

PRINTER Controller Type 1013

Operating Instructions Printer Reference 1 (option)

-
- 1 Getting Started
 - 2 Configuring the Printer for the Network
 - 3 Installing the Printer Driver and Software

Introduction

This manual contains detailed instructions on the operation and maintenance of this machine. To get maximum versatility from this machine all operators should carefully read and follow the instructions in this manual.

Please keep this manual in a handy place near the machine.

Please read the Safety Information before using this machine. It contains important information related to USER SAFETY and PREVENTING EQUIPMENT PROBLEMS.

Notes:

"PS2" stands for PostScript level2 Compatible in this manual.

Important

Contents of this manual are subject to change without prior notice. In no event will the company be liable for direct, indirect, special, incidental, or consequential damages as a result of handling or operating the machine.

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Adobe, PostScript, Acrobat and PageMaker are registered trademarks of Adobe System Incorporated.

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Other product names used herein are for identification purposes only and might be trademarks of their respective companies. We disclaim any and all rights in those marks.

Warning:

Use of controls or adjustment or performance of procedures other than those specified in this manual might result in hazardous radiation exposure.

Notes:

Some illustrations in this manual might be slightly different from the machine.

Certain options might not be available in some countries. For details, please contact your local dealer.



Declaration of Conformity

"The Product complies with the requirements of the EMC Directive 89/336/EEC and its amending directives and the Low Voltage Directive 73/23/EEC and its amending directives."

Caution (in case of IEEE1284 environment):

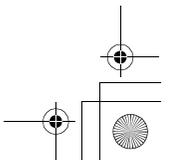
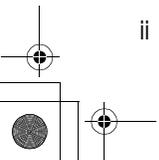
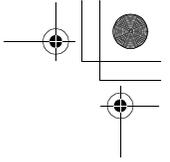
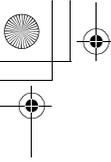
Properly shielded and grounded cables (STP) and connectors must be used for connections to host computer (and/or peripheral) in order to meet EMC Directive 89/336/EEC emission limits.

Caution (in case of 100BaseTX environment):

Interface cable with ferrite core must be used for RF interference suppression.

TABLE OF CONTENTS

Manuals for This Machine	1
Manuals for This Machine	1
How to Read This Manual	3
1. Getting Started	
<hr/>	
Features of This Machine	5
Printer Drivers for This Machine.....	5
Software and Utilities provided on the CD-ROM.....	7
Guide to This Machine	8
Control Panel	8
Panel Display	11
Connecting the Machine	12
Requirements.....	12
Connecting the Network Interface Cable to the Network	14
Connecting the Machine to the Host Using the Parallel Interface Cable	16
2. Configuring the Printer for the Network	
<hr/>	
Configuring the Printer for the Network with the Control Panel	17
3. Installing the Printer Driver and Software	
<hr/>	
Installation Method	19
Quick Install	20
Installing the PCL 6/5e Printer Driver	22
Installing the PCL 6/5e Printer Driver.....	22
Installing the PostScript Printer Driver	24
Windows 95/98/Me - Installing the PostScript Printer Driver.....	24
Windows 2000/Windows XP - Installing the PostScript Printer Driver	25
Windows NT 4.0 - Installing the PostScript Printer Driver.....	27
Using Adobe PageMaker Version 6.0, 6.5 or 7.0.....	29
Installing the SmartNetMonitor for Client/Admin	30
Installing the Agfa Monotype Font Manager 2000	31
Macintosh	32
Mac OS - Installing the PPD File.....	32
Mac OS X - Installing the PPD File	34
INDEX	35



Manuals for This Machine

Manuals for This Machine

The following manuals separately describe the operational procedures for the operation and maintenance of the machine.

Depending on the machine, some manuals are not provided. Confirm which type of machine you have.

To enhance safe and efficient operation of the machine, all users should read and follow the instructions contained in the following manuals.

◆ **Copy Reference**

Describes the procedures and functions for using this machine as a copier.

◆ **System Settings**

Describes the system settings of this machine.

◆ **Facsimile Reference <Basic Features>**

Describes the procedures and most frequently used functions for using this machine as a facsimile.

◆ **Facsimile Reference <Advanced Features>**

Describes the procedures and more advanced functions for using this machine as a facsimile. And also explains settings for key operators.

◆ **Printer Reference 1**

Describes the system settings, procedures and functions for using this machine as a printer. (this manual)

◆ **Printer Reference 2**

Describes the procedures and provides necessary information about using this machine as a printer. This manual is provided as a PDF file on the CD-ROM labeled "Operating Instructions for Printer".

◆ **Network Interface Board Quick Configuration Guide**

Describes the procedures and provides necessary information about setting up and using the printer under the network environment. This manual is provided as a PDF file on the CD-ROM labeled "Operating Instructions for Printer".

◆ **Type 1018 PostScript level2 Compatible Kit Operating Instructions Supplement**

Describes the functions of Printer Utility for Mac. This manual is provided as a PDF file on the CD-ROM labeled "Operating Instructions for Printer".

◆ **Network Interface Board Type 1018 Owner's Manual**

Describes the procedures and provides necessary information about setting up and using the printer under the network environment. This manual is provided as a PDF file on the CD-ROM labeled "Print Server Software and Documentation" which comes with optional Network Interface Board Type 1018.

 **Note**

- Concerning UNIX printing information, please visit our web site or consult your authorized reseller.

How to Read This Manual

Symbols

In this manual, the following symbols are used:

 **WARNING:**

This symbol indicates a potentially hazardous situation which, if instructions are not followed, could result in death or serious injury.

 **CAUTION:**

This symbol indicates a potentially hazardous situation which, if instructions are not followed, may result in minor or moderate injury or damage to property.

* The statements above are notes for your safety.

 **Important**

If this instruction is not followed, paper might be misfed, originals might be damaged, or data might be lost. Be sure to read this.

 **Preparation**

This symbol indicates the prior knowledge or preparations required before operating.

 **Note**

This symbol indicates precautions for operation, or actions to take after misoperation.

 **Limitation**

This symbol indicates numerical limits, functions that cannot be used together, or conditions in which a particular function cannot be used.

 **Reference**

This symbol indicates a reference.

[]

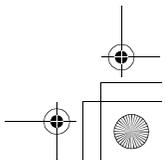
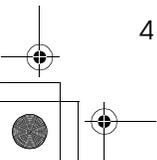
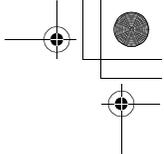
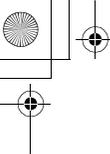
Keys that appear on the machine's panel display.

