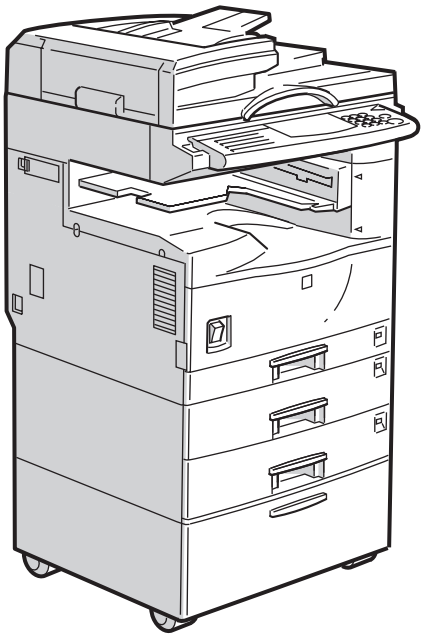
PRINTER Option Type 185

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 “Copy Reference” 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.

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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.

IPS-PRINT™ Printer Language Emulation© Copyright 1988 - 1999, XIONICS DOCUMENT TECHNOLOGIES, INC., All Rights Reserved.

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:

⚠ ***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 operation panel.

Keys on the computer's keyboard.

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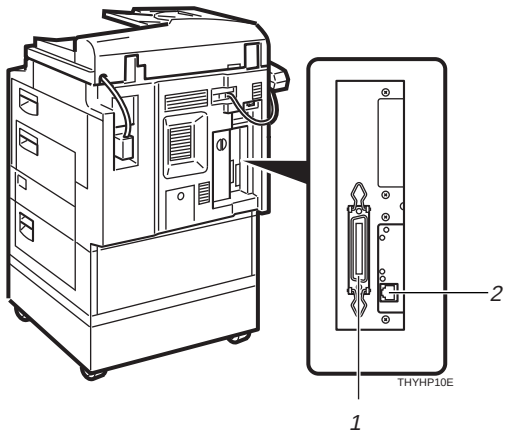
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Connecting the Machine

Make sure the shape and the position of the connector are as shown in the illustration.



1. **Parallel Port**

2. **10BASE-T/100BASE-TX**

Requirements

Requirements

Before using this machine, make sure that all the environmental and electrical requirements have been met. Connect the machine to your host computer using the parallel port, optional Network Interface Board Type 185, or both.

Make sure that all the cables, connectors, and electrical outlets necessary to attach the machine to your host computer or network are present.

Reference

For more information on using the parallel port, see P.3 *"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 your 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 that is longer than 3 meters (10 feet).

Network Connections

The optional Network Interface Board Type 185 can be installed to allow direct connection to an Ethernet network.

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

You can use the machine in the follows network environments:

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

Client	Windows 95, 98, NT 4.0 *1 , 3.1x, Macintosh (optional PostScript 3 Kit Type 185 is required)
Driver	PCL 6/5e , PostScript 3
File Server	NetWare 3.x, NetWare 4.x, NetWare 5
Protocol	IPX/SPX, TCP/IP, AppleTalk, NetBEUI *2

*1 With the Windows NT4.0 by the computer based x86 only.
*2 Under the Windows 95/98/NT4.0 only.

In a mixed network environment, the protocol switches automatically.

Reference

For more information on installing the Network Interface Board Type 185, see the operating instructions that comes with it.

For more information on resolving network connection problems, see P.43 *"Troubleshooting"*

Note

❒ Consult your network administrator before connecting your machine to a network.

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 your host computer:

1 Make sure you have the correct cable.

2 Make sure 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 *"Connecting the Machine"* to make sure of 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.

Connecting the Machine Using the Network Interface Board Type 185

Connect the machine to the network using the Network Interface Board Type 185.

Follow these steps to connect the machine.

1 Make sure you have the correct cable.

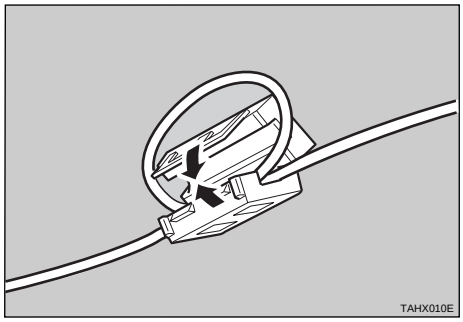
Note

❒ Under 100BASE-TX environment, properly shielded and grounded cable (STP) make sure to use for the connection to your host computer (and/or HUB) in order to meet FCC and EMC Directive 89/336/EEC emission limits.

2 Make sure the machine is turned off.

3 Loop the network interface cable. The loop should be about 10 cm (4") 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 interface cable to the 10BASE-T/100BASE-TX connector on the right side of the back cover of the machine.**

Reference

See P.1 *"Connecting the Machine"* to make sure of the position of the 10BASE-T/100BASE-TX port.

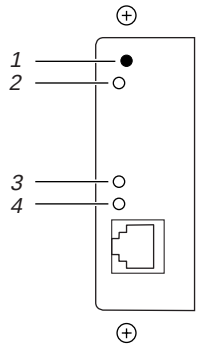
Note

❒ Make sure that the cable is connected to the 10BASE-T/100BASE-TX port.

