

## SOFTWARE SETUP GUIDE

### DIGITAL MULTIFUNCTIONAL SYSTEM

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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.

If the software is not installed correctly or you need to remove the software, see "TROUBLESHOOTING" (page 12).

## Please note

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- 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 Vista®. 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 authorized service representative.
- This product has undergone strict quality control and inspection procedures. In the unlikely event that a defect or other problem is discovered, please contact your dealer or nearest authorized service representative.
- Aside from instances provided for by law, SHARP is not responsible for failures occurring during the use of the product or its options, or failures due to incorrect operation of the product and its options, or other failures, or for any damage that occurs due to use of the product.

## Warning

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- Reproduction, adaptation or translation of the contents of the manual without prior written permission is prohibited, except as allowed under copyright laws.
- All information in this manual is subject to change without notice.

The 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.

The explanations in this manual are based on American English and the North American version of the software. Software for other countries and regions may vary slightly from the North American version.

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# ABOUT THE SOFTWARE

The CD-ROM that accompanies the machine contains the following software:



To view the manuals in PDF format, Adobe® Reader® or Acrobat® Reader® of Adobe Systems Incorporated is required. If neither program is installed on your computer, the programs can be downloaded from the following URL:

<http://www.adobe.com/>

- **Printer driver**

The printer driver enables you to use the printer function of the machine.

- **PC-Fax driver**

The PC-Fax driver lets you easily send faxes from your computer through the machine to another fax machine (when the facsimile expansion kit is installed).

- **Online manual**

Manuals in PDF format that are viewed using Adobe Acrobat Reader.

To view online manuals, specify the path as follows (where "R" represents the letter of your CD-ROM drive):

**Online Manual (for printer)**

R:\Manual\EnglishA\*MX\_M310.pdf

\* "English A" in North America. "English" in Europe.

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# BEFORE INSTALLATION

## HARDWARE AND SOFTWARE REQUIREMENTS

Check the following hardware and software requirements before installing the software.

|                             |  |
|-----------------------------|--|
| Computer type               | IBM PC/AT or compatible computer equipped with a USB 2.0/1.1*1                             |
| Operating system*2          | Windows 2000 Professional, Windows XP Professional, Windows XP Home Edition, Windows Vista |
| Other hardware requirements | An environment on which any of the operating systems listed above can fully operate        |

\*1 Compatible with Windows 2000 Professional, Windows XP Professional, Windows XP Home Edition, or Windows Vista preinstalled models equipped with a USB interface as standard.

\*2 • The machine does not support printing from a Macintosh environment.

• Administrator's rights are required to install the software using the installer.

# INSTALLING THE SOFTWARE



If an error message appears, follow the on-screen instructions to solve the problem. After the problem is solved, the installation procedure will continue. Depending on the problem, you may have to click the [Cancel] button to exit the installer. In this case, reinstall the software from the beginning after solving the problem.

## STANDARD INSTALLATION

The procedure for a standard installation of the software is explained below. Normally, it is recommended that you use the standard installation.

- 1 The USB cable must not be connected to the machine. Make sure that the cable is not connected before proceeding.**

If the 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 9.

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

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

- In Windows XP, click the [start] button, click [My Computer], and then double-click the CD-ROM icon.
- In Windows 2000, double-click [My Computer], and then double-click the CD-ROM icon.

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

In Windows Vista, if a message screen appears asking you for confirmation, click [Allow].

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

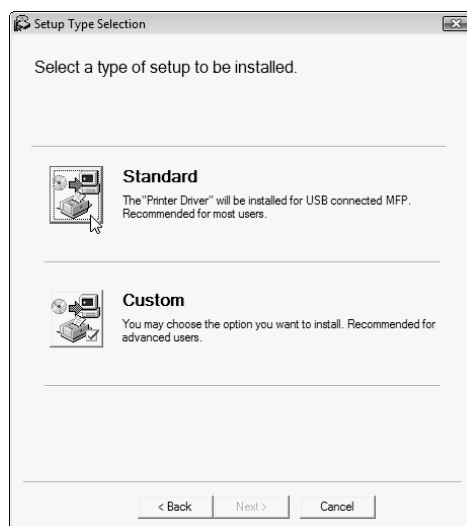


You can show the "SOFTWARE LICENSE" in a different language by selecting the desired language from the language menu. To install the software in the selected language, continue the installation with that language selected.