Keys and buttons that appear on the computer's display.

[]

Keys built into the machine's control panel.

Keys on the computer's keyboard.



1. Getting Started

Features of This Machine

This machine is designed especially for office workgroups, both for shared usage within a network environment, and for one-to-one usage by being connected directly to the computer.

◆ Compact Body

Its compact body requires minimum space to place it on your desk side.

◆ Network Connectivity

This printer is network ready with optional Network Interface Board Type 1018.

◆ Major Specifications

Maximum Print Quality	True 600 × 600 dpi resolutions (PCL 6, 5e, PS2 (option))
Printer Language	PCL 6, PCL 5e, PS2 (option)
Maximum Input Paper Size	Maximum input paper size depends on the machine. Confirm which type of machine you have. See the operating instructions that comes with this machine.
Standard Memory Size	16MB
Maximum Memory Size with Optional Memory	144MB

Printer Drivers for This Machine

Printing requires installation of a printer driver for your operating system. The following drivers are provided on the CD-ROM that comes with this machine.

	Printer Language	PCL 6	PCL 5e	PS2
Operating system				
Windows 95 ^{*1}		√	√	√
Windows 98 ^{*2}		√	√	√
Windows Me ^{*3}		√	√	√
Windows 2000 ^{*4}		√	√	√
Windows XP ^{*5}		√	√	√
Windows NT 4.0 ^{*6}		√	√	√ ^{*9}
Mac OS ^{*7}				√ ^{*10} ^{*11}
Mac OS X ^{*8}				√ ^{*12}

Getting Started

1

- *1 Microsoft Windows 95 operating system
- *2 Microsoft Windows 98 operating system
- *3 Microsoft Windows Millennium Edition
- *4 Microsoft Windows 2000 Professional
Microsoft Windows 2000 Server
- *5 Microsoft Windows XP Professional
Microsoft Windows XP Home Edition
- *6 Microsoft Windows NT Server operating system version 4.0, Microsoft Windows NT Workstation operating system version 4.0 in a computer using x86 processors.
- *7 Versions 8.6 to 9.2 of the Mac OS (Mac OS X Classic mode is supported.)
- *8 Mac OS X 10.1 or later (Native mode)
- *9 Requires Service Pack 4 or later.
- *10 PPD (PostScript Printer Description) files are provided on the CD-ROM.
- *11 You can use the LaserWriter printer driver that comes with a Macintosh. Use the appropriate printer driver that comes with the Macintosh operating system you are using. See the documentation that comes with the Macintosh for more information about the LaserWriter functions.
- *12 The Printer Description (PPD) installer is included on the CD-ROM labeled "Printer Drivers and Utilities".

◆ PCL printer drivers

Printer drivers allow the computer to communicate with the printer via a printer language. Two kinds of PCL printer drivers, PCL 6 and PCL 5e, are provided with this printer. We recommend PCL 6 as your first choice.

📌 Note

- Some of your applications might require the installation of the PCL 5e printer driver. In this case, you can install PCL 5e in addition to PCL 6.
⇒ p.22 "Installing the PCL 6/5e Printer Driver"

◆ PostScript Printer Driver for Windows

This is the PostScript Level 2 compatible driver. This printer driver allows the computer to communicate with the printer via PostScript Level 2.

- ⇒ p.24 "Windows 95/98/Me - Installing the PostScript Printer Driver"
- ⇒ p.25 "Windows 2000/Windows XP - Installing the PostScript Printer Driver"
- ⇒ p.27 "Windows NT 4.0 - Installing the PostScript Printer Driver"

◆ Post Script Printer Description (PPD) files for a Macintosh

- Mac OS
The PPD files, in combination with the LaserWriter driver, allow the computer to communicate with the printer. The printer specific functions can be used by installing a PPD file.
- Mac OS X
The PPD files, installed using the Printer Description (PPD) installer, allow the computer to communicate with the printer. The printer specific functions can be used by installing a PPD file.
Use the appropriate printer driver that comes with the Macintosh operating system you are using.
⇒ p.32 "Macintosh"

Software and Utilities provided on the CD-ROM

◆ Agfa Monotype Font Manager 2000

Helps you to install new screen fonts, or organize and manage fonts already installed on the system.

1

◆ SmartNetMonitor for Admin

SmartNetMonitor for Admin is software that uses the TCP/IP and IPX/SPX protocols to monitor the printers in a network. It can monitor multiple network printers having IP addresses. We recommend network administrators to use this software.

🔍 Reference

For more information about SmartNetMonitor for Admin, see the SmartNetMonitor for Admin online Help file.

◆ SmartNetMonitor for Client

SmartNetMonitor for Client is software equipped with the following functions. We recommend all users of this printer to install this software.

- Provides the function to print in a Peer-to-Peer network.
- Uses the TCP/IP and IPX/SPX protocols to monitor the status of devices in a network constantly.

🔍 Reference

For more information about SmartNetMonitor for Client, see the SmartNetMonitor for Client online Help file.

◆ Acrobat Reader

A utility that allows you to read PDF (Portable Document Format). This software is provided as a PDF file on the CD-ROM labeled "Operating Instructions for Printer".

📖 Note

- ❑ Documentation about using the printer is provided as a PDF format on the CD-ROM. See Acrobat Reader online Help for more information about using Acrobat Reader.

◆ Printer Utility for Mac

This utility allows users to download and manage a variety of fonts as well as to manage their printers. For more information about this utility, see the Type 1018 PostScript level2 Compatible Kit Operating Instructions Supplement which is provided as a PDF file on the CD-ROM labeled "Operating Instructions for Printer".

🚨 Important

- ❑ If you upgrade to Windows 2000/Windows XP from Windows 95/98/Me or Windows NT 4.0, the software and utilities must be uninstalled prior to installing Windows 2000/Windows XP. Then reinstall them in a Windows 2000/Windows XP environment.