❒ Do not connect the cable into the Fax port.

6 **Connect the other end of the cable into the network.**

Button and indicators on the network interface board



1. Button

Press this button for more than 2 seconds to print "Network Configuration Page". Press this button more than 5 seconds to print "System Log Information".

2. Indicator (orange)

Stays on while the network interface board is working.

3. Indicator (green)

Stays on while the 100BASE-TX is working. Stays off while 10BASE-T is working.

4. Indicator (green)

Stays on while the machine is in a network enviroment.

Features of this Machine

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

❖ Time Saving

You can save time you spend on your print tasks.

- Printing Speed [*1] : 18 ppm

[*1] A4⬓, 8 1/2" × 11"⬓, maximum printing speed from a standard paper tray.

❖ Compact Body

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

❖ Network Connectivity

Your printer is network ready with the optional network interface board.

❖ Proof Print

You can print a sample set to check and correct the settings before making a large print run.

❖ Major Specifications

Printing Speed	18 pages per minute [*1]
Maximum Print Quality	True 600 × 600dpi resolutions
Printer Language	PCL 5e, PCL 6 [*2] PostScript 3 [*3]
Maximum Input Paper Size (Paper Tray and Bypass Tray)	A3, 11" × 17"
Standard Memory Size	16MB
Maximum Memory Size with Optional Memory	80MB

[*1] A4⬓, 8 1/2" × 11"⬓
[*2] Emulations
[*3] Option

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 comes with this machine.

Printer Language / Operating system	PCL 5e	PCL 6	PostScript 3
Windows 95 *1	√	√	√ *6
Windows 98 *2	√	√	√ *6
Windows 3.1x *3	√	√	√
Windows NT4.0 *4	√	√	√ *6 *7
Macintosh *5			√ *7 *8

*1 Microsoft Windows 95 operating system
*2 Microsoft Windows 98 operating system
*3 Microsoft Windows for Workgroups operating system Version 3.11
*4 Microsoft Windows NT Server network operating system Version 4.0, Microsoft Windows NT Workstation operating system Version 4.0
*5 Required system is 7.1 or later operating system.
*6 Requires Service Pack 3 or later.
*7 Adobe PostScript Printer Driver and PostScript Printer Description (PPD) files are included in the CD-ROM.
*8 Required the optional Network Interface Board Type 185.

❖ 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 comes with this machine. We recommend the 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 the PCL 6.

⇒ P.19 *"Windows 95/98 - Installing the PCL 6/5e Printer Driver"*
⇒ P.19 *"Windows NT4.0 - Installing the PCL 6/5e Printer Driver"*
⇒ P.20 *"Windows 3.1x - Installing the PCL 6/5e Printer Driver"*

❖ Adobe PostScript Printer Drivers and PPD files

Adobe PostScript printer drivers and the PPD files are included in the CD-ROM comes with this machine. Adobe PostScript printer driver allows the computer to communicate with the printer via a printer language. And the PPD files allow the printer driver to enable the printer specific functions.

⇒ P.22 *"Windows 95/98 - Installing the PostScript Printer Driver"*
⇒ P.22 *"Windows NT4.0 - Installing the PostScript Printer Driver"*
⇒ P.23 *"Windows 3.1x - Installing the PostScript Printer Driver"*
⇒ P.24 *"Macintosh"*

Software and Utilities Included on 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 you use, see the Operating Instruction for the Network Interface Board which is on the CD-ROM that came with this machine.

See the PRINTER MANAGER FOR ADMINISTRATOR Online Help for details 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 you use, see the Operating Instruction for the Network Interface Board which included in the CD-ROM comes with this machine.

See the PRINTER MANAGER FOR CLIENT Online Help for details on using the PRINTER MANAGER FOR CLIENT.

❖ **Multi Direct Print**

A utility for printing on a "Peer-to-Peer" network.

Reference

For more information of the Multi Direct Print, see the Operating Instructions for Network Interface Board.

❖ **Acrobat Reader**

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

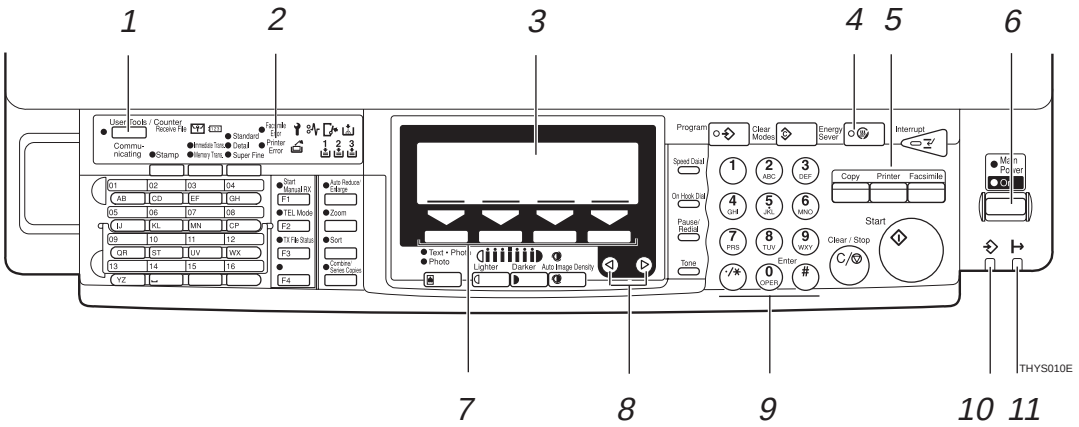
Note

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

Guide to this Machine

1

Operation Panel



1. 【User Tools】 key

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

2. Error Indicator

Lights up whenever a printer error occurs. A message describing the cause of the error also appears on the panel display.