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

- 7 Click the [Standard] button.**

Follow the on-screen instructions.



### **8** When installing is finished, click the [Close] button.



- If you are using Windows Vista and a security warning window appears, be sure to click [Install this driver software anyway].
- If you are running Windows 2000/XP and a warning message appears regarding the Windows logo test or digital signature, be sure to click [Continue Anyway] or [Yes].

A message will appear instructing 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. In this case, click the [Yes] button to restart your computer.

### **9** Make sure that the power of the machine is turned on, and then connect the USB cable (p. 10).

Windows will detect the machine and a Plug and Play window will appear.

### **10** Follow the instructions in the Plug and Play window to install the driver.

Follow the on-screen instructions.



- If you are using Windows Vista and a security warning window appears, be sure to click [Install this driver software anyway].
- If you are running Windows 2000/XP and a warning message appears regarding the Windows logo test or digital signature, be sure to click [Continue Anyway] or [Yes].

#### **This completes the installation of the software.**

After installation, see "CONFIGURING THE PRINTER DRIVER" (page 11) to check the printer driver settings.

# CUSTOM INSTALLATION

The procedure for a custom installation of the software is explained below. Use the custom installation procedure, when the machine is used as a shared printer on a network, or when installing the PC-Fax driver.


**1** The USB or parallel cable must not be connected to the machine. Make sure that the cable is not connected before proceeding.

If the 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 11.

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

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

- In Windows XP, click the [start] button, click [My Computer], and then double-click the CD-ROM icon.
- In Windows 2000, double-click [My Computer], and then double-click the CD-ROM icon.

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

In Windows Vista, if a message screen appears asking you for confirmation, click [Allow].

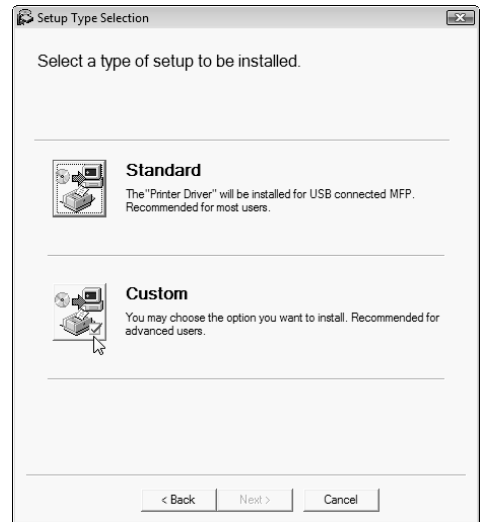
**5** The "SOFTWARE LICENSE" window will appear. Make sure that you understand the contents of the license agreement, and then click the [Yes] button.



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 [Custom] button.

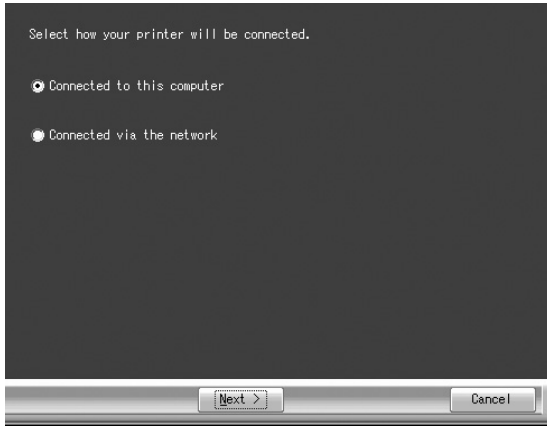


**8** Click the [Printer Driver] button.

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



### 9 Select [Connected to this computer] and click the [Next] button.



Follow the on-screen instructions.

