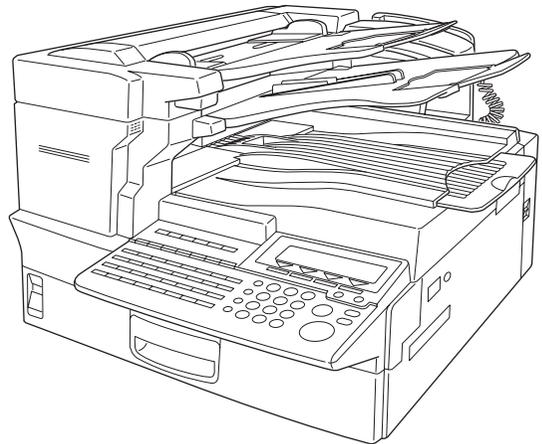




PRINTER I/F T500

OPERATING INSTRUCTIONS PRINTER REFERENCE (option)



Read this manual carefully before you use this product and keep it handy for future reference.

For safety, please follow the instructions in this manual.

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 read the Safety Information in the "Facsimile Operator's Manual" before using this machine. It contains important information related to USER SAFETY and PREVENTING EQUIPMENT PROBLEMS.

Important

Parts 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.

Note

The names of the applications do not appear in the following pages. Confirm which applications you will be using before reading this manual

Descriptions in this manual	Application
PRINTER MANAGER FOR ADMINISTRATOR	Aficio Manager for Admin
PRINTER MANAGER FOR CLIENT	Aficio Manager for Client

Trademarks

Microsoft® and Windows® are registered trademarks of Microsoft Corporation in the United States and/or other countries.

Ethernet® is a registered trademark of Xerox Corporation.

PCL® is a registered trademark of Hewlett-Packard Company.

AppleTalk is registered trademarks of Apple Computer, Incorporated.

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 might be slightly different from your machine.

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

How to Read this Manual

Symbols

In this manual, the following symbols are used:

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 operation panel.

Keys on the computer's keyboard.

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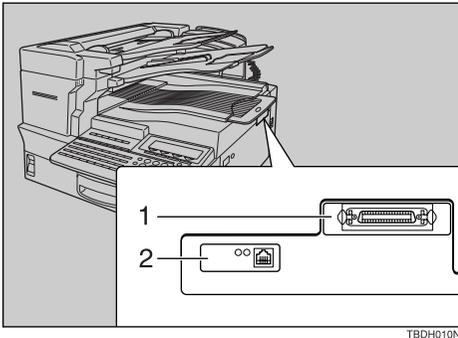
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1. Getting Started

Connecting the Machine

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



1. Parallel Port

2. 10BASE-T/100BASE-TX (option)

Requirements

Requirements

Before using this machine, confirm that all the environmental and electrical requirements have been met. Connect the machine to the host computer using the parallel port, optional Network Interface Board Type 2000, or both.

Confirm that all the cables, connectors and electrical outlets necessary to connect the machine to the host computer or network are present.

Reference

For more information on using the parallel port, see P.2 *“Connecting the Machine to the Host Using the Parallel Cable”*.

For more information on using a network, see P.2 *“Network connections”*.

Parallel cable requirements

Connect the machine to the host computer using a parallel port. This machine does not provide the parallel cable to connect the machine to the host computer.

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

 **Note**

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

Network connections

Optional Network Interface Board Type 2000 can be installed to allow direct connection to an Ethernet network.

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, NT 4.0 *1
Driver	PCL 6, PCL 5e
File Server	NetWare 3.x, NetWare 4.x
Protocol	IPX/SPX, TCP/IP

*1 Under Windows NT 4.0, only x86 based CPU is supported.

In a mixed network environment, the protocol switches automatically.

 **Reference**

For more information on installing Network Interface Board Type 2000, see the "Operating Instructions" that comes with it.

For more information on resolving network connection problems, see P.37 "Troubleshooting".

 **Note**

- Consult your network administrator before connecting the machine to a network.
- Network Interface Board Type 2000 does not support AppleTalk.

 **Important**

- Rating voltage of the 10BASE-T/100BASE-TX connector; Max. DC 5V.

Connecting the Machine to the Host Using the Parallel Cable

Connect the machine to the host computer using a parallel 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 the host 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.1 “Getting Started” to be sure of the position of the parallel port.

Important

- Rating voltage of the parallel interface connector for the computer; Max. DC 5V.

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

Connecting the Machine Using Network Interface Board Type 2000

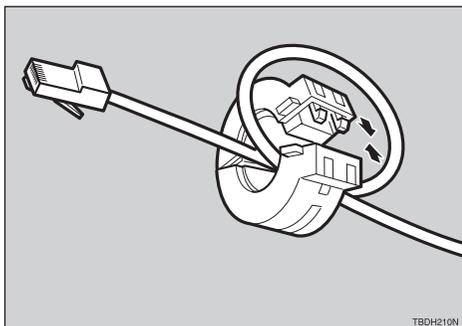
Connect the machine to the network using Network Interface Board Type 2000. Follow these steps to connect the machine.

- 1 Confirm that you have the correct cable.

Note

- In the case of a 100BASE-TX environment, properly shielded and grounded cable (STP) and connectors must be used for connections to the host computer (and/or peripheral) in order to meet FCC and EMC Directive 89/336/EEC emission limits.

- 2 Confirm that the machine is turned off.
- 3 Loop the network interface cable. The loop should be about 15 cm (6”) from the end of the cable on the end closest to the machine.
- 4 Attach the ferrite core to the loop.



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

Reference

See P.1 “Getting Started” to be sure of the position of the 10BASE-T/100BASE-TX port.

Note

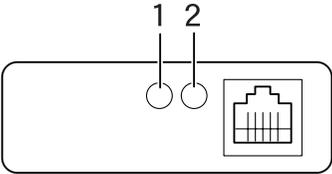
- Confirm that the cable is connected to the 10BASE-T/100BASE-TX port.
- Do not connect the cable to the Fax port.

Important

- Rating voltage of the 10BASE-T/100BASE-TX connector; Max. DC 5V.

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

Indicators on Network Interface Board



1. Indicator (green)

Staying on or blinking shows the operating condition of Network Interface Board.

Reference

For more information on the operating condition, see “Owner’s Manual” that comes with Network Interface Board.

2. Indicator (amber)

Blinks while Network Interface Board is working.

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 a computer.

❖ Time Saving

You can save time you spend on your print tasks.

- Printing Speed ^{*1}: 15 ppm

^{*1} For A4 , 8 1/2" x 11" , maximum printing speed from a standard paper tray.

❖ Network Connectivity

The machine is network ready with optional Network Interface Board.

❖ Major Specifications

Printing Speed	15 pages per minute ^{*1}
Maximum Print Quality	300 dpi ^{*2} , 600 dpi resolutions
Printer Language	PCL 5e, PCL 6 ^{*3}
Maximum Input Paper Size (Paper Tray and Bypass Tray)	A3, 11" x 17"
Standard Memory Size	8MB
Maximum Memory Size with Optional Memory	40MB ^{*4}

^{*1} A4 , 8 1/2" x 11" 

^{*2} 300 dpi is only supported by PCL 5e.

^{*3} Emulation

^{*4} Contact your sales or service representative if you want to install optional memory.

Printer Drivers for this Machine

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

	Printer Language	PCL 5e	PCL 6
Operating system			
Windows 95 ^{*1}		√	√
Windows 98 ^{*2}		√	√
Windows NT 4.0 ^{*3}		√	√

^{*1} Microsoft Windows 95 operating system

^{*2} Microsoft Windows 98 operating system

^{*3} Microsoft Windows NT Server operating system version 4.0, Microsoft Windows NT Workstation operating system version 4.0

❖ 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 included in the CD-ROM that comes with this printer option. We recommend PCL 6 as your first choice. However, 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.21 *“Windows 95/98 - Installing the PCL 6/5e Printer Driver”*

⇒ P.23 *“Windows NT 4.0 - Installing the PCL 6/5e Printer Driver”*

Software and Utilities Included in the CD-ROM

❖ Agfa Font Manager

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

❖ PRINTER MANAGER FOR ADMINISTRATOR

A utility for the system administrator to manage printers on the network.

Reference

For the name of the PRINTER MANAGER FOR ADMINISTRATOR, see the “Operating Instructions” for Network Interface Board which is in the CD-ROM that comes with this printer option.

See the PRINTER MANAGER FOR ADMINISTRATOR Online Help for more information on using the PRINTER MANAGER FOR ADMINISTRATOR.

❖ PRINTER MANAGER FOR CLIENT

A utility for users to manage their own print jobs on the network.