3. Panel Display

Shows the operation status, error messages, and function menus.

4. 【Energy Saver】 key

Press this key for about 1 second to switch to and from Energy Saver mode.

5. Function keys

Press to change the functions (Copy, Printer, Facsimile) shown on the panel display. To use the printer function, press the 【Printer】 key.

6. Operation Switch

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

7. Selection keys

Press these keys to select the function on the panel display.

8. ◁▷ keys

9. Number keys

10. Data In indicator

Shows if a print job is being sent from the host computer.

If the indicator is blinking, a job is being sent.

If the indicator stays on the data is printing.

11. On Line indicator

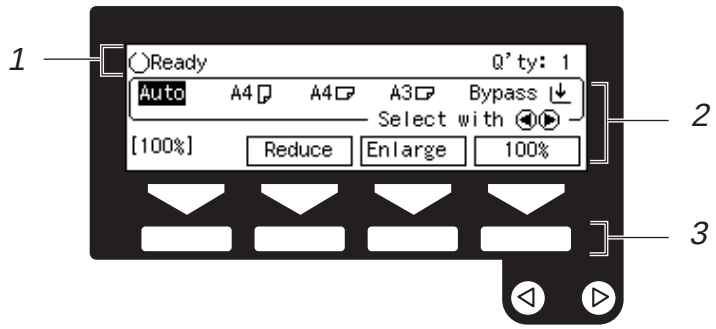
Stays on while the printer is online.

Panel Display

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

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.



1. **Operation and Error Messages appear.**

2. **Items which can be selected or specified.**

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

Note

❒ The selected item is highlighted on the panel display.

Basic key Operations

Following table shows basic key operations.

[Enter #] key	Press this key to set the function or numeric value, and the previous display appears.
[Escape] key	Press this key to cancel the function or numeric value, and the previous display appears.
[↑][↓]	If all functions cannot be displayed, press these keys to switch to the previous or next page. Increase or decrease the counter on the display panel.
[Cancel] key	Press this key to cancel the function and previous display appears.
[Exit]	Press this key to set the function or numeric value, and normal display screen appears.

Online and Offline

Online

Online is the state in which the printer can receive data from the computer.



1. [Job Reset] key

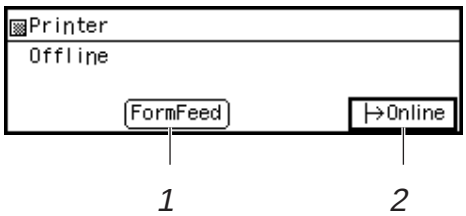
Press this key when the printer is online to cancel the current print job.

2. [Online] key

Press this key to change the online status, the printer offline conditions.

Offline

Offline is a state in which the printer cannot receive data from the computer.



1. [FormFeed] key

Press this key during when the printer is offline to print out all the data left in the printer's input buffer.

2. [Online] key

Press this key to change the online status, the printer offline conditions.

2. Configuring the Printer for the Network with the Operation Panel

Configuring the Printer for the Network with the Operation Panel

After installing the optional network interface board, configure it for the network using the printer's operation panel.

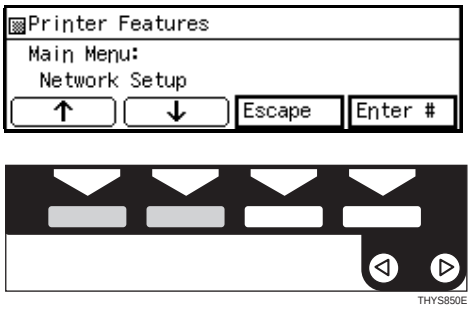
The following table shows the operation panel settings and their default settings. These are included in the "Main Menu".

Items		Default
32	IP Address	011.022.033.044
33	Subnet Mask	000.000.000.000
34	Gateway Address	000.000.000.000
35	Access Control (Access Control Address)	000.000.000.000
36	Access Mask (Access Control Mask)	000.000.000.000
37	Network Boot	None
38	Frame Type(NW) (Frame Type NetWare)	Auto Select
39	Active Protocol	All Active

1 **Press [User Tools].**

2 **Press [4] on the number keys.**

3 **Press [↑][↓] until the following message appears.**



4 **Press [Enter #].**

5 Select the protocol you want to use. You can select one of the items on the table below.

Menu item on the panel display	Active Protocol			
	TCP *1	NW *2	AT *3	NB *4
All Active (Default Setting)	✓	✓	✓	✓
None				
TCP/IP Only	✓			
NetWare Only		✓		
TCP/IP & NetW	✓	✓		
ATalk Only			✓	
TCP/IP & ATalk	✓		✓	
NetWare &ATalk		✓	✓	
TCP & ATK & NW	✓	✓	✓	
NetBEUI only				✓
TCP/IP & NB	✓			✓
NetBEUI&NetW		✓		✓
TCP & NB & NW	✓	✓		✓
NetBEUI & ATalk			✓	✓
TCP & NB & ATK	✓		✓	✓
NB & NW & ATalk		✓	✓	✓

- ✓ means that this protocol is active.
- Blank cell means that this protocol is not active.