Guide to This Machine

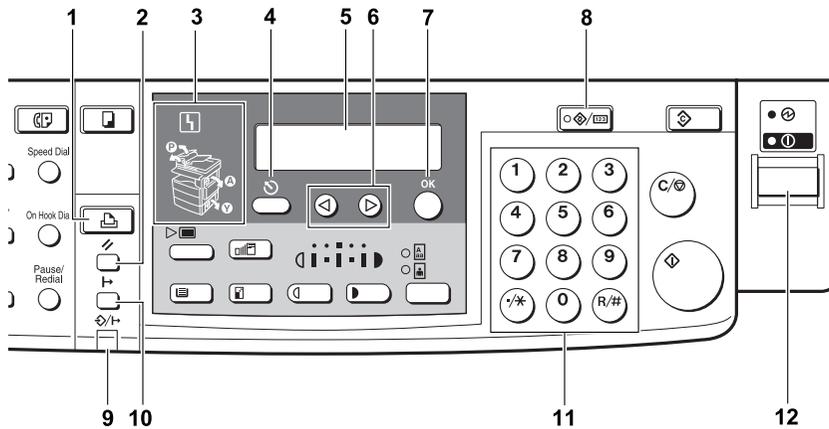
1

Control panel is differ depending on the machine. Confirm that which type of machine you have.

Control Panel

◆ Copier based model

This panel display is for the installed Printer and Facsimile feature.



ZEN5062E

1. [Printer Mode] key

Press to use printer functions.

2. [Job Reset] key

When the printer is online, press this key to cancel any ongoing print job.

3. Indicators

These indicators show errors or the status of the machine.

The  symbol is displayed following conditions and the message is displayed on the panel display.

◆ Loading Paper

There is no paper in the paper tray.

📌 Note

- Appears only when you use the machine as a Copier or Facsimile.

◆ Changing the Toner Cartridge

It is time to supply toner.

◆ Clearing Misfeeds

Paper misfeeds have occurred.

🔍 Reference

For more information about solving above error, see "Troubleshooting" in the Copy Reference.

4. [Cancel] key

Press to cancel an operation or return to the previous display.

5. Display panel

Shows operation status, error messages, and function menus.

6. [Left Arrow/Right Arrow] keys

Press to select an item on the panel display.

7. [OK] key**8. [User Tools/Counter] key**

Press to change the default settings and conditions to meet your requirements.

9. Data In/Online indicator

Blinks while the printer is receiving data from a computer or printing and is on while the printer is online.

10. [On Line] key

Press this key to switch the printer between online and offline.

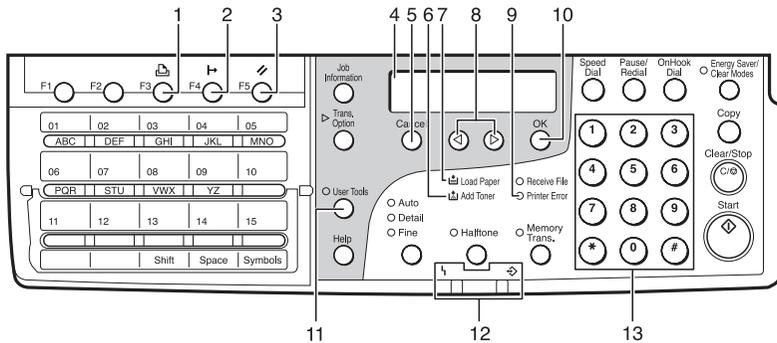
11. Number keys

Use to enter the desired number of copies and data for selected modes.

12. Operation switch

Press this switch to turn the power on (the **On** indicator goes on). To turn the power off, press this switch again (the **On** indicator goes off).

1

◆ Facsimile based simplex model

ZFWS031E

1. [Printer Mode] Key

Press to use printer functions.

2. [On Line] key

Press this key to switch the printer between online and offline.

3. [Job Reset] key

When the printer is online, press this key to cancel any ongoing print job.

4. Display panel

Shows operation status, error messages, and function menus.

5. [Cancel] key

Press to cancel an operation or return to the previous display.

6. Add Toner indicator

Blinks when toner is about to run out and lights continuously when toner has run out.

7. Load Paper indicator

Lights when a paper tray is empty or the paper tray is not fully inserted.

8. [Left Arrow/Right Arrow] key

Press to select an item on the panel display.

9. Printer Error indicator

Lights when an error occurred on the printer. Check the display and read the message to identify the problem.

10. [OK] key

Getting Started

1

11. [User Tools] key

Press to change the default settings and conditions to meet your requirements.

12. Status Indicator

These indicators keep you informed about the current status of the unit.

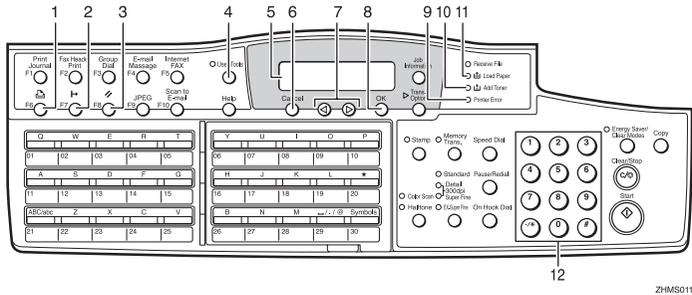
- **Alarm**
When the alarm indicator flashes, check the display and read the message to identify the problem (such as a paper jam or open cover).

- **Communicating**
Lights during fax transmission or reception.

13. Number keys

Use to enter the desired number of data for selected modes.

◆ **Facsimile based duplex model**



1. [Printer Mode] Key

Press to use printer functions.

2. [On Line] key

Press this key to switch the printer between online and offline.

3. [Job Reset] key

When the printer is online, press this key to cancel any ongoing print job.

4. [User Tools] key

Press to change the default settings and conditions to meet your requirements.

5. Display panel

Shows operation status, error messages, and function menus.

6. [Cancel] key

Press to cancel an operation or return to the previous display.

7. [Navigation] key

Press to select an item on the panel display.

8. [OK] key

9. Printer Error indicator

Lights when an error occurred on the printer. Check the display and read the message to identify the problem.

10. Add Toner indicator

Blinks when toner is about to run out and lights continuously when toner has run out.

11. Load Paper indicator

Lights when a paper tray is empty or the paper tray is not fully inserted.

12. Number keys

Use to enter the desired number of data for selected modes.

Panel Display

The panel display shows operational status, error messages, and function menus.

Important

- Do not apply a strong shock or force of more than about 30N (about 3kgf) to the panel display or it may be damaged.

Online and Offline

Press the **[Printer Mode]** key on the control panel.

"Ready" appears on the panel display.



Ready

Online

When the machine is online, it can receive data from the computer.

Press the **[On Line]** key to switch the printer online. "Ready" appears on the panel display. Data In/Online or On Line indicator is on while the printer is online.



Ready

Offline

When the machine is offline, it cannot receive data from the computer.