Reference

For the name of the PRINTER MANAGER FOR CLIENT, see the “Operating Instructions” for Network Interface Board which is in the CD-ROM that comes with this printer option.

See the Online Help of the PRINTER MANAGER FOR CLIENT for more information on using the PRINTER MANAGER FOR CLIENT.

❖ Acrobat Reader

A utility that allows you to read PDF (Portable Document Format).

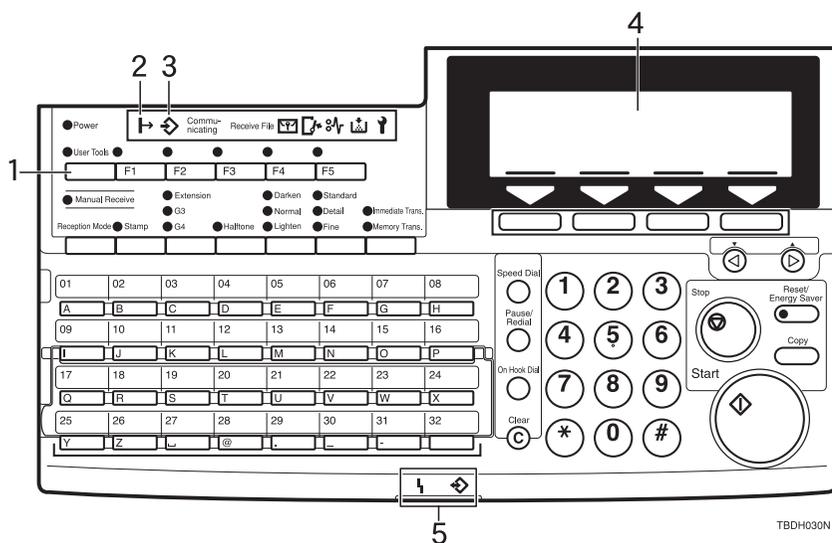
Note

Documentation on using the printer included on the CD-ROM in PDF format.

Guide to this Machine

Operation Panel

1



1. [User Tools] key

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

2. On Line Indicator

Is on while the printer is online.

3. Data In Indicator

Is on while the printer is receiving the data from the host computer and there is data to be printed.

4. Panel Display

Shows the current status of the machine, error messages and function menus.

5. Status Indicator

❖ Alarm

Blinks when an error has occurred. Check the panel display for details.

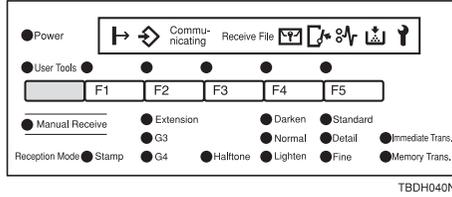
❖ Communicating

Blinks when the machine is printing. Is on during fax transmission or reception.

Panel Display

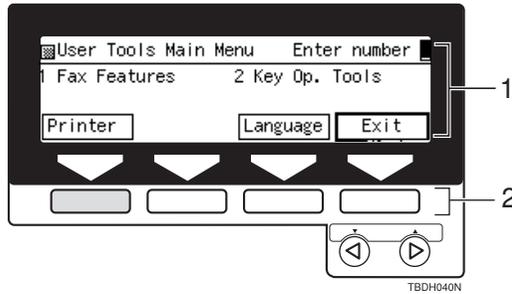
1

The panel display shows operational status, error messages and function menus. Press **[User Tools]** to change the printer mode.



Important

- ❑ Do not apply a strong shock or a force of about 30 N (about 3 kgf) or more to the panel display. Otherwise the display might be damaged.
- ❑ Pressing any operation key while the **Data In** indicator is on may cause data in the printer to be lost.



1. Operation or Error Messages appear.

2. These keys correspond to the keys that are in the bottom line of the display.

Note

- ❑ When a length of time passes and no key is pressed while doing the configuration using the operation panel, the previous display appears on the panel display.

Basic key Operations

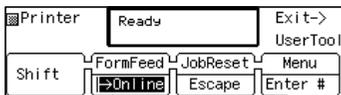
The following table describes basic key operations.

[Enter #] key	Press this key to set the function or numerical value. The previous display appears.
[Escape] key	Press this key to return to the previous condition on the panel display.
[▲][▼]	If all functions cannot be displayed, press these keys to switch to the previous or next page. Press these keys to increase or decrease values on the panel display when making settings.

Online and Offline

Online

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



1. [Job Reset] key

Press **[Shift]** and **[Job Reset]** at the same time when the printer is online to cancel the current print job.

2. [Online] key

Press this key to switch the printer between online and offline. The preceding illustration shows the online status. Also **On Line Indicator** is on while the printer is online.

Offline

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



1. [FormFeed] key

Press **[Shift]** and **[FormFeed]** at the same time when the printer is offline to print all the data left in the printer's input buffer.

2. [Online] key

Press this key to switch the printer between online and offline. The preceding illustration shows the offline status. Also **On Line Indicator** is off while the printer is offline.

Loading Paper in the Bypass Tray

This section describes how to load paper in the bypass tray, and also describes the type, size and feed direction of paper that can be loaded on the bypass tray.

Reference

For more information on the type, size, feed direction and maximum amount of paper that can be loaded into other paper trays in this machine, See the Facsimile Operator's Manual.

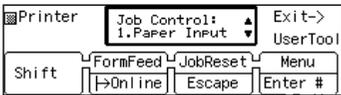
Loading paper in the Bypass Tray

Limitation

- Only one sheet of paper can be acceptable to load paper in the bypass tray.

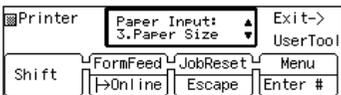
- Press [User Tools].
- Press [Printer].
- Press [Shift] and [Menu] at the same time to display "Job Control", and then press [Enter #].

The following message appears on the panel display.



- Press [▲] or [▼] to display "Paper Size", and then press [Enter #].

The following message appears on the panel display.



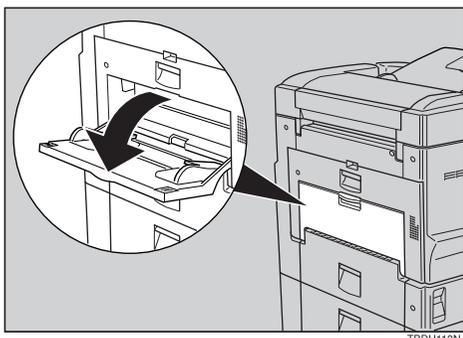
- Press [▲] or [▼] to display "Bypass Tray", and then press [Enter #].

The following message appears on the panel display.

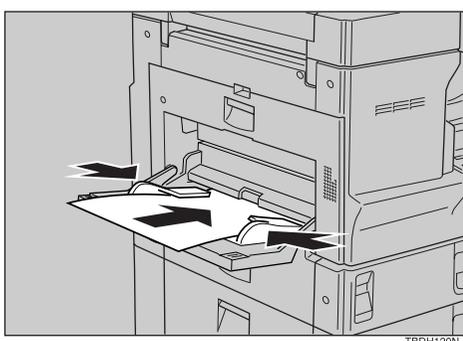


The name of paper size appears on the panel display and you can select it by pressing [▲] or [▼].

6 Open the Bypass Tray.



7 Slide and adjust the side guides to fit the paper, and load paper until it stops with the print side down.



Note

- Confirm that paper feed direction of the paper has the short edge of the paper entering the machine first.
- When the paper size is larger than A4 or 8¹/₂"×11", support the paper until it is fed into the machine.

Setting the custom paper size for the Bypass Tray

Note

- Custom paper size is supported only when the paper is loaded from the bypass tray.
- PCL 5e does not support custom paper size.

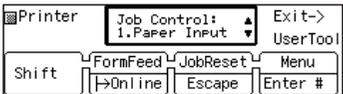
This table shows the paper size and custom paper size which you can load in the bypass tray.