When "The installation of the SHARP software is complete." appears, click the [OK] button.

- Caution**
- If you are using Windows Vista and a security warning window appears, be sure to click [Install this driver software anyway].
  - If you are running Windows 2000/XP and a warning message appears regarding the Windows logo test or digital signature, be sure to click [Continue Anyway] or [Yes].

### 10 When installing is finished, click the [Close] button.

- Caution**
- If you are using Windows Vista and a security warning window appears, be sure to click [Install this driver software anyway].
  - If you are running Windows 2000/XP and a warning message appears regarding the Windows logo test or digital signature, be sure to click [Continue Anyway] or [Yes].

A message will appear instructing you to connect the machine to your computer. Click the [OK] button.

- Note**
- After the installation, a message prompting you to restart your computer may appear. In this case, click the [Yes] button to restart your computer.

### 11 Make sure that the power of the machine is turned on, and then connect the USB cable (p. 10).

Windows will detect the machine and a Plug and Play window will appear.

### 12 Follow the instructions in the Plug and Play window to install the driver.

Follow the on-screen instructions.

- Caution**
- If you are using Windows Vista and a security warning window appears, be sure to click [Install this driver software anyway].
  - If you are running Windows 2000/XP and a warning message appears regarding the Windows logo test or digital signature, be sure to click [Continue Anyway] or [Yes].

**This completes the installation of the software.**

After installation, see "CONFIGURING THE PRINTER DRIVER" (page 11) to check the printer driver settings.



# INSTALLING THE PC-FAX DRIVER



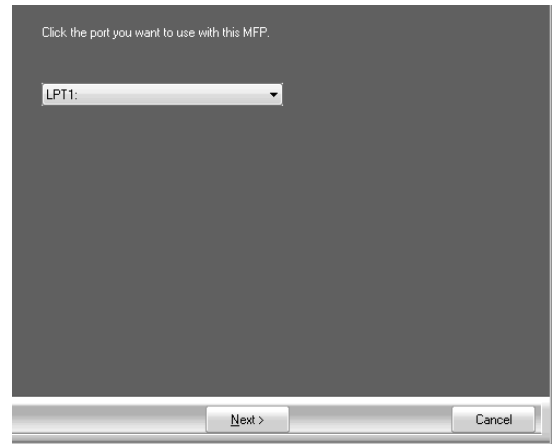
- When using the PC-Fax function, be sure to install the printer driver before installing the PC-Fax driver.
- The PC-Fax driver can only be used if the facsimile expansion kit is installed.

**1** Perform step 2 through 7 in "CUSTOM INSTALLATION" (p. 5)

**2** Click the [PC-Fax Driver] button.  
Before installing the software, be sure to click the [Display Readme] button and view the detailed information on the software.



**3** When the port selection window appears, select the port that the printer driver is using (USB001, etc.) and click the [Next] button.



- The port used by the printer driver is indicated by a checkmark in the [Ports] tab of the printer driver properties window.
- The USB port name will vary depending on the number of USB ports created on your computer. If the port created during installation of the printer driver is your first USB port, the name will be "USB001".

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

**5** Select whether or not you wish the PC-Fax driver to be your default printer and click the [Next] button.

**6** When the printer name window appears, click the [Next] button.  
If you wish to change the printer name, enter the desired name.

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

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

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

This completes the installation of the software.

# USING THE MACHINE AS A SHARED PRINTER

If the machine will be used as a shared printer on a Windows network, follow these steps to install the printer driver in the client computer.



To configure the appropriate settings in the print server, see the operation manual or help file of your operating system.