*1 TCP/IP
*2 NetWare
*3 AppleTalk
*4 NetBEUI

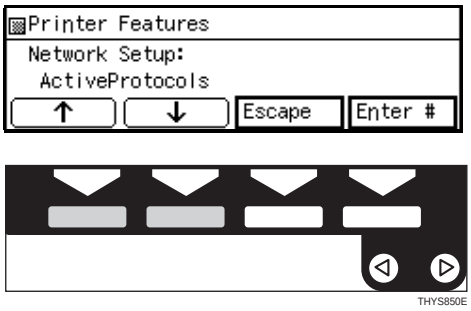
Note

❒ You should not select protocols that are not used on your network.

Limitation

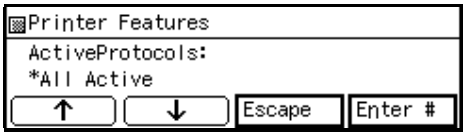
❒ If you want to select AppleTalk, you should install the optional PostScript 3 kit Type 185.

❶ Press [↑][↓] until the following message appears.



❷ Press [Enter #].

The current settings appear on the panel display.



❸ Press [↑][↓] until the protocol you want to use appears.

❹ Press [Enter #].

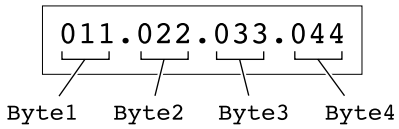
The actual procedure may differ somewhat depending on the protocol you use. Follow the appropriate procedure below.

TCP/IP	❻ ▶ ❼ ▶ ❽ ▶ ❾ ▶ ⓫
NetWare	❿ ▶ ⓫
AppleTalk	⓫
NetBEUI	⓫

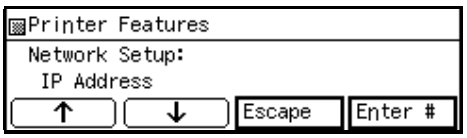
6 If you use TCP/IP, you should assign the IP Address to your printer.

Note

- ❒ To get the IP Address for your printer, contact your network administrator.
- ❒ If you use TCP/IP, you must assign an IP Address to your printer.
- ❒ The IP Address is show by Byte on the panel display.



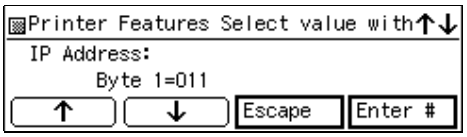
❶ Press [↑][↓] until the following message appears.





❷ Press [Enter #].

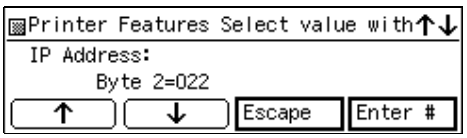
The current Byte 1 of the IP Address appears on the panel display.



❸ Use [↑][↓] to specify the IP Address.

❹ Press [Enter #].

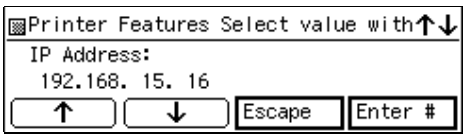
The current Byte 2 of the IP Address appears.



❺ Use [↑][↓] to specify the Byte 2 of the IP Address.

Repeat step ❸ and ❹ to specify the rest of the IP Address.

❻ Press [Enter #] to register the IP Address you specified.





7 If you use TCP/IP, you should assign the "Subnet Mask" and "Gateway Address" using the same procedure for specifying the IP Address.

8 If you use TCP/IP, set the "Access Control" and "Access Mask" using the same procedure for specifying the IP Address, if necessary.

9 If you use TCP/IP, you can make settings for "Network Boot".

You can select how to assign the printer's address using the computer. Select one of the items on the following table.

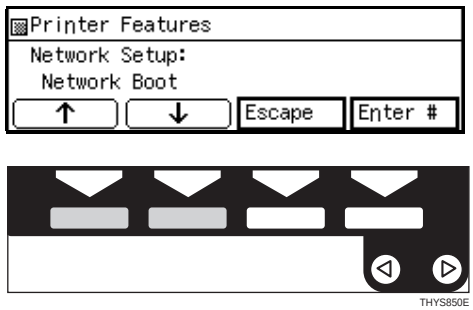
Menu item on the panel display	Available method			
	AR *1	RA *2	BO *3	DH *4
ARP+PING	✓			
ARP & RARP	✓	✓		
ARP & BOOTP	✓		✓	
APR&RARP&BOOTP	✓	✓	✓	
None (Default Seting)				
RARP + TFTP		✓		
BOOTP			✓	
RARP & BOOTP		✓	✓	
DHCP				✓

*1 ARP+PING
*2 RARP+TFTP
*3 BOOTP
*4 DHCP

Note

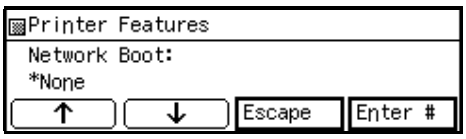
❒ You should set up your server, if you want to use "RARP+TFTP", "BOOTP", or "DHCP".