Paper Size	Description
A3 (297 × 420)	A3
B4 JIS (257 × 364)	B4

Paper Size	Description
A4 (210 × 297)	A4
A4 (297 × 210)	A4
B5 JIS (182 × 257)	B5
B5 JIS(257 × 182)	B5
A5 (148 × 210)	A5
A5 (210 × 148)	A5
B6 JIS (182 × 128)	B6
11 × 17	11"×17"
8 1/2 × 14	8 1/2"×14"
8 1/2 × 11	8 1/2"×11" Letter
11 × 8 1/2	8 1/2"×11" Letter
7 1/4 × 10 1/2	7.25" × 10 1/2" Executive
10 1/2 × 7 1/4	7.25" × 10 1/2" Executive
5 1/2 × 8 1/2	5 1/2" × 8 1/2" Half Letter
8 1/4 × 13	8.25" × 13"
8 1/2 × 13	8.5" × 13"
8 × 13	8" × 13"
4 1/8 × 9 1/2	Com10 Env. (4.125" x 9.5")
3 7/8 × 7 1/2	Monarch Env. (3.875" × 7.5")
C6 Env. (114 × 162)	C6 Env. (114 × 162mm)
DL Env. (110 × 220)	DL Env. (110 × 220mm)
Custom Paper Size	Custom Paper Size Width: 3.875 to 11.69"/98.4 to 297mm Length: 5.83 to 17"/148 to 432mm

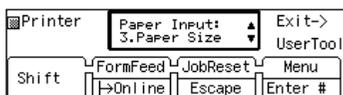
- 1** Press **[User Tools]**.
- 2** Press **[Printer]**.
- 3** Press **[Shift]** and **[Menu]** at the same time to display "Job Control", and then press **[Enter #]**.

The following message appears on the panel display.

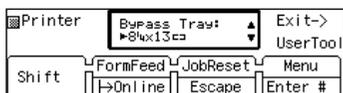


4 Press [▲] or [▼] to display “Paper Size”, and then press [Enter #].

The following message appears on the panel display.

**5** Press [▲] or [▼] to display “Bypass Tray”, and then press [Enter #].

The following message appears on the panel display.



The name of paper size appears on the panel display and you can select it by pressing [▲] or [▼].

**6** Press [Enter #].

Paper Recommendations

Note the following suggestions when handling or selecting paper used with this printer.

Paper weight

	Supported paper weight
Tray 1 ~ Tray 3	60 - 90 g/m ² (16 - 24 lb)
Bypass Tray	60 - 162 g/m ² (16 - 42 lb)

Loading paper

- Use only the recommended paper types. Print quality cannot be guaranteed if other paper types are used.
- Do not use paper that is already printed on.
- If you load paper into the paper tray, be sure not to stack over the limit mark.
- If you load paper onto Bypass Tray, confirm that paper fits under the side guides.
- If you load paper into the paper tray, confirm that the print side is facing *up*.
- If you load paper onto Bypass Tray, confirm that the print side is facing *down*.

Storing paper

Paper should always be stored properly. Improperly stored paper might result in poor print quality, paper misfeeds or printer damage.

Recommendations are as follows:

- Avoid storing paper in humid areas.
- Avoid exposing paper to direct sunlight.
- Store on a flat surface.
- Keep open reams of paper in the package in which the paper came.

Types of paper and other media

❖ Plain paper

- If you print on paper heavier than 90 g/m² (24 lb), use the bypass tray. The bypass tray can hold paper up to 162 g/m² (42 lb) in weight.
- If you load paper heavier than 155 g/m² (41 lb) onto the bypass tray, set the printer to Thick Paper mode using the operation panel. ⇒ P.47 *“Using the Operation Panel”*
- If paper is curled or bent, correct it before loading.

❖ OHP Transparencies

- Load only one OHP transparency at a time onto the bypass tray.
- When loading OHP transparencies onto the bypass tray, set the printer to Thick Paper mode using the operation panel. ⇒ P.47 *“Using the Operation Panel”*
- Be careful not to touch the print side of the OHP transparencies. Otherwise, the print side gets dirty or damaged, and results in poor print quality.
- When printing on an OHP transparency that has a print side, load it facing down onto the bypass tray.

❖ Translucent paper

- Load only a piece of translucent paper at a time onto the bypass tray.
- When printing on translucent paper that has a print side, load it facing down onto the bypass tray.

❖ Adhesive labels

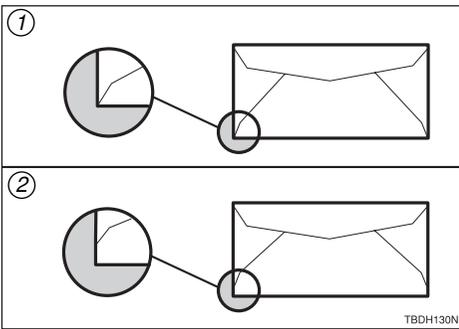
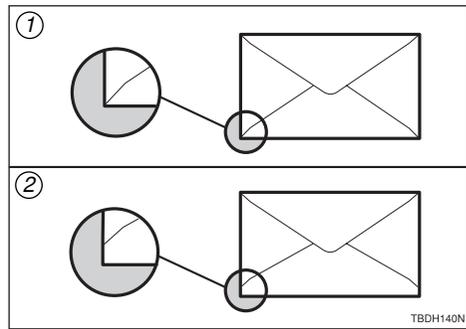
- Load only one adhesive label at a time onto the bypass tray.
- Use adhesive labels in which the whole side can be printed on.
- Avoid using adhesive labels having exposed glue.
- If the print side is coated, print quality might be reduced, as the toner might not fuse well.

❖ **Envelopes**

- When printing on envelopes, use the bypass tray.
- Specification of envelopes are as follows:

	Metric version	Inch version
Weight	72 – 90 g/m ²	19 – 24 lb
Recommended weight and size	72 g/m ² , 114 × 162 mm (C6 Env)	24 lb, 3 ⁷ / ₈ " × 7 ¹ / ₂ " (Monarch)

- You can load only one envelope (72 – 90 g/m², 19 – 24 lb) onto the bypass tray at a time. Confirm that the envelope is not damp.
- Confirm that the print side is facing down when loading onto the bypass tray.
- Confirm that there is no air in the envelope before loading.
- To get better print quality, it is recommended that you set the right, left, top, and bottom print margin, to at least 15 mm (0.6") each.
- Do not print on both sides of the envelope.
- Before loading envelopes, flatten the leading edges (side being fed into the printer) of them by running a pencil or ruler across them.
- Before loading envelopes, confirm that they are rectangular in shape. See the following illustrations.

Metric version	Inch version
	
<p>① Good construction for envelopes</p> <p>② Poor construction for envelopes</p>	<p>① Good construction for envelopes</p> <p>② Poor construction for envelopes</p>

- Avoid using the non-supported envelopes listed on P.16 *"Paper not supported by this printer"*.

Paper not supported by this printer

Avoid using the following types of paper that are not supported by this printer:

- Paper whose weight is heavier or lighter than the limitation. ⇒ P.13 “*Paper weight*”
- Bent, folded or creased paper
- Curled or twisted paper
- Torn paper
- Wrinkled paper
- Damp paper
- Paper stuck together
- Paper that is dry enough to emit static electricity
- Paper that has already been printed on except preprinted letterhead

 **Note**

- Ink on paper from an earlier print job, another copier, an inkjet printer or other device could damage the fusing unit of this printer due to a difference in fusing temperatures.
- Coated paper (except the recommended one)
- Special paper like thermal paper, aluminum foil, carbon paper and conductive paper
- Heavily textured paper
- Glued paper
- Label paper on which glue or base paper is exposed
- Paper with clips or staples
- Paper with tape or ribbons attached
- Envelopes in the following conditions
 - damp
 - excessively curled or twisted
 - stuck together
 - damaged in any way
 - with stamps attached
 - with windows, holes, perforations, cutouts or embossing
 - with metal clasps, string ties or metal folding bars
 - designed to be interlocked
 - with nicked edges of bent corners
 - with rough, cockle or laid finishes
 - with any exposed adhesive, when the flap is in the sealed or closed position

2. Configuring the Printer for the Network

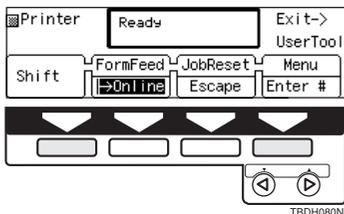
Configuring the Printer for the Network with the Operation Panel

Configure optional Network Interface Board for the network using the machine's operation panel.

1 Press **[User Tools]**.

2 Press **[Printer]**.

3 Press **[Shift]** and **[Menu]** at the same time.



The following message appears on the panel display.



4 Press **[▲]** or **[▼]** until the following message appears.



5 Press **[Enter #]**.

The following message appears on the panel display.



6 Press **[▲]** or **[▼]** until the following message appears.



7 Press **[Enter #]**.

The following message appears on the panel display.



8 Press **[Enter #]**.

The current IP address appears on the panel display. A pointer (■) blinks on the value to be set.



9 Set the first (leftmost) 3 digits of the IP address using **[▲]** or **[▼]**. Use **[▲]** to increase and **[▼]** to decrease values.



10 Press **[Enter #]**.

A pointer (■) moves to the second 3 digits.