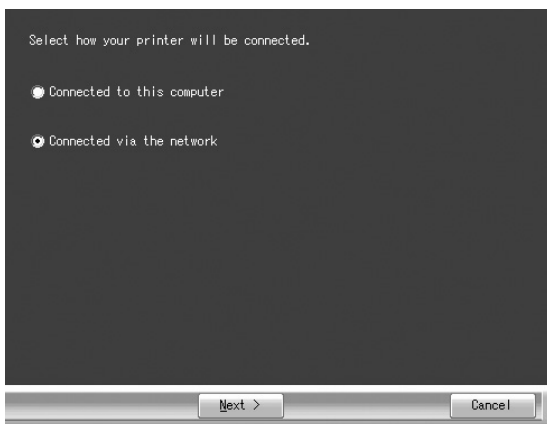
**1** Perform steps 2 through 7 in "CUSTOM INSTALLATION" (p. 5)

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



Click the [Display Readme] button to show information on packages that are selected.

**3** Select [Connected via the network] and click the [Next] button.



**4** Select the printer name (configured as a shared printer on a print server) from the list.

In Windows 2000/XP, you can also click the [Add Network Port] button displayed below the list and select the printer to be shared by browsing the network in the window that appears.

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

Follow the on-screen instructions.



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



- If you are using Windows Vista and a security warning window appears, be sure to click [Install this driver software anyway].
- If you are running Windows 2000/XP and a warning message appears regarding the Windows logo test or digital signature, be sure to click [Continue Anyway] or [Yes].

**6** You will return to the window of step 2. Click the [Close] button.



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

**This completes the installation of the software.**

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# CONNECTING TO A COMPUTER

Follow the procedure below to connect the machine to your computer.

A USB cable for connecting the machine to your computer are not included with the machine. Please purchase the appropriate cable for your computer.

## Interface cable

### USB cable

Shielded twisted pair cable, high-speed transmission equivalent (9 feet (3 m) max.)

Please purchase a USB cable that supports USB 2.0.

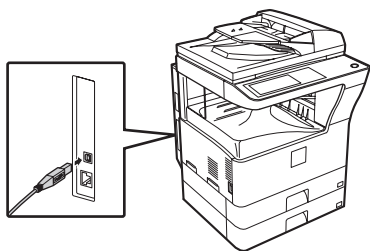


**Caution**

- USB is available on a PC/AT compatible computer that was originally equipped with USB and had Windows 2000 Professional, Windows XP Professional, Windows XP Home Edition, or Windows Vista preinstalled.
- Do not connect the USB cable before installing the printer driver. The USB cable must be connected during installation of the printer driver.

## CONNECTING A USB CABLE

- 1** Insert the cable into the USB connector on the machine.



- 2** Insert the other end of the cable into your computer's USB connector.



**Note**

The cable can also be inserted into a USB 1.1 connector.

# CONFIGURING THE PRINTER DRIVER

After installing the printer driver, you must configure the printer driver settings appropriately for the number of paper trays on the machine and the size of paper loaded in each tray.

## 1 Click the [Start] button, click [Control Panel], and then click [Printer].

- In Windows XP, click the [start] button and click [Printers and Faxes].
- In Windows 2000, click the [Start] button, select [Settings], and then click [Printers].



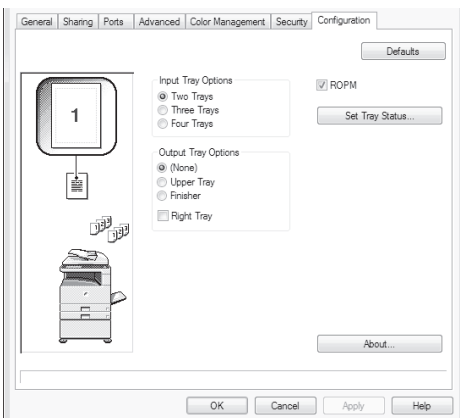
In Windows XP, if [Printers and Faxes] does not appear in the [start] menu, select [Control Panel], select [Printers and Other Hardware], and then select [Printers and Faxes].

## 2 Click the "SHARP MX-xxxx" printer driver icon and select [Properties] from the [Organize] menu.

In Windows XP/2000, select [Properties] from the [File] menu.