❶ **Press [↑][↓] until the following message appears.**



❷ **Press [Enter #].**

The current setting appears on the panel display.



❸ **Press [↑][↓] until the method you want to use appears.**

❹ **Press [Enter #].**

10 If you use NetWare, select the frame type for NetWare.

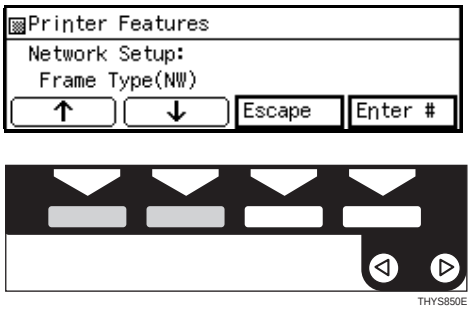
Select one of the items below if necessary.

- Auto Select (Default)
- Ethernet 802.3
- Ethernet 802.2
- Ethernet II
- Ethernet SNAP

Note

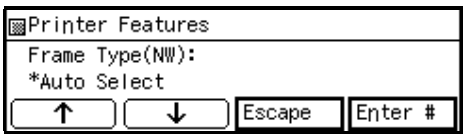
❒ Usually, you can use the default setting ("Auto Select"). With "Auto Select", the frame type detected by the printer first is adopted. If your network can use more than two frame types, the printer may fail to select the correct frame type. In this case, select the appropriate frame type.

❶ **Press [↑][↓] until the following message appears.**



❷ **Press [Enter #].**

The current setting appears on the panel display.



❸ **Press [↑][↓] until the frame type you want to use appears.**

❹ **Press [Enter #].**

11 Exit from the setup menu to the available function settings.

❶ **Press [Escape].**

❷ **Press [Escape].**

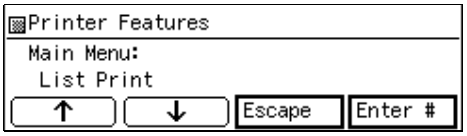
❸ **Press [Exit].**

12 When printing a configuration page, confirm your printer's configuration.

❶ **Press 【User Tools】.**

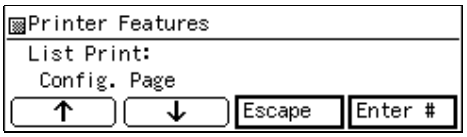
❷ **Press 【4】 on the number keys.**

❸ **Press [↑][↓] to display "List Print", and then press [Enter #].**



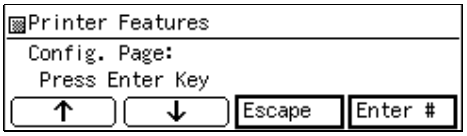

THYS851E

❹ **After make sure that "Config. Page" is on the display, press [Enter #].**




THYS620E

❺ **Press [Enter #].**




THYS620E

When printing a configuration page, you can confirm your printer's configuration.

Address

❖ Subnet Mask

A number used to mathematically "mask" or hide 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.

❖ Access Control Address and Access Control Mask

Access Control Address and Access Control Mask are used to control the IP Address that have access to the computer used for printing, with the IP Address. If it is not necessary for you to control the access rights, select "0.0.0.0".

Note

❒ When the Access Control Address settings coincide with the masked result of the IP Address of the computer, print jobs from that IP Address can be accepted by the network interface board.

❒ For example, if you assign 192.168.15.16 as the Access Control Address to the network interface board, the combination of the Access Control Mask and IP Address that can have access are as follows.(xxx: for any numerical value)

Access Control Mask	IP Address that have access
0. 0. 0. 0	XXX.XXX.XXX.XXX
255. 0. 0. 0	192.XXX.XXX.XXX
255.255. 0. 0	192.168.XXX.XXX
255.255.255. 0	192.168. 15.XXX
255.255.255.255	192.168. 15. 16

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.

Auto Run Program

You can install the printer driver by using the Auto Run program.

Auto Run is available for the following operating systems:

- Windows 95/98
- Windows NT4.0

If your system is the Windows 3.1x or Macintosh, see the information on installing the printer driver.

See P.20 *"Windows 3.1x - Installing the PCL 6/5e Printer Driver"*

See P.23 *"Windows 3.1x - Installing the PostScript Printer Driver"*

See P.24 *"Macintosh"*

Limitation

❒ Installing the printer driver requires full control access rights. To install the printer driver, log on as an Administrator.

Reference

For more information on the software and utilities included on the CD-ROM, see P.7 *"Software and Utilities Included on the CD-ROM"*.

Note

❒ Auto Run program might not automatically work with certain OS settings. In this case, start "SETUP.EXE" to install printer driver on the root.

❒ If you want to cancel the Auto Run program, insert the CD-ROM while pressing the【SHIFT】key until your computer finishes accessing the CD-ROM.

Using the shared printer on Windows NT4.0

If you want to share the printer on Windows NT4.0, you must not install the printer driver using the Auto Run.