Note

- Before pressing **[Enter #]**, you can return the pointer (■) to the previous (left) 3 digits by pressing **[Escape]**.

- If you press **[Escape]** when the pointer (■) is on the leftmost 3 digits, the selected IP address is canceled and you can return to the previous panel display.

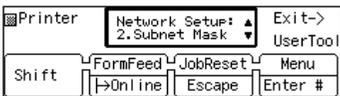
11 Repeat steps 9 and 10 to set the rest of the digits of the IP address.

12 Check if the pointer (■) is at the rightmost digit. Press **[Enter #]** to register the IP address you selected.

The following message appears on the panel display.

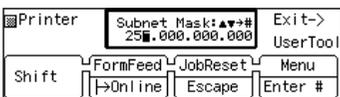


13 Press **[▲]** or **[▼]** until the following message appears.



14 Press **[Enter #]**.

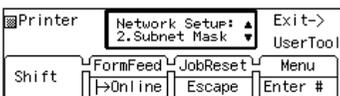
The current subnet mask appears on the panel display.



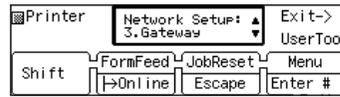
15 Set the subnet mask using the same procedure for selecting the IP address.

16 Check if the pointer (■) is at the rightmost digit. Press **[Enter #]** to register the subnet mask you selected.

The following message appears on the panel display.



17 Press **[▲]** or **[▼]** until the following message appears.



18 Press **[Enter #]**.

The current gateway address appears on the panel display.



19 Set the gateway address following the same procedure for setting the IP address.

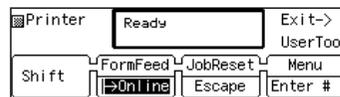
20 Check if the pointer (■) is at the rightmost digit. Press **[Enter #]** to register the gateway address you selected.

The following message appears on the panel display.



21 Press **[Online]**.

The "Ready" message appears on the panel display.



⚡ 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

All of the procedures in this manual assume that you are familiar with general Windows procedures and practices. If you are not, see the documentation that comes with Windows for details.

Installing the PCL 6/5e Printer Driver

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

We recommend PCL 6 as your first choice. However, some of your software might require the installation of PCL 5e printer driver. In this case, you can install PCL 5e in addition to PCL 6.

Important

- Do not have two versions of the same printer driver installed on your system at the same time. When updating a new version of the printer driver, delete the old version, and then install the new one.

Note

- Only PCL 5e supports 300 dpi.

Windows 95/98 - Installing the PCL 6/5e Printer Driver

Installing the printer driver

Follow these steps to install the PCL 6/5e printer driver on your Windows 95/98 system:

- 1** Insert the CD-ROM that comes with this printer option in the CD-ROM drive.
- 2** Close all applications that are currently running.
- 3** Click [Start] on the taskbar.
- 4** Click [Run].
- 5** In the [Run] window, click [Browse].
- 6** Select the CD-ROM drive.
- 7** Open the [PCL5E] or [PCL 6] folder.

- 8** Open the [WIN95_98] folder.
- 9** Open the folder of the appropriate language for your operating system.
- 10** Open the [DISK1] folder.
- 11** Select the [SETUP.EXE] file.
- 12** Click [Open].
- 13** Click [OK].
- 14** Follow the instructions on the screen.
- 15** If you are asked whether you want to restart Windows, select [Yes]. If you are not asked, restart Windows after completing the installation.
- 16** Click [Start] on the taskbar, point to [Setting], and then click [Printers].
The [Printers] window appears.
- 17** Select the icon of the printer you have installed by clicking it.
- 18** On the [File] menu, click [Properties].
- 19** On the [General] tab, click [Print Test Page].

 **Important**

- If the printer is equipped with certain options (ex. memory unit), you should set up the options with the printer driver.

Setting up options

 **Note**

- When setting up options, you should access the Printer Properties from Windows. You cannot access the Printer Properties from an application.
- 1** Click [Start] on the taskbar, point to [Settings], and then click [Printers].
The [Printers] window appears.
 - 2** Select the icon of the printer you want to use by clicking it.
 - 3** On the [File] menu, click [Properties].
The Printer Properties appears.
 - 4** Click the [Accessories] tab.
 - 5** Set up the options you have installed on the printer.
 - 6** Click [OK].

Windows NT 4.0 - Installing the PCL 6/5e Printer Driver

Installing the printer driver

Limitation

- Installing a printer driver requires Full Control access permission. Members of Administrators, Server Operators, and Power Users groups have Full Control permission by default. When you install a printer driver, log on using an account that has Full Control permission.

- 1** Insert the CD-ROM that comes with this printer option in the CD-ROM drive.
- 2** Close all applications that are currently running.
- 3** Click [Start] on the taskbar.
- 4** Click [Run].
- 5** In the [Run] window, click [Browse].
- 6** Select the CD-ROM drive.
- 7** Open the [PCL5E] or [PCL6] folder.
- 8** Open the [NT4] folder.
- 9** Open the folder of the appropriate language for your operating system.
- 10** Open the [DISK1] folder.
- 11** Select the [SETUP.EXE] file.
- 12** Click [Open].
- 13** Click [OK].
- 14** Follow the instructions on the screen.
- 15** If you are asked whether you want to restart Windows, select [Yes]. If you are not asked, restart Windows after completing the installation.
- 16** Click [Start] on the taskbar, point to [settings], and then click [Printers].
The [Printers] window appears.
- 17** Select the icon of the printer you have installed by clicking it.
- 18** On the [File] menu, click [Properties].

19 On the **[General]** tab, click **[Print Test Page]**.

Important

- If the printer is equipped with certain options (ex. memory unit), you should set up the options with the printer driver.

Setting up options

 **Note**

- When setting up options, you should access the **[Printer Properties]** tab from Windows. You cannot access the **[Printer Properties]** tab from an application.

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

The **[Printers]** window appears.

2 Select the icon of the printer you want to use by clicking it.

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

The Printer Properties appears.

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

5 Set up the options you have installed on the printer.

6 Click **[OK]**.

Installing the Font Manager

Printing under a Windows system using PCL 6 or PCL 5e requires installation of the Font Manager for the operating system. This section provides basic instructions for installing the Font Manager.

The actual procedure may differ depending on the operating system. Follow the appropriate procedure below.

Windows 95/98 - Installing the Font Manager

- 1** Insert the CD-ROM that comes with this printer option in the CD-ROM drive.
- 2** Close all applications that are currently running.
- 3** Click [Start] on the taskbar.
- 4** Click [Run].
- 5** In the [Run] window, click [Browse].
- 6** Select the CD-ROM drive.
- 7** Open the [FONTMAN] folder.
- 8** Select the [SETUP] file.
- 9** Click [Open].
- 10** Click [OK].
- 11** Follow the instructions on the screen.

Windows NT 4.0 - Installing the Font Manager

Limitation

- Installing a Font Manager requires Full Control access permission. Members of Administrators, Server Operators, Print Operators, and Power Users groups have Full Control permission by default. When you install a font manager, log on using an account that has Full Control permission.

- 1** Insert the CD-ROM that comes with this printer option in the CD-ROM drive.
- 2** Close all applications that are currently running.
- 3** Click [Start] on the taskbar.

- 4** Click [Run].
- 5** In the [Run] window, click [Browse].
- 6** Select the CD-ROM drive.
- 7** Open the [FONTMAN] folder.
- 8** Select the [SETUP] file.
- 9** Click [Open].
- 10** Click [OK].
- 11** Follow the instructions on the screen.

4. Uninstalling the Printer Driver and Software

Uninstalling the PCL 6/5e Printer Driver

This section provides basic instructions for uninstalling the printer driver. The actual procedure may differ depending on the operating system.

Follow the appropriate procedure below.

Windows 95/98 - Uninstalling the PCL 6/5e Printer Driver

Follow these steps to uninstall the printer driver.

- 1** Insert the CD-ROM that comes with this printer option in the CD-ROM drive.
- 2** Close all applications that are currently running.
- 3** Click [Start] on the taskbar.
- 4** Click [Run].
- 5** In the [Run] window, click [Browse].
- 6** Select the CD-ROM drive.
- 7** Open the [PCL5E] or [PCL6] folder.
- 8** Open the [WIN95_98] folder.
- 9** Open the folder of the appropriate language for the operating system.
- 10** Open the [DISK1] folder.
- 11** Select the [UNSETUP.EXE] file.
- 12** Click [Open]
- 13** Click [OK].
- 14** Follow the instructions on the screen.
- 15** If you are asked whether you want to restart Windows, select [Yes]. If you are not asked, restart Windows after completing the uninstallation.