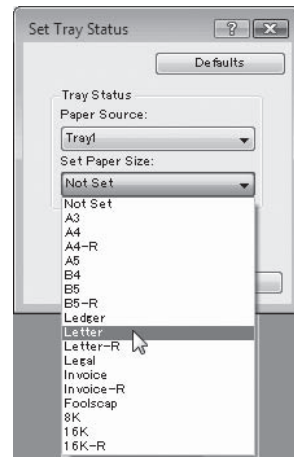
## 3 Click the [Configuration] tab and set the printer configuration based on the options that have been installed.

Set the printer configuration properly. If not, printing may not take place correctly.



## 4 Click the [Set Tray Status] button and select the size of paper that is loaded in each tray.

Select a tray in the [Paper source] menu, and select the size of paper loaded in that tray from the [Set Paper Size] menu. Repeat for each tray.



## 5 Click the [OK] button in the [Set Tray Status] window.


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

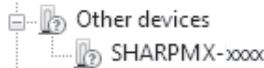
# TROUBLESHOOTING

## WHEN INSTALLATION WAS NOT SUCCESSFUL

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

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| • The printer driver cannot be installed (Windows 2000/XP) . . . . .      | 13 |

| Problem  | Point to check   | Solution  |
|--|--|---|
| <b>The software cannot be installed.</b>         | Is there sufficient free space on your hard drive?       | Delete any unneeded files and applications to increase free space on your hard drive.   |
|  | Are you using an operating system that is not supported? | Make sure that the software can run on your operating system.<br>For detailed information on installation requirements for each software program in Windows, click the [Display Readme] button in the installer.  |
| <b>The plug and play screen does not appear.</b> | Is the machine power on?                                 | When a USB cable is connected, make sure the power of the machine is "ON" and then connect a USB cable to the machine.  |
|  | Can your computer use a USB connection?                  | <p>Check your computer whether or not a USB interface can be used on the Device Manager in your computer. (For information on "Device Manager", see Help in Windows.)</p> <p>If USB can be used, your controller chipset type and root hub will appear in "Universal Serial Bus controllers" in "Device Manager". (The items that appear will vary depending on your computer.)</p>  <p>If these two items appear, USB should be useable. If a yellow exclamation point appears next to "Universal Serial Bus controllers" or the two items do not appear, refer to your computer manual or check with the manufacturer of your computer to enable USB and then reinstall the printer driver.</p> |

| Problem   | Point to check  | Solution  |
|---|---|---|
| <p><b>The printer driver is not installed correctly by plug and play.</b></p> | <p>Did you connect the machine to your computer before installing the printer driver?</p> | <p>If the machine was connected to your computer with a USB cable before the printer driver was installed from the installer, check if information on the unsuccessful installation remains in "Device Manager". (For information on "Device Manager", see Help in Windows.)</p> <p>If the model name of the machine appears in "Other devices" in "Device Manager", delete it, restart your computer, and install the printer driver again.</p>  |

## The printer driver cannot be installed (Windows 2000/XP)

If the printer driver cannot be installed on Windows 2000/XP, follow the steps below to check your computer settings.

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

In Windows 2000, click the [Start] button, point to [Settings], and click [Control Panel].

### 2 Click [Performance and Maintenance] and then [System].

In Windows 2000, double-click the [System] icon.

### 3 Click the [Hardware] tab and then the [Driver Signing] button.

### 4 Check the settings in "What action do you want Windows to take?" ("File signature verification" in Windows 2000).



If [Block] is selected, the printer driver cannot be installed. Select [Warn] and install the printer driver again.

## REMOVING THE SOFTWARE

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

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

In Windows 2000, click the [Start] button, point to [Settings], and click [Control Panel].

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### **2** Click [Uninstall a program].

- In Windows XP, click [Add or Remove Programs].
- In Windows 2000, double-click the [Add/Remove Programs] icon.

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

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

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### **4** Restart your computer.









**SHARP®**

SHARP CORPORATION

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