For more information on installing the printer driver as an Alternative driver, see P.19 *"Windows NT4.0 - Installing the PCL 6/5e Printer Driver"*

Installing by Auto Run

Follow these steps to install the printer driver on Windows 95/98/Windows NT4.0:

Important

❒ Never have two versions of the same printer driver installed on your system at the same time. When upgrading to a new version of the printer driver, delete the old version, and then install the new one.

Note

❒ For the "plug and play" function, turn on the power of the printer first, and then your computer, if the machine is connected to your computer via the parallel port. **[New Hardware Found]** or **[Device Driver Wizard]** appears depending on the system version of the Windows 95/98.

❒ If the **[New Hardware Found]** dialog box or **[Device Driver Wizard]** appears, click the **[Cancel]**, and then insert the CD labeled Printer Drivers and Utilities.

1 Close all applications that are currently running.

2 Insert the CD labeled Printer Drivers and Utilities for Windows 95/98/NT4.0 in the CD-ROM drive.

3 Follow the instructions on the screen.

4 Restart your computer after installation is complete.

5 You should set up the options with the printer driver.

Installing the PCL 5e/6 Printer Driver

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

Installing the printer driver

Install the driver in accordance with the steps explained. ⇒ P.18 *"Installing by Auto Run"*

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

3. **Click [Accessories] tab.**

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

5. **Click [OK] .**

Windows NT4.0 - Installing the PCL 6/5e Printer Driver

Installing the printer driver

Install the driver in accordance with the steps explained. ⇒ P.18 *"Installing by Auto Run"*

If you want to share the printer on Windows NT4.0, you must not install the printer driver using the Auto Run. In this case, cancel the Auto Run program and install the printer driver using **[Add Printer Wizard]** in the **[Printers]** window.

Install the printer driver of the Windows NT4.0 is from the following folder in the CD-ROM.

- PCL5e
  \DRIVERS\PCL5E\NT4\(Language)\DISK1\
- PCL6
  \DRIVERS\PCL6\NT4\(Language)\DISK1\

Install the printer driver of the Windows 95/98 for the Alternative driver from the following folder in the CD-ROM.

- PCL5e
  \DRIVERS\PCL5E\WIN95_98\(Language)\DISK1\
- PCL6
  \DRIVERS\PCL6\WIN95_98\(Language)\DISK1\

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

3. **Click [Accessories] tab.**

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

5. **Click [OK] .**

Windows 3.1x - Installing the PCL 6/5e Printer Driver

Installing the printer driver

Important

❒ We recommend to install the PCL 5e printer driver on your Windows 3.1x system. Under Windows 3.1x system, you might get some unexpected print results with the PCL 6 printer driver.

1. **Close all the applications that are currently running.**

2. **From the [Program Manager], click [Run] from the [File] menu.**

3. **In the [Run] window, click [Browse].**

4. **Select the CD-ROM drive in the [Drives] list.**

5. **Select the file titled [SETUP.EXE].**

6. **Follow the instructions on the screen.**

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. **From the [Main] group of the [Program Manager], open [Control Panel] by double-clicking it.**
2. **Double-click the [Printers] icon.**
3. **In the [Installed Printers:] list box, click the name of the printer you want to set up.**
4. **Click [Setup].**
5. **Click [Accessories] tab. The [Options] group appears.**
6. **Select any options you have installed from the [Option] group.**
7. **Click [OK] to close the Printer Properties dialog box.**
8. **Click [Close] to close the [Printers] dialog box.**

Installing the PostScript Printer Driver

Windows 95/98 - Installing the PostScript Printer Driver

Installing the Printer Driver

Install the driver in accordance with the steps explained. ⇒ P.18 *"Installing by Auto Run"*

Setting up options

Note

❒ When setting up options, you should access the **[Device Options]** tab from Windows. You cannot set up options when accessing the **[Device Options]** tab from an application

1 Click [Start], 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. On the [File] menu, click [Properties].

3 Click [Device Options] tab. The [Installable Options] group appears.

4 In the [Installable Options] box, select the option you have installed.

The current setting is displayed in the **[Change settings for:]** list box.

5 Use the [Change settings for:] list box to select the appropriate setting for the selected option.

6 Click [Apply] to apply the settings you made.

7 After making all settings you want, click [OK].

Windows NT4.0 - Installing the PostScript Printer Driver

Installing the printer driver

Install the driver in accordance with the steps explained. ⇒ P.18 *"Installing by Auto Run"*

Setting up options

Note

❒ When setting up options, you should access the Printer Properties from Windows. You cannot set up options when accessing the Printer Properties from an application

1. **Click [Start], 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. On the [File] menu, click [Properties].**

3. **Click [Device Settings] tab. The [Options] group appears.**

4. **Use the [Installable Options] group to specify the options.**

5. **Click [OK] to close the printer's Properties dialog box.**

Limitation

❒ Changing the settings of the Printer Properties requires full control access rights. Log on as an Administrator group member.