Windows NT 4.0 - Uninstalling the PCL 6/5e Printer Driver

Limitation

- Uninstalling a printer driver requires Full Control access permission. Members of Administrators, Server Operators, Print Operators, and Power Users groups have Full Control permission by default. When you uninstall a printer driver, log on using an account that has Full Control permission.

- 1** Insert the CD-ROM that comes with this printer option in the CD-ROM drive.
- 2** Close all applications that are currently running.
- 3** Click [Start] on the taskbar.
- 4** Click [Run].
- 5** In the [Run] window, click [Browse].
- 6** Select the CD-ROM drive.
- 7** Open the [PCL5E] or [PCL6] folder.
- 8** Open the [NT4] folder.
- 9** Open the folder of the appropriate language for the operating system.
- 10** Open the [DISK1] folder.
- 11** Select the [UNSETUP.EXE] file.
- 12** Click [Open]
- 13** Click [OK].
- 14** Follow the instructions on the screen.
- 15** If you are asked whether you want to restart Windows, select [Yes]. If you are not asked, restart Windows after completing the uninstallation.

Uninstalling the Font Manager

This section provides basic instructions for uninstalling the Font Manager. The actual procedure may differ depending on the operating system.

Follow one of the procedures below.

Windows 95/98 - Uninstalling the Font Manager

- 1** Click [Start] on the taskbar.
- 2** Point to [Settings] and click [Control panel].
- 3** Double-click the [Add/Remove Programs] icon.
- 4** Click [AGFA Font Manager] in the list box.
- 5** Click [Add/Remove].
A confirmation dialog box appears.
- 6** Click [Yes].
- 7** Follow the instructions on the screen.

Windows NT 4.0 - Uninstalling the Font Manager

Limitation

- Uninstalling a font manager 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 uninstall a font manager, log on using an account that has Full Control permission.

- 1** Click [Start] on the taskbar.
- 2** Point to [Settings] and click [Control panel].
- 3** Double-click the [Add/Remove Programs] icon.
- 4** Click [AGFA Font Manager] in the list box.
- 5** Click [Add/Remove].
A confirmation dialog box appears.
- 6** Click [Yes].
- 7** Follow the instructions on the screen.

5. Setting up the Printer Driver and Canceling a Print Job

PCL 6/5e - Accessing the Printer Properties

Windows 95/98 - Accessing the Printer Properties

There are two methods you can use to open the Printer Properties.

Making default printer settings

To make the default printer settings, first open the **[Printer Properties]** dialog box from the **[Printers]** window.

Note

- With some applications, the printer driver's settings are not used, and the application's own initial default settings are applied.

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

The **[Printers]** window appears.

2 Select the icon of the printer whose default settings you want to change by clicking it.

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

4 Make settings, and click **[OK]**.

Making printer settings from an application

To make the printer settings from an application, open the **[Printer Properties]** dialog box from that application. The following example describes how to make settings for the WordPad application that comes with Windows 95.

Note

- The actual procedure you should follow to open the **[Printer Properties]** dialog box may differ depending on the application. For more information, see the documentation that comes with the application you are using.
- With some applications, the printer driver's settings are not used, and the application's own initial default settings are applied.
- Any settings you make in the following procedure are valid for the current application only.

1 On the **[File]** menu, click **[Print]**.

The **[Print]** dialog box appears.

- 2** Select the printer you want to use from the [Name] list box, and then click [Properties].

The Printer Properties appears.

- 3** Make settings, and click [OK].

- 4** Click [OK] to start printing.

Windows NT 4.0 - Accessing the Printer Properties

Making default printer settings - Printer Properties

Limitation

- 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.

5

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

The [Printers] window appears.

- 2** Select the icon of the printer you want to use by clicking it.

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

The Printer Properties appears.

- 4** Make settings, and click [OK].

Note

- The settings you make here are used as the default settings for all applications.

Making default printer settings – Default Document Properties

Limitation

- 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.

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

The [Printers] window appears.

- 2** Select the icon of the printer you want to use by clicking it.

3 On the **[File]** menu, click **[Document Defaults]**.

The Default Document Properties appears.

4 Make settings, and click **[OK]**. **Note**

- The settings you make here are used as the default settings for all applications.

Making printer settings from an application

To make the printer settings from an application, open the **[Document Properties]** dialog box from that application. The following example describes how to make settings for the WordPad application that comes with Windows NT 4.0.

 **Note**

- The actual procedures you should follow to open the **[Document Properties]** dialog box may differ depending on the application. For more information, see the documentation that comes with the application you are using.
- With some applications, the printer driver's settings are not used, and the application's own initial default settings are applied.
- Any settings you make in the following procedure are valid for the current application only.

1 On the **[File]** menu, click **[Print]**.

The **[Print]** dialog box appears.

2 Select the printer you want to use from the **[Name]** list box, and then click **[Properties]**.

The Document Properties appears.

3 Make settings, and click **[OK]**.**4** Click **[OK]** to start printing.

Canceling a Print Job

Windows 95/98 - Canceling a Print Job

1 Double-click the printer icon on the Windows taskbar.

A window appears, showing all the print jobs that are currently queuing to be printed. Check the current status of the job you want to cancel.

2 Select the name of the job you want to cancel.

3 On the [Document] menu, click [Cancel Printing].

 **Note**

You can also open the print job queue window by double-clicking the printer icon in the [Printer] window.

4 Press [Shift] and [JobReset] at the same time on the machine's operation panel.

The message appears on the operation panel display indicating that the print job is being cancelled.

 **Important**

The preceding procedure cancels the print job that is being processed by the machine. In some cases, the machine may already be processing data for the next print job following the one currently being output. In such a case, the next print job is also canceled when you press [Shift] and [JobReset] at the same time.

When the machine is being shared by multiple computers, be careful not to accidentally cancel someone else's print job.

 **Note**

You cannot stop printing data that has already been processed internally by the machine. Because of this, printing may continue for a few pages after you press [Shift] and [JobReset] at the same time.

A print job that contains a large volume of data may take considerable time to stop.

Windows NT 4.0 - Canceling a Print Job

1 Double-click the printer icon on the Windows taskbar.

A window appears, showing all the print jobs that are currently queuing to be printed. Check the current status of the job you want to cancel.

2 Select the name of the job you want to cancel.

3 On the **[Document]** menu, click **[Cancel]**.

 **Note**

- You can also open the print job queue window by double-clicking the printer icon in the **[Printer]** window.

4 Press **[Shift]** and **[JobReset]** at the same time on the machine's operation panel.

The message appears on the operation panel display indicating that the print job is being cancelled.

 **Important**

- The preceding procedure cancels the print job that is being processed by the machine. In some cases, the machine may already be processing data for the next print job following the one currently being output. In such a case, the next print job is also canceled when you press **[Shift]** and **[JobReset]** at the same time.
- When the machine is being shared by multiple computers, be careful not to accidentally cancel someone else's print job.

 **Note**

- You cannot stop printing data that has already been processed internally by the machine. Because of this, printing may continue for a few pages after you press **[Shift]** and **[JobReset]** at the same time.
- A print job that contains a large volume of data may take considerable time to stop.

6. Troubleshooting

Error & Status Messages on the Operation Panel

Note

- If an error occurs, the “Check Printer” message appears on the panel display at first. Switch the machine to the printer mode so that following error messages appear on the panel display.

Important

- Do not turn off the power switch while the machine is transmitting data. Otherwise, the data will be deleted.
- When turning off the power switch, confirm that “100%” is displayed for the available memory on the panel display.

Messages	Description	Comments
Check paper Size Tray XX	The paper size setting of the tray differs from that of actual paper size in the tray.	<ul style="list-style-type: none">• Pull out the paper tray and insert it.• Press [Enter] and load the correct paper size into the tray.
Close Side Cover	The side cover is open.	Close the side cover.
Install Tray XX	The tray XX is not set correctly.	Set the tray correctly.