Press the **[On Line]** key to switch the printer offline. "Offline" appears on the panel display. Data In/Online or On Line indicator is off while the printer is offline.

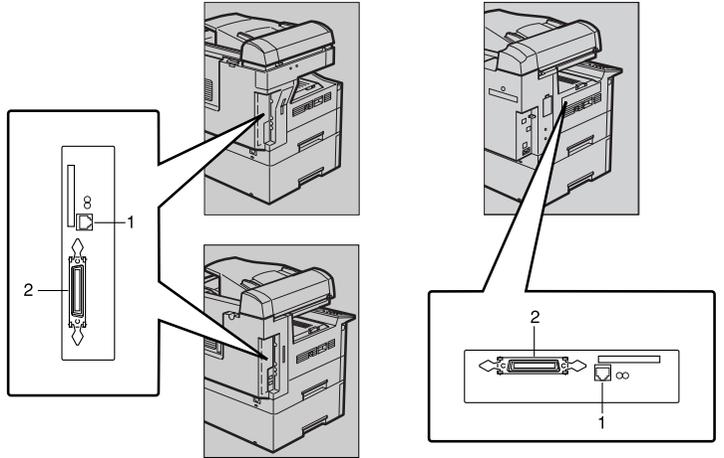


Offline

Connecting the Machine

1

Confirm that the shape and the position of the connector are as shown in the illustration.



ZFWH232E

1. 10BASE-T/100BASE-TX (option)

2. Parallel Port

Requirements

Requirements

Before using this machine, confirm that all the environmental and electrical requirements have been met. Connect the machine to the computer using the parallel port, optional Network Interface Board Type 1018, or both.

Confirm that all the cables, connectors, and electrical outlets necessary to attach the machine to the computer or network.

Important

- The interface cable is not supplied in the box. It is your responsibility to provide the interface cable appropriate for the computer that you are using.

Reference

For more information about using the parallel port, see p.13 "Parallel cable requirements".

For more information about using a network, see p.13 "Network cable requirements".

Network cable requirements

Optional Network Interface Board Type 1018 can be installed to allow direct connection to a network.

The optional Network Interface Board supports 10BASE-T or 100BASE-TX connections.

You can use the machine in the following network environments:

- Using the appropriate network management software and printer driver.
- Attaching the machine to a network (computer) set up as a server.

Client	Windows 95, 98, Me, Windows 2000, Windows XP, Windows NT 4.0, ^{*1} Mac OS or Mac OS X (Type 1018 PostScript level2 Compatible Kit is required)
Driver	PCL 6/5e, PS2
File Server	NetWare 3.x, NetWare 4.x, NetWare 5.x
Protocol	TCP/IP, IPX/SPX, AppleTalk

^{*1} Under Windows NT 4.0, only x 86 CPU is supported.

In a mixed network environment, the protocol switches automatically.

Reference

For more information about resolving network connection problems, see p.17 "Configuring the Printer for the Network".

Note

- Consult your network administrator before connecting the machine to a network.
- Be sure to use the interface cable with ferrite core for the connection to the computer (and/or HUB) in order to meet FCC and EMC Directive 89/336/EEC emission guidelines.

Parallel cable requirements

The machine's parallel interface is a standard bidirectional interface. It requires a standard 36-pin parallel cable compliant with IEEE 1284 and a parallel port available on the host computer.

This machine does not provide the parallel cable to connect the machine to the computer.

Note

- Do not use a parallel cable that is longer than 3 meters (10 feet).

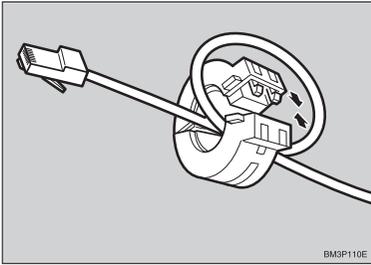
Connecting the Network Interface Cable to the Network

1

Connect the machine to the network using optional Network Interface Board Type 1018.

Follow these steps to connect the machine.

- 1** Confirm that you have the correct cable.
- 2** Confirm that the machine is turned off.
- 3** Loop the network cable. The loop should be about 15cm (6") from the end of the cable on the end closest to the printer.
- 4** Attach the ferrite core to the loop.



- 5** Attach the network cable to the 10BASE-T/100BASE-TX port on the machine.

Reference

See p.12 "Connecting the Machine" to confirm the position of the 10BASE-T/100BASE-TX port.

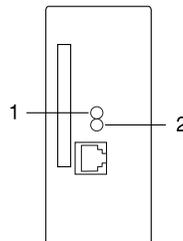
Note

- Confirm that the cable is connected to the 10BASE-T/100BASE-TX port.

- 6** Connect the other end of the cable to the network.

Indicators on the optional Network Interface Board

1



1. Indicator (green)

Is on when the power of the machine is on and on while the machine is in a network environment.

2. Indicator (orange)

Is blinking while the machine is receiving print jobs over the network environment and off when the print jobs have been sent to the controller.

Status page

The status page of Network Interface Board will be automatically printed in the following cases:

- when the printer is turned on.
- when Network Interface Board is reset.

This feature can be disabled with NIB Setup Tool which is included in the Smart-NetMonitor for Admin program folder.

To disable this feature, check **[Property Sheet]** in the "NIB Setup Tool" screen. Click **[Detailed...]** in the **[General]** tab and remove the check from the box for "Print configuration page on start up".

Connecting the Machine to the Host Using the Parallel Interface Cable

1

Connect the machine to the host computer using a parallel interface cable compliant with IEEE 1284 (supplied by you).

Follow these steps to connect the machine to the host computer.

- 1** Confirm that you have the correct cable.
- 2** Confirm that both the machine and a computer are turned off.
- 3** Plug the 36-pin end of the parallel cable into the parallel port at the right side of the back cover of the machine.

 **Reference**

See p.12 "Connecting the Machine" to confirm the position of the parallel port.

- 4** Squeeze the wire clips on each side of the connector together until they snap into place. The clips hold the cable securely in place.
- 5** Plug the other end of the parallel cable into the computer's parallel port.

2. Configuring the Printer for the Network

Configuring the Printer for the Network with the Control Panel

After installing the optional Network Interface Board, configure it for the network using the machine's control panel.

If you use TCP/IP, you should assign the IP Address and Subnet Mask. You can also set the Gateway Address using the machine's control panel.

Note

- When you turn the machine's power switch on, it may take a few minutes to initialize the optional Network Interface Board. If the "2. Network Setup" in the following step **4** is shaded, wait for a few minutes.