Windows 3.1x - Installing the PostScript Printer Driver

Installing the printer driver

1. **Close all the applications that are currently running.**

2. **From the [Program Manager], click [Run] from the [File] menu.**

3. **In the [Run] window, click [Browse].**

4. **Select the CD-ROM drive in the [Drives] list.**

5. **Double click the file titled [SETUP.EXE].**

6. **Follow the instructions on the screen.**

Setting up options

1. **From the [Main] group of the [Program Manager], open [Control Panel] by double-clicking it.**

2. **Double-click the [Printers] icon.**

3 **In the [Installed Printers:] list box, click the name of the printer you want to set up.**

4 **Click [Setup].**

5 **Click [Features] tab. The [Printer Features] group appears.**

6 **Use the [Printer Features] group to specify the options.**

7 **Click [OK] to close the Printer Properties dialog box.**

8 **Click [Close] to close the [Printers] dialog box.**

Using the Adobe PageMaker Version 6.0 or 6.5

If you use the printer under Windows 95/98/NT4.0 of the Adobe PageMaker, you need to copy the PPD file to the PageMaker folder.

The PPD file is the file with extension ".ppd" under the folder \PS\WIN95_98\ENGLISH\DISK1\, on the CD labeled Printer Drivers and Utilities for Windows/Mac. The third folder, "ENGLISH" may be substituted by appropriate language name. Copy this file to the PageMaker folder.

For PageMaker 6 default installation, the folder is "C:\PM6\RSRC\PPD4", and for PageMaker 6.5 default installation, the directory is "C:\PM65\RSRC\USENGLISH\PPD4". The "USENGLISH" may be different, depending on your language selection.

Macintosh

Macintosh - Installing the PostScript Printer Driver

It is necessary to install a printer driver and a PPD file to print from a Macintosh.

Follow these steps to install a printer driver and a PPD file into a Macintosh using a system 7.1 or later operating system.

Important

- If you are using Mac OS 8.1 or later, and LaserWriter 8.5.0 or later, copy the "PrintingLib" file from the "Extensions" folder in the "System Folder" to your desktop before installing the PostScript printer driver. After installing the PostScript printer driver, drag the "PrintingLib" file from your desktop back into the "Extensions" folder before step **7**.
- You cannot use LaserWriter 8.5.0, if you do not copy "PrintingLib" back into the "Extensions" folder, or you forgot to copy the "PrintingLib", please reinstall the Macintosh operating system again.

1. **Insert the CD labeled Printer Drivers and Utilities for Windows/Mac in the CD-ROM drive.**
2. **Double click the CD icon.**
3. **Double click "PS" folder.**
4. **Double click a folder of appropriate language.**
5. **Double click the "AdobePS Installer" icon in the "Disk1" folder.**
6. **Follow the instructions on the screen.**
7. **Move the "PrintingLib" back to the "Extensions" folder in the "System Folder" from your desktop.**
8. **Double click the "Extensions" folder.**
9. **Double click the "Printer Descriptions" folder.**
10. **Double click the CD icon on the desktop.**
11. **Double click the "Disk1" folder in the folder of appropriate language.**
12. **Click and drag the PPD file into the "Printer Descriptions" folder.**
13. **Click and drag the "Proof Print" into the "Printer Descriptions" folder in the Extensions folder in the System.**
14. **Restart the Macintosh.**

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 [Adobe PS] icon.**
3. **In the [Select a PostScript Printer] list, select the name of the printer you want to use by clicking it.**
4. **Click [Create].**
5. **Select the printer you want to use by clicking it, and then click [Select].**

   The PPD file is set up, and the Adobe PS icon appears at the left of the printer name in the list. Next, use the procedure on P.26 *"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 [Adobe PS] icon.**
3. **In the [Select the PostScript Printer] list, select the name of the printer you want to use by clicking it, 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 is not displayed, the PPD file might not be 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.**

4. Uninstalling the Printer Driver and Software

Uninstalling the PCL 6/5e Printer Driver

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

Follow one of the procedures below.

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

Follow these steps to uninstall the printer driver:

1. **Close all the applications that are currently running.**
2. **Click [Start], point to [Settings] and click [Printers].**
   The **[Printers]** window appears.
3. **Select the icon of the printer you want to remove by clicking it.**
4. **On the [File] menu, click [Delete].**
   A confirmation dialog box appears.
5. **Click [Yes] to delete the printer driver.**

Windows NT4.0 - Uninstalling the PCL 6/5e Printer Driver

Limitation

❒ Uninstalling the printer driver requires full control access rights. To uninstall the printer driver, log on as an Administrator or a Power Users group member.

1. **Close all the applications that are currently running.**
2. **Click [Start], point to [Settings] and click [Printers].**
   The **[Printers]** window appears.
3. **Select the icon of the printer you want to remove by clicking it.**
4. **On the [File] menu, click [Delete].**
   A confirmation dialog box appears.
5. **Click [Yes] to delete the printer driver.**

Windows 3.1x - Uninstalling the PCL 6/5e Printer Driver

Follow these steps to uninstall the PCL 6/5e printer driver:

1. **Insert the CD-ROM that comes with your printer in the CD-ROM drive.**
2. **Close all applications that are currently running.**
3. **From the [Program Manager], select [Run] from the [File] menu.**
4. **In the [Run] window, click [Browse].**
5. **Select the CD-ROM drive in the [Drives] list.**
6. **Open the folder called [PCL5E] or [PCL6].**
7. **Open the folder called [WIN31].**
8. **Open the folder of the appropriate language for your operating system.**
9. **Open the folder called [DISK1].**
10. **Select the file titled [UNSETUP.EXE].**
11. **Click [OK].**
12. **Click [OK].**
13. **Follow the instructions on the screen.**
14. **If you are asked if you want to restart Windows, select [Yes].**
    If you are not asked, restart Windows after completing the uninstallation.