Messages	Description	Comments
<p>Load Bypass Tray {paper size}</p>	<p>There is no paper on the bypass tray.</p>	<p>Load {paper size} paper in the selected feed direction onto the bypass tray. Printing will not automatically resume if the paper size and direction setting is incorrect. There are 2 methods to resume printing.</p> <p>① Use the operation panel to set the correct size and direction of the paper in the bypass tray.</p> <p>② Press [Enter] to have printing begin, regardless of the size and direction of the paper in the bypass tray.</p> <p> Note</p> <p><input type="checkbox"/> When "Auto Select" is selected for the paper source using the printer driver, this message might appear when there is {paper size} paper in a different feed direction in any of the trays.</p> <p><input type="checkbox"/> The paper is printed in an incorrect format on the paper loaded on the bypass tray in the following cases:</p> <ul style="list-style-type: none"> • If you press [Enter] before loading the correct paper. • If the selected period of time has passed with the "Auto Continue" feature on. In these cases, you cannot continue printing due to a paper size error. You should take one of the following actions to clear this error: <ul style="list-style-type: none"> • Press [Enter]. ("Auto Continue" feature does not work with this error.) • Open and close one of the trays.
	<p>The actual size of paper loaded in the bypass tray does not match the size configured for the machine.</p>	

Messages	Description	Comments
Load Tray XX {paper size}	<p>The tray XX is empty.</p> <p>The actual size of paper loaded in the tray XX does not match the size configured for the machine.</p>	<p>Load {paper size} paper in the selected feed direction into tray XX. Printing will not automatically resume if the paper size and direction setting is incorrect. There are 2 methods to resume printing.</p> <ol style="list-style-type: none"> ① Use the operation panel to set the correct size and direction of the paper in the tray XX. ② Press [Enter] to have printing begin, regardless of the size and direction of the paper in the tray XX. <p> Note</p> <ul style="list-style-type: none"> <input type="checkbox"/> When "Auto Select" is selected for the paper source using the printer driver, this message might appear when there is {paper size} paper in a different direction in any of the trays. <input type="checkbox"/> The paper is printed in an incorrect format on the paper loaded in the tray XX in the following cases: <ul style="list-style-type: none"> • If you press [Enter] without loading the correct paper. • If the selected period of time has passed with the "Auto Continue" feature on. In these cases, you cannot continue printing due to a paper size error. You should take one of the following actions to clear this error: <ul style="list-style-type: none"> • Press [Enter] ("Auto Continue" feature does not work with this error.) • Open and close one of the trays.

Messages	Description	Comments
Memory overflow	There is not enough memory to print the data.	If the "Auto Continue" feature is on, press [Enter] to print out the data. To clear this message, change the print resolution from 600 dpi to 300 dpi, and try printing again. If the print result is not enhanced, you should increase the memory capacity. Contact your sales or service representative, if you want to install additional memory.
Print overrun	The data sent to the printer is too complex.	Press [Enter] to print out the data sent to the machine. If you do not want to lose any of the transferred data, set the "Page Protect" feature to "On", before printing the job. If you cannot clear this message, simplify the print job.  Note <input type="checkbox"/> Be sure to return the "Page Protect" feature to "Off" after the print job. With the "Page Protect" feature "On", the printer performance might be decreased.
Remove Misfeed Side Cover & Tray	There is a misfeed in the printer.	Remove the misfed paper.  Reference See Facsimile Operator's Manual.
Remove Misfeed Open Side Cover	There is a misfeed in the printer.	Remove the misfed paper.  Reference See Facsimile Operator's Manual.
Replace Fusing unit	The fusing unit is not set correctly.	Set the fusing unit correctly.  Reference See Facsimile Operator's Manual.

Messages	Description	Comments
Replace Toner Cartridge	The toner cartridge is not set correctly or toner is almost running out.	Set the toner cartridge correctly.
		Prepare a new toner cartridge. If the image density gets too light, replace the toner cartridge with a new one.  Reference See Facsimile Operator's Manual.
Reset Tray(s) Correctly	There is paper on the Bypass Tray when the machine receives the print job which selects another tray.	Remove the paper from the bypass tray. The printer will restart printing automatically.
Tray XX Add paper	Paper runs out in tray XX	Load paper.
Error SC_320	The toner cartridge may not be installed when the machine tries to start printing.	Open the side cover and check if the cartridge is installed. If not, install the cartridge. If the cartridge is installed, close the side cover and turn the machine's power switch off and on. Do not turn off the power switch while the machine is transmitting data, and confirm that "100%" is displayed for the available memory on the panel display. Otherwise, the data will be deleted. If the message appears again, contact your sales or service representative.
Error SC_###	An error has occurred in the optional Network Interface Board.	First, turn the machine's power switch off and on. Do not turn off the power switch while the machine is transmitting data, and confirm that "100%" is displayed for the available memory on the panel display. Otherwise, the data will be deleted. If the message appears again, call your sales or service representative.
	An error has occurred in the optional memory unit (SIMM).	
	An error has occurred in the printer.	

 **Note**

- If you cannot solve the problem by taking actions above, turn the power off and then on again. If this does not clear the error message, write down the error message, and contact your sales or service representative.

Machine Does not Print

Possible Cause	Solutions
Is the power on?	<p>Confirm that the cable is securely plugged into the power outlet and the machine.</p> <p>Turn on the machine's power switch.</p>
Does the On Line indicator stay on?	If not, press [Online] to light it up.
Does the Error indicator stay red?	Check the error message on the panel display and take the required action.
Is paper set?	Load paper into the paper tray or on the bypass tray.
Can you print a test page (configuration page)?	<p>If you cannot print a test page, it probably indicates machine's malfunction. You should contact your sales or service representative.</p> <p>If you can print a test page but cannot get the machine to print when you issue a print command from the computer, it probably means there is a problem with the computer.</p> <p>Note that large or complex data might take a long time to print.</p>
Is the interface cable between the printer and the computer connected securely?	Connect the interface cable properly. If there are any connectors or screws, confirm that they are fastened securely.
Are you using a correct interface cable?	<p>The type of interface cable you should use depends on the computer. Be sure to use the correct one.</p> <p>If the cable is damaged or worn, replace it with a new one.</p>

Possible Cause	Solutions
Is the Data In indicator blinking or lit after starting the print job?	<p>If not, the data is not being sent to the machine. Otherwise the machine may be resetting the print job because there was a long delay in receiving the data from the computer.</p> <ul style="list-style-type: none"> ❖ If the printer is using "I/O Timeout" Increase the value of the "I/O Timeout" setting in the "System" menu in "Job Control". ❖ If the printer is connected to the computer using the interface cable Confirm that the printer port settings are correct. For a parallel port connection, port LPT1 or LPT2 should be set. For more information on the printer port settings, see the Note after this table. ❖ Network Connection Contact your network administrator.

 **Note**

- **Windows 95/98**
 - ① Click **[Start]**, point to **[Settings]**, and then click **[Printers]**.
 - ② Select the icon of the printer by clicking it. Next, on the **[File]** menu, click **[Properties]**.
 - ③ Click the **[Details]** tab.
 - ④ Check the **[Print to the following port]** box to confirm that the correct port is selected.
- **Windows NT 4.0**
 - ① Click **[Start]**, point to **[Settings]**, and then click **[Printers]**.
 - ② Select the icon of the printer by clicking it. Next, on the **[File]** menu, click **[Properties]**.
 - ③ Click the **[Port]** tab.
 - ④ Check the **[Print to the following port]** box to confirm that the correct port is selected.

Other Printing Problems

Status	Possible Causes, Descriptions, and Solutions
The printed side gets dirty.	Adjust the image density properly.
	If paper is curled, correct it.
	<p>Check if the size selected with the dial matches that selected with the operation panel. If not, select the correct size that meets the size and feed direction loaded in the tray.</p> <p>If you print something after printing on the paper whose size is smaller than the actual document size, the back of the next output might get dirty.</p>
Image quality varies when printing on thick paper or on OHP transparencies.	<p>Set to Thick Paper mode.</p> <ul style="list-style-type: none"> • When toner is not fused enough, set it to "On". • When the image is blurred, set it to "----"
Some parts of the print image are not clear.	Set the image density to darker.
	If Toner Saving mode is selected using the operation panel, the whole image gets lighter.
The print image is not clear.	Due to a sudden change in temperature, the machine might get condensation inside, which can reduce the print quality. If this occurs when you move the machine from a cold room to a warmer room, wait until the machine gets used to the temperature.
Nothing is printed on the paper.	<p>Check if the tape of the toner cassette is completely removed. Be sure to remove the tape completely when replacing the toner cassette.</p> <p> Reference See Facsimile Operator's Manual.</p> <p> Note</p> <p><input type="checkbox"/> If the machine's power switch is turned on while the tape is still on, the machine might be damaged.</p>
Multiple pages are fed through the machine at once.	<p>Clean the friction pad, if it is dirty.</p> <p> Reference See Facsimile Operator's Manual.</p>
	Remove all paper from the tray and fan it gently to get air between the paper. After that, load it back into the tray.
The image is printed on the reverse side of the paper.	Set the paper upside down.