Reference

For more information about using this machine as a network printer, see the "Network Interface Board Quick Configuration Guide" which is provided as a PDF file on the CD-ROM labeled "Operating Instructions for Printer".

- 1** Press the **[User Tools/Counter]** or **[User Tools]** key.

The key is differ depending on the machine. Confirm that which type of machine you have.

- 2** Press the **⏪** or **⏩** key to display "Printer Features".

- 3** Press the **[OK]** key.

The following screen appears on the panel display.



Printer Features:
1. Job Control

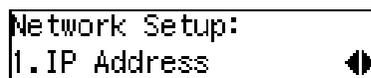
- 4** Press the **⏪** or **⏩** key until the following message appears on the panel display.



Printer Features:
2. Network Setup

- 5** Press the **[OK]** key.

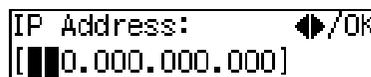
The following screen appears on the panel display.



Network Setup:
1. IP Address

- 6** Press the **[OK]** key.

The following screen appears on the panel display.



IP Address: [0.000.000.000]

- 7** Set the IP Address with the **⏪** or **⏩** key and the number keys.

Note

- To get the IP Address for the printer, contact your network administrator.

Configuring the Printer for the Network

2

- ① Type the first three digits of the IP Address, and the pointer moves to the next entry field automatically.

 **Note**

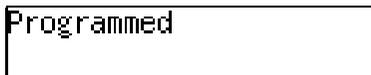
-  key : Press to go to the next entry field.
 -  key : Press to go back to the previous entry field.
- The following screen appears on the panel display.



Repeat these procedures to complete the IP Address setting.

 **Note**

- [OK]**: Press to set the new settings and return to the previous menu.
 - [Cancel]**: Press to return to the previous menu without changing any data.
- ② Press the **[OK]** key.
The following screen appears on the panel display for two seconds.



The setting of the IP Address is completed. Then return to the previous screen.

- 8** Press the  or  key to display "Subnet Mask" and "Gateway Address", then set "Subnet Mask" and "Gateway Address" following the same procedure for setting the IP Address, if necessary.

 **Address**

◆ **Subnet Mask**

A number used to mathematically "mask" or hide an IP Address on the network by eliminating those parts of the address that are alike for all the machines on the network.

◆ **Gateway Address**

A gateway is a connection or interchange point that connects two networks. A gateway address is for the router or host computer used as a gateway.

 **Note**

- To get the addresses, contact your network administrator.

3. Installing the Printer Driver and Software

This manual assumes that you are familiar with general Windows procedures and practices. If you are not, see the documentation that comes with Windows for details.

Installation Method

The following table shows how to install the printer drivers and software.

	Auto Run ^{*1}		
	Quick Install		Custom installation ^{*2}
	Network connection with TCP/IP	Parallel connection	
PCL 6 printer driver	○	○	○
PCL 5e printer driver			○
PostScript printer driver			○
Agfa Monotype Font Manager 2000			○
SmartNetMonitor for Admin			○
SmartNetMonitor for Client	○		○

^{*1} Available operating systems are as follows: Windows 95/98/Me, Windows 2000, Windows XP, Windows NT 4.0

^{*2} Using custom installation, you can install various software separately.

Reference

For more information about the printer drivers, see p.5 "Printer Drivers for This Machine". For installing the printer drivers, see p.22 "Installing the PCL 6/5e Printer Driver" or p.24 "Installing the PostScript Printer Driver".

For more information about the software and utilities, see p.7 "Software and Utilities provided on the CD-ROM".

Important

- Before starting this installation, close all documents and applications. In a network environment, confirm that users who are logged on are disconnected. Be sure to do this when it will create the least interference with other users.
- After installing a printer driver, you must restart the computer.

Note

- If the "plug and play" function is started, click **[Cancel]** in the **[New Hardware Found]**, **[Device Driver Wizard]** or **[Found New Hardware Wizard]** dialog box, and then insert the CD-ROM. The **[New Hardware Found]**, **[Device Driver Wizard]** or **[Found New Hardware Wizard]** dialog box appears depending on the system version of the Windows 95/98/Me, Windows 2000, Windows XP.

Quick Install

Auto Run starts the installer automatically when you load the CD-ROM in the CD-ROM drive. By selecting Quick Install, you can install the necessary software easily.

TCP/IP requires the following:

- This machine must be connected to the network through the network interface cable.
- This machine must be turned on.
- The TCP/IP protocol must be configured.
- An IP address must be allocated to this machine and to the computer.

3

Limitation

- If your system is Windows 2000, Windows XP or Windows NT 4.0, installing a printer driver by Auto Run requires Administrators permission. When you install a printer driver by Auto Run, log on using an account that has Administrators permission.

Note

- Auto Run might not automatically work with certain OS settings. In this case, launch "Setup.exe" located on the CD-ROM root directory.

If you want to cancel Auto Run, hold down the **[SHIFT]** key (when your system is Windows 2000, hold down the left **[SHIFT]** key) while inserting the CD-ROM. Keep the **[SHIFT]** key held down until the computer has finished accessing the CD-ROM.

1 Close all applications that are running.

2 Insert the CD-ROM into the CD-ROM drive.

Auto Run will start the installer.

3 Select a language to change the interface language, and then click **[OK]**.

The following languages are available: Cestina (Czech), Dansk (Danish), Deutsch (German), English (English), Espanol (Spanish), Francais (French), Italiano (Italian), Magyar (Hungarian), Nederlands (Dutch), Norsk (Norwegian), Polski (Polish), Portugues (Portuguese), Suomi (Finnish), Svenska (Swedish)

Default interface language is English.

4 Select **[Quick Install]**.

5 The software license agreement appears in the **[License Agreement]** dialog box.

After reading through all of the contents, click **[I accept the agreement]** to agree with the License Agreement, and then click **[Next]**.

6 Click to select a model name you want to use when the "Select Printer" dialog box appears.

 **Note**

- For a network connection with TCP/IP, select the printer whose IP address is displayed in **[Connect To]**.
- For parallel connection, select the printer whose printer port is displayed in **[Connect To]**.

7 Click **[Install]**.

8 Follow the instructions on the screen.

 **Note**

- During installation in Windows 2000, the **[Digital Signature Not Found]** dialog box may appear. In this case, click **[Yes]** to continue the installation.
- During installation in Windows XP, the **[Hardware Installation]** dialog box may appear. In this case, click **[Continue Anyway]** to continue the installation.

