/NT 4.0/2000, double-click [My Computer], and then double-click the [CD-ROM] icon.

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

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

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

6 **Click the [PS Display Font] button.**

7 **Follow the on-screen instructions.**

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

MACINTOSH ENVIRONMENT (Mac OS 9.0 to 9.2.2)

Macintosh screen fonts are contained in the [Font] folder of the "PRINTER UTILITIES" CD-ROM that accompanies the PS3 expansion kit. Copy the fonts that you wish to install to the [System Folder] of the startup disk.
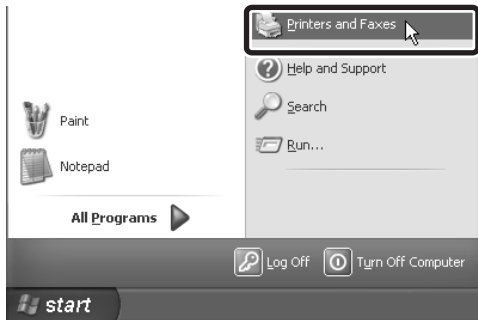
> If you experience problems that may be due to the installed screen fonts, immediately delete the installed fonts from the system.

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 or have installed the PC-Fax driver when the machine is connected with a USB cable.

1 **Click the [start] button and then click [Printers and Faxes].**

In Windows 98/Me/NT 4.0/2000, click the [Start] button, select [Settings], and then click [Printers].
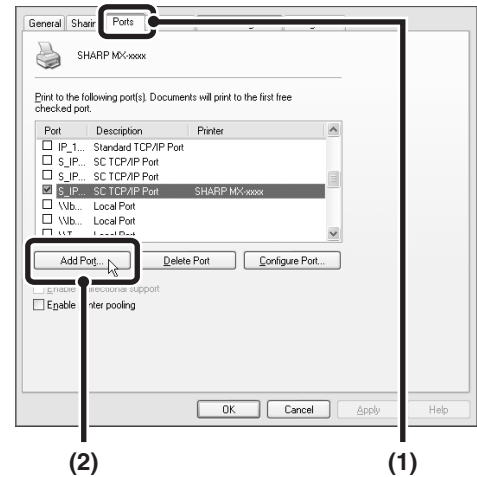
If [Printers and Faxes] does not appear in the [start] menu in Windows XP, click the [start] button, click [Control Panel], click [Printers and Other Hardware], and then click [Printers and Faxes].

2 **Open the printer properties window.**

(2)   (1)

(3)
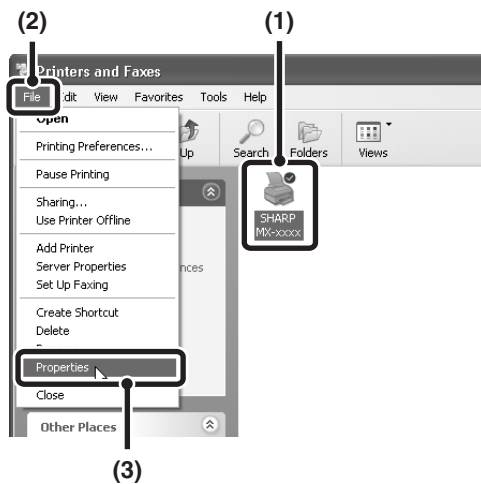
(1) Click the printer driver icon of the machine.

(2) Click the [File] menu.

(3) Select [Properties].

3 **Adding or changing a port.**

(2)   (1)

(1) Click the [Ports] tab.

In Windows 98/Me, click the [Details] tab.

(2) Click the [Add Port] button.

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.

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

In Windows 98/Me, select [Other], [SC2 TCP/IP Port], and then click the [OK] button.
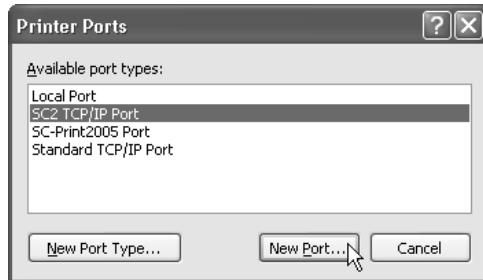
- • The "SC2 TCP/IP Port" is added when the printer driver is installed using a "Standard installation", or a "Custom installation" with "LPR Direct Print" selected.
- • If the printer driver is installed using a "Custom installation" with "IPP" selected, the [SC-Print2005 Port] is added. If you need 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 (the [OK] button in Windows 98/Me), and follow the on-screen instructions to create the port again.

5 **Create the new port.**
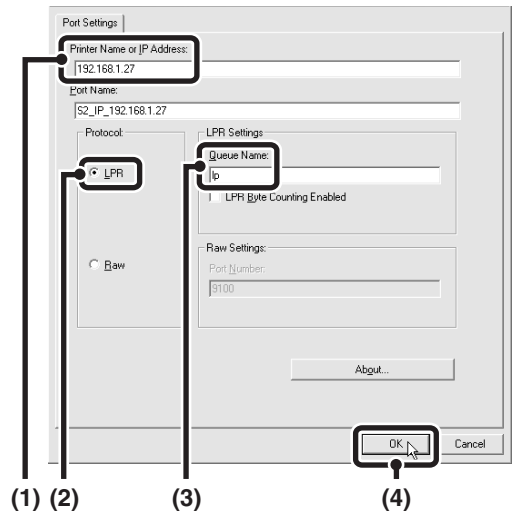
(1) Enter the machine's IP address.

(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.**

In Windows 98/Me, this step is not required. Go to the next step.

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

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. Follow these steps to print out the "All Custom Setting List".
Press the [SYSTEM SETTINGS] key, touch the [List Print (User)] key, and then touch the [All Custom Setting List] key.

Software Setup Guide

SHARP®