6

Status	Possible Causes, Descriptions, and Solutions
Paper misfeeds occur frequently.	<p>Check the paper size settings. The size selected with the paper size dial might be different from the actual paper size. Make the correct dial setting.</p> <p> Reference See Facsimile Operator's Manual.</p>
	<p>Use the recommended paper. Avoid using curled, folded, or wrinkled paper, perforated paper, or glossy paper.</p> <p> Reference See Facsimile Operator's Manual.</p>
	<p>Clean the registration roller, if it is dirty.</p> <p> Reference See Facsimile Operator's Manual.</p>
The operation panel error message stays on even after removing the misfed paper.	Open the side cover of the machine and then close it.
The desired tray is not used for the output.	<p>Check the paper size settings. The size selected with the paper size dial might be different from the actual paper size. Make the correct dial setting.</p> <p> Reference See Facsimile Operator's Manual.</p>
	When using the bypass tray, select the paper size using the operation panel.
	When you are using a Windows operating system, the printer driver settings overrides those selected on the operation panel. Select the desired output tray using the printer driver. See the driver's online help file.
The print image is different from the image in the computer.	When you use some functions such as enlargement and reduction, the layout of the image might be different from those shown in the computer display.
The image is printed in the wrong orientation.	Set the correct orientation under the "PCL Menu" with the operation panel.⇒ P.47 "Using the Operation Panel"
A part of the image cannot be printed.	A paper size which is smaller than those selected in the application is used for printing. Load the correct size of paper. If you cannot select the paper size selected in the application, make use of the zooming functions.

Status	Possible Causes, Descriptions, and Solutions
<p>Network configurations you have made do not become effective.</p>	<p>Turn the power switch off and on. The configuration sheet of Network Interface Board will be printed automatically. Check the configuration of Network Interface Board with this sheet.</p> <p> Note</p> <p><input type="checkbox"/> Do not turn off the power switch while the machine is transmitting data. Otherwise, the data will be deleted.</p>
<p>It takes too much time to resume printing.</p>	<p>The data is so large or complex that it takes time to process it. If the Data In indicator is blinking, the data processing is being done. Just wait until it resumes.</p> <p>Energy Saver mode might be enabled. In Energy Saver mode, it takes time for the machine to warm up.</p> <p>Night Timer mode might be enabled. In Night Timer mode, the machine will not start printing until the machine exits Night Timer mode. To exit this mode manually, press [Reset/Energy Saver], and wait until printing resumes.</p>
<p>You cannot cancel a print job even after you have done the cancellation.</p>	<p>Select the printer mode on the operation panel. Press [Stop] for 3 seconds until you hear a beep. Follow the instructions given in the operation panel.</p> <p> Important</p> <p><input type="checkbox"/> Select the printer mode before pressing [Stop], or you might accidentally delete some fax data.</p>

7. Using the Operation Panel

This section describes how to change the default settings to use the machine as a printer and provides information on the parameters included in each menu.

Adjusting Printer Features

Printer Features Menu

There are 4 menu items in the printer menu.

- Job Control
- Host Interface
- Maintenance
- List Print

Category	Function menu	
Job Control	Paper Input	Tray Priority
		Tray Locking
		Paper Size
		Thick Paper
	Print Quality	Edge Smoothing
		Resolution
		Image Density
		Toner Saving
	System	Copies
		I/O Timeout
		Energy Saver * ¹
		Auto Continue
		Page Protect
	PCL Menu	Orientation
		Form Length
		Font Source
		Font Number
		Font Height
		Font Pitch
	PS Menu * ²	Print PS Err. (Print PS Error)
Symbol Set		

Category	Function menu	
Host Interface	Printer Lang. (Printer Language)	
	Network Setup	IP Address
		Subnet Mask
		Gateway
Maintenance	System Reset	
	Menu Reset	
	Hex Dump	
	PM Clear	
List Print	Config. Page	
	PCL Font List	
	PS Font List ^{*3}	

*1 Energy Saver appears on the panel display, but it is not supported by the printer function. You can set Energy Saver mode by using the facsimile function.

*2 PS Menu appears on the panel display, but it is not supported.

*3 PS Font List appears on the panel display, but it is not supported. Do not print the PS Font List. ⇒ P.56 "List Print"

7

Accessing Printer Features

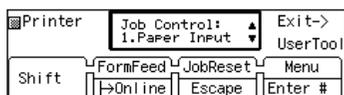
The following procedure shows how to set the "I/O Timeout" in the "Job Control" as an example of setting up printer features.

1 Press **[User Tools]**.

2 Press **[Printer]**.

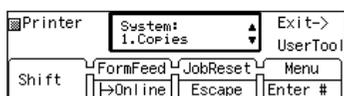
3 Press **[Shift]** and **[Menu]** at the same time to display "Job Control", and then press **[Enter #]**.

The following message appears on the panel display.

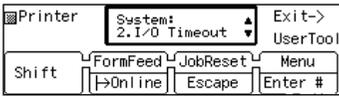


4 Press **[▲]** or **[▼]** to display "System", and then press **[Enter #]**.

The following message appears on the panel display.



- 5** Press [▲] or [▼] to display “I/O Timeout”, and then press [Enter #].



The following message appears on the panel display.

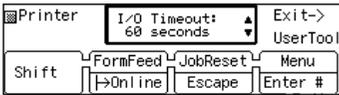


The numerical value appears on the panel display.

Note

- "▶" is displayed with the current setting.

- 6** Press [▲] or [▼] to select your desired value.



- 7** Press [Enter #].

Exiting from user tools

- 1** After changing the User Tools settings, go back to the User Tools main menu.

- 2** Press [User Tools].

Note

- You can also exit from the User Tools by pressing [Escape] on the User Tools main menu.

Printer Features Parameters

❖ Job Control

Menu	Description
Tray Priority	<p>You can select which tray should be searched first when "Auto Select" is selected in the Paper Source selections using the printer driver. In DOS printing, the tray selected here is used when no tray is selected for a print job.</p> <p>Bypass Tray, Tray 1, Tray 2 , Tray 3</p> <p> Note</p> <ul style="list-style-type: none"> <input type="checkbox"/> Default: <i>Tray 1</i> <input type="checkbox"/> Only the installed trays appear on the panel display. <input type="checkbox"/> It is recommended that you load paper set to the size and direction you frequently use in the tray assigned "Tray Priority".
Tray Locking	<p>If you use several different kinds of paper, you can lock a tray to prevent printing on wrong paper, such as letterhead or colored paper. When "Auto Select" is selected in the Paper Source selections using the printer driver, the locked tray will not be used.</p> <p>None , Bypass Tray, Tray 1, Tray 2, Tray 3</p> <p> Note</p> <ul style="list-style-type: none"> <input type="checkbox"/> Default: <i>None</i> <input type="checkbox"/> Only the installed trays appear on the panel display. <input type="checkbox"/> You cannot make multiple trays locked at once. <input type="checkbox"/> When "Auto Select" is selected without using the printer driver to select the paper size, the machine searches for a tray that has the same paper size as that of the priority tray. If the priority tray is locked, the machine searches for another tray that has the same paper size. <input type="checkbox"/> When a locked tray is selected using the printer driver, the machine does not search for any other trays.
Paper Size	<p>You should select the paper size for the bypass tray. ⇒ P.11 "Setting the custom paper size for the Bypass Tray"</p> <p>"✖" appears on the panel display, but it is not supported.</p> <p> Reference</p> <p>For more information on the paper size that can be set in tray 1, tray 2 and tray 3, see the Facsimile Operator's Manual.</p>

Menu	Description
Thick Paper	<p>You can enhance the image quality when printing on thick paper. When toner is not fused enough, set this function to "On". If the image is blurred, set it to "----" .</p> <ul style="list-style-type: none"> • Off • On • ---- <p> Note</p> <ul style="list-style-type: none"> <input type="checkbox"/> Default: <i>Off</i> <input type="checkbox"/> You do not have to set this function to "On" or "----" every time you use thick paper. Try printing with this function off, and if you want to enhance the image quality, adjust it using this function.

❖ Print Quality

Menu	Description
EdgeSmoothing	<p>You can select whether or not the Edge Smoothing is enabled.</p> <ul style="list-style-type: none"> • On • Off <p> Note</p> <ul style="list-style-type: none"> <input type="checkbox"/> Default: <i>On</i> <input type="checkbox"/> If the "Toner Saving" is "On", the "EdgeSmoothing" is ignored even if it is "On".
Resolution	<p>You can set the print resolution in dots per inch.</p> <ul style="list-style-type: none"> • 300 dpi (PCL 5e only) • 600 dpi (PCL 5e, PCL 6) • 1200 dpi <p> Note</p> <ul style="list-style-type: none"> <input type="checkbox"/> Default: <i>600 dpi</i> <input type="checkbox"/> The resolution set with the printer driver overrides the one set here. <input type="checkbox"/> 1200 dpi appears on the panel display, but it is not supported.
Image Density	<p>You can set the print image density.</p> <p>Very Light, Light, Normal, Dark, Very Dark</p> <p> Note</p> <ul style="list-style-type: none"> <input type="checkbox"/> Default: <i>Normal</i>

Menu	Description
Toner Saving	<p>You can enable Toner Saving.</p> <ul style="list-style-type: none"> • Off • On <p> Note</p> <ul style="list-style-type: none"> <input type="checkbox"/> Default: <i>Off</i> <input type="checkbox"/> If “Toner Saving” is “On”, “Edge Smoothing” is ignored even if it is “On”.