A message prompting you to restart your computer may appear. To complete the installation, restart your computer.

Installing the PCL 6/5e Printer Driver

Installing the PCL 6/5e Printer Driver

Two kinds of PCL printer drivers, PCL 6 and PCL 5e, are provided with this printer. We recommend PCL 6 as your first choice.

Limitation

- 3** If your system is Windows 2000, Windows XP or Windows NT 4.0, installing a printer driver by Auto Run requires Administrators permission. When you install a printer driver by Auto Run, log on using an account that has Administrators permission.

Important

- When updating the printer driver by installing the latest version, you should uninstall that of former version if any. See "Uninstalling the Printer Driver and Software" in Printer Reference 2.

1 Close all applications that are running.

2 Insert the CD-ROM into the CD-ROM drive.

Auto Run will start the installer.

3 Select a language to change the interface language, and then click **[OK]**.

The following languages are available: Cestina (Czech), Dansk (Danish), Deutsch (German), English (English), Espanol (Spanish), Francais (French), Italiano (Italian), Magyar (Hungarian), Nederlands (Dutch), Norsk (Norwegian), Polski (Polish), Portugues (Portuguese), Suomi (Finnish), Svenska (Swedish)

Default interface language is English.

4 Select **[PCL Printer Drivers]**.

5 The software license agreement appears in the **[License Agreement]** dialog box.

After reading through all of the contents, click **[I accept the agreement]** to agree with the License Agreement, and then click **[Next]**.

6 Select the printer driver you want to install when the "Select Program" dialog box appears.

7 Follow the instructions on the screen.

Note

- During installation in Windows 2000, the **[Digital Signature Not Found]** dialog box may appear. In this case, click **[Yes]** to continue the installation.
- During installation in Windows XP, the **[Hardware Installation]** dialog box may appear. In this case, click **[Continue Anyway]** to continue the installation.

Setting up options

Important

- If the printer is equipped with certain options (e.g. the Paper Feed Unit or the Memory Unit), you should set up the options with the printer driver.

Limitation

- In Windows 2000 or Windows XP, changing the printer settings requires Manage Printers permission. Members of the Administrators and Power Users groups have Manage Printers permission by default. When you set up options, log on using an account that has Manage Printers permission.
- In Windows NT4.0, changing the setting of the printer requires Full Control access permission. Members of the Administrators, Server Operators, Print Operators, and Power Users groups have Full Control permission by default. When you set up options, log on using an account that has Full Control permission.

Note

- When setting up options, you should access the Printer Properties dialog box from Windows. You cannot set up options by accessing the Printer Properties dialog box from an application.

1 Click **[Start]** on the taskbar, point to **[Settings]**, and then click **[Printers]**.

The **[Printers]** window appears.

Note

- With Windows XP, access the **[Printers and Faxes]** window from **[Start]** on the taskbar.

2 Click to select the icon of the printer you want to use.

3 On the **[File]** menu, click **[Properties]**.

The Printer Properties appear.

4 Click the **[Accessories]** tab.

5 Select options you have installed from the **[Options]** group.

6 Click **[OK]**.

Installing the PostScript Printer Driver

This section describes basic instructions for installing the PostScript printer driver. The actual procedure may differ depending on the operating system. Follow the appropriate procedures below.

Important

- When updating the printer driver by installing the latest version, you should uninstall that of former version if any. See "Uninstalling the Printer Driver and Software" in Printer Reference 2.

3

Windows 95/98/Me - Installing the PostScript Printer Driver

Installing the printer driver

1 Close all applications that are running.

2 Insert the CD-ROM into the CD-ROM drive.

Auto Run will start the installer.

3 Select a language to change the interface language, and then click [OK].

The following languages are available: Cestina (Czech), Dansk (Danish), Deutsch (German), English (English), Espanol (Spanish), Francais (French), Italiano (Italian), Magyar (Hungarian), Nederlands (Dutch), Norsk (Norwegian), Polski (Polish), Portugues (Portuguese), Suomi (Finnish), Svenska (Swedish)

Default interface language is English.

Note

- The printer driver with the selected language will be installed. The printer driver will be installed in English if you select the following languages: Cestina, Magyar, Polski, Portugues, Suomi

4 Select [PostScript level2 Compatible Printer Driver].

[Add Printer Wizard] starts.

5 Click [Next].

6 Check [Local Printer] and then click [Next].

A dialog box for selecting the printer appears.

7 Select the printer you want to use and then click [Next].

8 Follow the instructions on the screen.

Setting up options

Important

- If the printer is equipped with certain options (e.g. the Paper Feed Unit or the Memory Unit), you should set up the options with the printer driver.

1 Click **[Start]** on the taskbar, point to **[Settings]**, and then click **[Printers]**.

The **[Printers]** window appears.

2 Click to select the icon of the printer you want to use.

3 On the **[File]** menu, click **[Properties]**.

The Printer Properties appear.

4 Click the **[Accessories]** tab.

5 Select options you have installed from the **[Options]** group.

6 Click **[OK]**.

3

Windows 2000/Windows XP - Installing the PostScript Printer Driver

Installing the printer driver

Limitation

- Installing a printer driver requires Administrators permission. When you install a printer driver, log on using an account that has Administrators permission.

1 Close all applications that are running.

2 Insert the CD-ROM into the CD-ROM drive.

Auto Run will start the installer.

3 Select a language to change the interface language, and then click **[OK]**.

The following languages are available: Cestina (Czech), Dansk (Danish), Deutsch (German), English (English), Espanol (Spanish), Francais (French), Italiano (Italian), Magyar (Hungarian), Nederlands (Dutch), Norsk (Norwegian), Polski (Polish), Portugues (Portuguese), Suomi (Finnish), Svenska (Swedish)

Default interface language is English.

Note

- The printer driver with the selected language will be installed. The printer driver will be installed in English if you select the following languages: Cestina, Magyar, Polski, Portugues, Suomi

Installing the Printer Driver and Software

4 Select **[PostScript level2 Compatible Printer Driver]**.

[Add Printer Wizard] starts.

5 Click **[Next]**.**6** Check **[Local Printer]** and then click **[Next]**.

A dialog box for selecting the printer port appears.

 **Note**

- With Windows XP, click **[Local printer attached to this computer]**, and confirm that **[Automatically detect and install my Plug and Play printer]** is unchecked. And then click **[Next]**.

3**7** Select the check box of the port you want to use, and then click **[Next]**.