❖ System

Menu	Description
Copies	<p>You can set how many copies are printed.</p> <p>1- 999</p> <p> Note</p> <ul style="list-style-type: none"> <input type="checkbox"/> Default: <i>1</i>
I/O Timeout	<p>You can set the number of seconds the machine should wait before ending a print job. If data from other ports often appear in the middle of your print job, you should increase the timeout value.</p> <p>15 seconds , 30 seconds , 60 seconds , 180 seconds , 300 seconds</p> <p> Note</p> <ul style="list-style-type: none"> <input type="checkbox"/> Default: <i>30 seconds</i>
Energy Saver	<p>Energy Saver appears on the panel display, but it is not supported by the printer function. You can set Energy Saver mode by using the facsimile function.</p> <p> Reference</p> <p>See Facsimile Operator's Manual.</p>

Menu	Description
Auto Continue	<p>You can select whether or not "Auto Continue" is enabled. When it is set to "On", the printing continues even if the following error message appears on the display.</p> <p>"Load Tray XX {paper size}" / "Load Bypass Tray {paper size}" / "Print Overrun" / "Memory Overflow"</p> <ul style="list-style-type: none"> • On • Off <p> Note</p> <p><input type="checkbox"/> When it is "On", and a certain type of error occurs, the current job might be canceled, and the machine automatically resumes the next job.</p> <p><input type="checkbox"/> Default: <i>Off</i></p>
Page Protect	<p>When the "Print Overrun" message appears on the panel display, set this function to "On" and press [Enter] for all pages to be printed.</p> <ul style="list-style-type: none"> • Auto • On <p> Note</p> <p><input type="checkbox"/> Default: <i>Auto</i></p>

❖ PCL Menu

Menu	Description
Orientation	<p>You can select the page orientation.</p> <ul style="list-style-type: none"> • Portrait • Landscape <p> Note</p> <p><input type="checkbox"/> Default: <i>Portrait</i></p>
Form Length	<p>You can set the number of lines per page.</p> <p>5-128</p> <p> Note</p> <p><input type="checkbox"/> Default: <i>64</i></p>

Menu	Description
Font Source	<p>You can select the location of the default font.</p> <ul style="list-style-type: none"> • Internal • Download <p> Note</p> <ul style="list-style-type: none"> <input type="checkbox"/> Default: <i>Internal</i> <input type="checkbox"/> When you select "Download", you can select only downloaded fonts on the RAM.
Font Number	<p>You can set the value for the default font you want to use.</p> <ul style="list-style-type: none"> • 0 to 50 (for Internal) • 1 to 50 (for Download source) <p> Note</p> <ul style="list-style-type: none"> <input type="checkbox"/> Default: <i>0 (for Internal)</i>
Font Height	<p>You can set the value for the point size you want to use for the selected font.</p> <p>4.00 to 999.75 by 0.25</p> <p> Note</p> <ul style="list-style-type: none"> <input type="checkbox"/> Default: <i>12.00</i>
Font Pitch	<p>You can set the number of characters per inch you want to use for the selected font.</p> <p>0.44 to 99.99 by 0.01</p> <p> Note</p> <ul style="list-style-type: none"> <input type="checkbox"/> Default: <i>10.00</i>

❖ PS Menu

 **Note**

- PS Menu appears on the panel display, but it is not supported.

❖ Symbol Set

Menu	Description
Symbol Set	<p>You can select a set of print characters for the selected font. The available options are as follows:</p> <p>Roman8, ISO L1, ISO L2, ISO L5, ISO L6, PC-8, PC-8 dn, PC-850, PC-852, PC-8 tk, PC-775, PC-1004, Win L1, Win L2, Win L5, Win BALT, Desktop, PS Text, MS Publ, Math-8, PS Math, Pifont, Legal, ISO 4, ISO 6, ISO 11, ISO 15, ISO 17, ISO 21, ISO 60, ISO 69, Win 3.0, MS Text</p> <p> Note</p> <p><input type="checkbox"/> Default: <i>Roman8</i></p>

❖ Print Lang. (Print Language)

Menu	Description
Printer Lang. (Printer Language)	<p>You can select the printer language you want to use for the print jobs. When "Auto Sense" is selected, the machine will automatically switch from one language to the right one.</p> <ul style="list-style-type: none"> • Auto Sense • PCL • PS <p> Note</p> <p><input type="checkbox"/> Default: <i>Auto Sense</i></p> <p><input type="checkbox"/> PS appears on the panel display, but it is not supported.</p>

❖ Network Setup

Menu	Description
IP Address	<p>You can set the IP Address.</p> <p> Note</p> <p><input type="checkbox"/> Default: <i>All zero</i></p>
Subnet Mask	<p>You can set the Subnet Mask.</p> <p> Note</p> <p><input type="checkbox"/> Default: <i>255.000.000.000</i></p>
Gateway	<p>You can set the Gateway Address.</p> <p> Note</p> <p><input type="checkbox"/> Default: <i>All zero</i></p>

❖ Maintenance

Menu	Description
System	You can initialize this printer option.
Menu Reset	You can reset the menu settings of the printer function to the default settings.
Hex Dump	<p>You can use this to isolate the source of a print job problem. With this function “On”, all data sent to the machine is printed in hexadecimal and character representation.</p> <ul style="list-style-type: none"> • On • Off <p> Note</p> <p><input type="checkbox"/> Default: <i>Off</i></p>
PM Clear	PM Clear appears on the panel display, but it is not supported.

❖ List Print

Config. Page	You can print the current configuration of the machine.
PCL Font List	You can print a PCL font list.
PS Font List	The PS font list is not supported. Do not print the PS font list. Much meaningless data will be printed.

7

Printer Condition

We recommend that you print the configuration page and check its settings before changing the settings of the machine.

The following procedure describes how to print a "Config.Page".

- 1** Press **[User Tools]**.
- 2** Press **[Printer]**.
- 3** Press **[Shift]** and **[Menu]** at the same time to display “List Print”, and then press **[Enter #]**.

The following message appears on the panel display.



- 4** Press **[Enter #]**.

The following message appears on the panel display.



8. Appendix

Specifications

This section contains the electrical and hardware specifications for the machine, including the information on the options.

Component	Specification
Resolution	600 dpi; PCL5e, PCL6 300 dpi; PCL5e
Printing Speed	15 pages per minute (A4  , 8 ¹ / ₂ " × 11" )
Parallel Interface	IEEE1284  Note <input type="checkbox"/> Do not use a parallel cable longer than 3 meters (10 feet).
	Centronics: Bi-directional parallel port (IEEE 1284 compliant)
Page Description Language	PCL5e , PCL6
Fonts	35 Intellifonts, 10 True Type fonts, and 1 Bitmap font Font Manager available, plus 61 additional fonts
Memory	Standard: 8MB Optional SIMM module: Up to 40MB
Operating Systems supported by This Printer	Windows 95/98 Windows NT 4.0
Network (option)	Topology: Ethernet 10BASE-T/100BASE-TX
	Protocol: IPX/SPX, TCP/IP

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Note to users in the United States of America



Notice:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.



Warning

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.



Caution (in case of 100BASE-TX environment):

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

STP with ferrite core must be used for RF interference suppression.



Declaration of Conformity

Product Name:

Model Number: Printer I/F T500

Responsible party: Ricoh Corporation

Address: 5 Dedrick Place, West Caldwell, NJ 07006

Telephone number: 973-882-2000

This device complies with part 15 of FCC Rules.

Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. this device must accept any interference received, including interference that may cause undesired operation.

Note to users in Canada

.....
.....

Note:

This Class B digital apparatus complies with Canadian ICES-003.

.....

Remarque concernant les utilisateurs au Canada

.....
.....

Avertissement:

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

.....



Declaration of Conformity

“The Product complies with the requirements of the EMC Directive 89/336/EEC and the Low Voltage Directive 73/23/EEC.”

.....
.....

Caution (in case of 100BaseTX 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.

.....



PRINTER I/F T500 OPERATING INSTRUCTIONS