A dialog box for selecting the printer appears.

8 Select the printer you want to use and then click **[Next]**.**9** Follow the instructions on the screen. **Note**

- During installation, the **[Digital Signature Not Found]** dialog box may appear. In this case, click **[Yes]** to continue the installation.
- During installation in Windows XP, the **[Hardware Installation]** dialog box may appear. In this case, click **[Continue Anyway]** to continue the installation.

Setting up options **Important**

- If the printer is equipped with certain options (e.g. the Paper Feed Unit or the Memory Unit), you should set up the options with the printer driver.

 **Limitation**

- Changing the printer settings requires Manage Printers permission. Members of the Administrators and Power Users groups have Manage Printers permission by default. When you set up options, log on using an account that has Manage Printers permission.

1 Click **[Start]** on the taskbar, point to **[Settings]**, and then click **[Printers]**.

The **[Printers]** window appears.

 **Note**

- With Windows XP, access the **[Printers and Faxes]** window from **[Start]** on the taskbar.

2 Click to select the icon of the printer you want to use.

3 On the **[File]** menu, click **[Properties]**.

The Printer Properties appear.

4 Click the **[Accessories]** tab.**5** Click **[OK]**.

Windows NT 4.0 - Installing the PostScript Printer Driver

Installing the printer driver

3 **Limitation**

- Installing a printer driver requires Administrators permission. When you install a printer driver, log on using an account that has Administrators permission.

 **Important**

- The CD-ROM containing the Windows NT Server operating system version 4.0, or the Windows NT Workstation operating system is required for installing the printer driver.
- We recommend that you upgrade the Windows NT 4.0 operating system to Service Pack 4 or later before installing the printer driver. Contact your Windows retailer for more information about the latest version available.

1 Close all applications that are running.**2** Insert the CD-ROM into the CD-ROM drive.

Auto Run will start the installer.

3 Select a language to change the interface language, and then click **[OK]**.

The following languages are available: Cestina (Czech), Dansk (Danish), Deutsch (German), English (English), Espanol (Spanish), Francais (French), Italiano (Italian), Magyar (Hungarian), Nederlands (Dutch), Norsk (Norwegian), Polski (Polish), Portugues (Portuguese), Suomi (Finnish), Svenska (Swedish)

Default interface language is English.

 **Note**

- The printer driver with the selected language will be installed. The printer driver will be installed in English if you select the following languages: Cestina, Magyar, Polski, Portugues, Suomi

4 Select **[PostScript level2 Compatible Printer Driver]**.

[Add Printer Wizard] starts.

Installing the Printer Driver and Software

- 5** Click **[Next]**.
- 6** After confirming that the **[My Computer]** option is selected, click **[Next]**.
A dialog box for selecting the printer port appears.
- 7** Select the check box of the port you want to use, and then click **[Next]**.
A dialog box for selecting the printer appears.
- 8** Select the printer you want to use and then click **[Next]**.
- 9** Follow the instructions on the screen.

3

Setting up options

Limitation

- Changing the printer settings requires Manage Printers permission. Members of the Administrators and Power Users groups have Manage Printers permission by default. When you set up options, log on using an account that has Manage Printers permission.

Important

- If the printer is equipped with certain options (e.g. the Paper Feed Unit or the Memory Unit), you should set up the options with the printer driver.

- 1** Click **[Start]** on the taskbar, point to **[Settings]**, and then click **[Printers]**.

The **[Printers]** window appears.

- 2** Click to select the icon of the printer you want to use.

- 3** On the **[File]** menu, click **[Properties]**.

The Printer Properties appear.

- 4** Click the **[Accessories]** tab.

- 5** Select options you have installed from the **[Options]** group.

- 6** Click **[OK]**.

Using Adobe PageMaker Version 6.0, 6.5 or 7.0

If you use the machine under Windows 95/98/Me, Windows 2000/XP, or Windows NT 4.0 with Adobe PageMaker, you need to copy the PPD file to the PageMaker folder.

The PPD file is the file with extension “.ppd” in the folder “DRIVERS\PS\WIN9X_ME\ (Language)\DISK1\” on the CD-ROM.

The “WIN9X_ME” folder, inside the “PS” folder is for Windows 95/98/Me. Use the folder at a level appropriate for the operating system you are currently using. The third folder, “(Language)” may be substituted by an appropriate language name.

Copy the file with extension “.ppd” to the PageMaker folder.

- **For PageMaker 6.0 default installation**
The directory is “C:\PM6\RSRC\PPD4”.
- **For PageMaker 6.5 default installation**
The directory is “C:\PM65\RSRC\USENGLISH\PPD4”.
The “USENGLISH” may vary depending on your language selection.
- **For PageMaker 7.0 default installation**
The directory is “C:\PM7\RSRC\USENGLISH\PPD4”.
The “USENGLISH” may vary depending on your language selection.

 **Note**

- When using PageMaker, the optional features that can be selected by the printer driver will not be active. The following procedure describes how to activate the optional printer features.
 - ① On the [File] menu, click **[Print]**.
The **[Print Document]** dialogue box appears.
 - ② Make the necessary settings in the **[Features]** box.

Installing the SmartNetMonitor for Client/Admin

⚠ Limitation

- ❑ If your system is Windows 2000, Windows XP or Windows NT 4.0, installing software by Auto Run requires Administrators permission. When you install a printer driver by Auto Run, log on using an account that has Administrators permission.

3

1 Close all applications that are running.

2 Insert the CD-ROM into the CD-ROM drive.

Auto Run will start the installer.

3 Select a language to change the interface language, and then click **[OK]**.

The following languages are available: Cestina (Czech), Dansk (Danish), Deutsch (German), English (English), Espanol (Spanish), Francais (French), Italiano (Italian), Magyar (Hungarian), Nederlands (Dutch), Norsk (Norwegian), Polski (Polish), Portugues (Portuguese), Suomi (Finnish), Svenska (Swedish)

Default interface language is English.

4 Select **[SmartNetMonitor for Client / Admin]**.

5 The software license agreement appears in the **[License Agreement]** dialog box.

After reading through all of the contents, click **[I accept the agreement]** to agree with the License Agreement, and then click **[Next]**.

6 Select the program you want to install when the "Select Program" dialog box appears.

7 Follow the instructions on the screen.

Installing the Agfa Monotype Font Manager 2000

⚠ Limitation

- ❑ If your system is Windows 2000, Windows XP or Windows NT 4.0, installing software by Auto Run requires Administrators permission. When you install a printer driver by Auto Run, log on using an account that has Administrators permission.

1 Close all applications that are running.

2 Insert the CD-ROM into the CD-ROM drive.

Auto Run will start the installer.

3 Select a language to change the interface language, and then click [OK].

The following languages are available: Cestina (Czech), Dansk (Danish), Deutsch (German), English (English), Espanol (Spanish), Francais (French), Italiano (Italian), Magyar (Hungarian), Nederlands (Dutch), Norsk (Norwegian), Polski (Polish), Portugues (Portuguese), Suomi (Finnish), Svenska (Swedish)

Default interface language is English.

4 Select [Agfa Monotype Font Manager 2000].

5 Follow the instructions on the screen.

3

Macintosh

Mac OS - Installing the PPD File

You can use the LaserWriter printer driver that comes with a Macintosh when printing from a Macintosh. However, if you use the LaserWriter printer driver alone, you cannot use the printer specific functions. The printer specific functions can be used by installing the PPD file.

3**Note**

- The LaserWriter printer driver for a Macintosh does not come with this printer. Use the appropriate printer driver that comes with the Macintosh you are using.
- See the documentation that comes with the operating system for more information about the functions of the LaserWriter 8 printer driver.

Installing the PPD File

- 1** Start the Macintosh.
- 2** Double-click the icon of the hard disk to open it.
- 3** Open the [Extensions] folder inside the [System Folder] by double-clicking it.
- 4** Insert the CD-ROM into the CD-ROM drive.
The icon of the CD-ROM appears.
- 5** Double-click the CD-ROM icon.
The contents of the CD-ROM are displayed.
- 6** Double-click the [Mac OS 8 and 9] folder.
- 7** Double-click the folder of the language you use.
- 8** Drag the PPD file for the printer and drop it into the [Printer Descriptions] folder inside the [Extensions] folder on the Macintosh hard disk.
The PPD file is installed.
- 9** Drag the CD-ROM icon and drop it into [Trash] to eject the CD-ROM.
This completes PPD file installation.

Setting up the PPD file

Preparation

Confirm that the printer is connected to an AppleTalk network before performing the following procedure.

- 1** On the Apple menu, select **[Chooser]**.
- 2** Click the **[LaserWriter 8]** icon.
- 3** In the **[Select a PostScript Printer]** list, click to select the name of the printer you want to use.
- 4** Click **[Create]**.
- 5** Click to select the printer you want to use, and then click **[Select]**.

The PPD file is set up, and the LaserWriter 8 icon appears at the left of the printer name on the list. Next, follow the procedure on p.33 "Setting up options" to make the option settings, or close the **[Chooser]** dialog box.

Setting up options

- 1** On the Apple menu, select **[Chooser]**.
- 2** Click the **[LaserWriter 8]** icon.
- 3** In the **[Select the PostScript Printer]** list, click to select the name of the printer you want to use, and then click **[Setup]**.
- 4** Click **[Configure]**.

A list of options appears.
- 5** Select the option you want to set up and select the appropriate setting for it.
 -  **Note**
 - If the option you want to set up does not appear, the PPD file has not been set up correctly. Check the name of the PPD file shown in the dialog box.
- 6** Click **[OK]**.

The list of options closes.
- 7** Click **[OK]**.

The **[Chooser]** dialog box appears.
- 8** Close the **[Chooser]** dialog box.

Mac OS X - Installing the PPD File

It is necessary to install a PPD file to print from a Macintosh. Follow the procedures to install a PPD file on Macintosh running Mac OS X:

Preparation

You need an administrator name and a password (phrase). For more information, consult your administrator.

- 1** Insert the CD-ROM into the CD-ROM drive.
- 2** Double-click the CD-ROM icon.
- 3** Double-click the [Mac OS X] folder.
- 4** Double-click the [PPD Installer] folder, and then double-click the installer icon.
- 5** Follow the instructions on screen.

Setting Up the PPD File

- 1** Run Print Center.
- 2** Click [Add Printer].
 -  **Note**
 - Select [AppleTalk] in the first pop-up menu.
 - If the zone has been set, select the zone in the second pop-up menu.
- 3** Select the PPD file for the model you are using from the [Printer Model:] pop-up menu.
- 4** Click [Add].

Setting Up Options

-  **Limitation**
- You cannot make printer option settings in Mac OS X. Do not make settings for options that are not installed.

INDEX

10BASE-T/100BASE-TX, 12

A

Agfa Monotype Font Manager 2000, 7, 31

C

Cancel key
 Copier based model, 8
 Facsimile based model, 9
 Control Panel, 8
 Copier based model, 8
 Facsimile based duplex model, 10
 Facsimile based simplex model, 9

D

Display panel
 Copier based model, 8
 Facsimile based model, 9

G

Gateway Address, 18

I

Indicators, 8

J

Job Reset key
 Copier based model, 8
 Facsimile based model, 9

M

Mac OS X
 PostScript 3, installing, 34

N

Network Connections, 13
 Network Interface Cable, 14
 Number keys
 Copier based model, 9
 Facsimile based model, 10

O

Online and Offline, 11
 On Line key
 Copier based model, 9
 Facsimile based model, 9
 Operation switch, 9

P

PageMaker 6.0, 6.5 or 7.0, 29
 Panel Display, 11
 Parallel Cable, 13, 16
 Parallel Port, 12
 PCL 5e, 6
 Setting up options, 23
 Windows, installing, 22
 PCL 6, 6
 Setting up options, 23
 Windows, installing, 22
 PostScript, 6
 Macintosh, installing, 32
 Macintosh, Setting up options, 33
 Macintosh, Setting up the PPD file, 33
 PPD, 32
 Windows 2000/Windows XP, installing, 25
 Windows 2000/Windows XP, Setting up options, 26
 Windows 95/98/Me, installing, 24
 Windows 95/98/Me, Setting up options, 25
 Windows NT 4.0, installing, 27
 Windows NT 4.0, Setting up options, 28
 PostScript 3
 Mac OS X, installing, 34
 Printer Driver
 Install, 19
 printer driver, 5
 Printer Mode key
 Copier based model, 8
 Facsimile based model, 9

Q

Quick Install
 Printer driver and Software, 20

S

- SmartNetMonitor for Admin, 7, 30
- SmartNetMonitor for Client, 7, 30
- Software
 - Install*, 19
- Status Indicator, 10
- Subnet Mask, 18

U

- User Tools, 10
- User Tools/Counter key, 9

MEMO

MEMO