Uninstalling the PostScript Printer Driver

This section provides basic procedures for uninstalling the PostScript printer driver. The actual procedure may differ somewhat depending on your operating system.

Follow one of the procedures below.

Windows 95/98 - Uninstalling the PostScript Printer Driver

1. **Close all applications that are currently running.**
2. **Click [Start] on the task bar, point to [Settings], and then click [Printers].**
   The **[Printers]** window appears.
3. **Select the icon of the printer you want to remove by clicking it.**
4. **On the [File] menu, click [Delete].**
5. **Click [Yes] to delete the printer driver.**

Windows NT4.0 - Uninstalling the PostScript Printer Driver

Limitation

- Uninstalling the printer driver requires full control access rights. To uninstall the printer driver, log on as an Administrator or a Power Users group member.

1. **Close all applications that are currently running.**
2. **Click [Start] on the task bar, point to [Settings], and then click [Printers].**
   The **[Printers]** window appears.
3. **Select the icon of the printer you want to remove by clicking it.**
4. **On the [File] menu, click [Delete].**
5. **Click [Yes] to delete the printer driver.**

Windows 3.1x - Uninstalling the PostScript Printer Driver

Follow these steps to uninstall the printer driver:

1. **Open the [Control Panel].**
2. **Double click the "Printer" icon.**
3. **Select the printer you want to delete and click [Remove].**
   A confirmation dialog box appears.
4. **Click [Yes] to delete the printer.**
5. **Click [Close] to finish removing the printer driver.**

Macintosh - Uninstalling the PostScript Printer Driver

This section provides basic procedures for uninstalling the PPD File. The actual procedure may differ somewhat depending on your operating system.

Follow one of the procedures below.

1. **Drag the "AdoebPS" file inside the [Extensions] folder in the [System folder] to [Trash].**
2. **Drag the "Proof Print" file inside the [Printer Descriptions] folder in the [Extensions] folder in the [System folder] to [Trash].**

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 printer default settings

To make the printer default 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 task bar, 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 your 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]** differs slightly depending on the application. For details, 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 your settings, and click [OK].**

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

Windows NT4.0 - Accessing the Printer Properties

Making printer default settings - Printer Properties

Limitation

❒ Changing the settings of the Printer Properties requires full control access rights. Log on as an Administrator group member.

1. **Click [Start] on the task bar, 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 your settings and click [OK].**

Note

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

Making printer default settings – Default Document Properties

Limitation

❒ Changing the settings of the Default Document Properties requires full control access rights. Log on as an Administrator or a Power Users group member.

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

   The **[Printers]** window opens.

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 your settings and click [OK].**

Note

❒ 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 NT4.0.

Note

❒ The actual procedures you should follow to open the **[Document Properties]** differs slightly depending on the application. For details, 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 your settings, and click [OK].**

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

Windows 3.1x - Accessing the Printer Setting dialog box

There are two methods you can use to open the Printer Setting dialog box.

Making printer default settings

To make the printer default settings, open the printer settings dialog box from **[Control Panel]**.

Note

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

1 **From the [Main] group of the [Program Manager], open [Control Panel] by double-clicking it.**

2 **Double-click the [Printers] icon.**

3 **In the [Installed Printers:] list box, click the name of the printer you want to set up.**

4 **Click [Setup].**

5 **Make your settings and click [OK].**

6 **Click [Close] to close the [Printers] dialog box.**

Making printer settings from an application

To make the printer settings from an application, open the printer setting dialog box from that application. The following example describes how to make settings for the Write application that comes with Windows 3.1x.

Note

❒ The actual procedures you should follow to open the **[Printer Properties]** differs slightly depending on the application. For details, 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 Setup].**

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

2 **In the [Printer] group, select the printer you want to use.**

Note

❒ If the printer you want to use is not specified as the default printer, click **[Specific Printer]** and then find the printer you want to use in the list box.

3 **Click [Options].**

This opens the printer driver's properties.

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

5 **Click [OK] to close the [Print Setup] dialog box.**

6 **Start your printing operation.**

PostScript - Setting Up for Printing

Windows 95/98 - Accessing the Printer Properties

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

Making printer default settings

To make the printer default 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 task bar, 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].**

   The Printer Properties appears.

4. **Make your 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]** differs slightly depending on the application. For details, 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 your settings, and click [OK].**

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

Windows NT4.0 - Accessing the Printer Properties

Making printer default settings - Printer Properties

Limitation

❒ Changing the settings of the Printer Properties requires full control access rights. Log on as an Administrator or a Power Users group member.

1. **Click [Start] on the task bar, 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 your settings and click [OK].**

   Note

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

Making printer default settings - Default Document Properties

Limitation

❒ Changing the settings of the Default Document Properties requires full control access rights. Log on as an Administrator or a Power Users group member.

1. **Click [Start] on the task bar, 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 your settings and click [OK].**

Note

❒ 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 NT4.0.

Note

❒ The actual procedures you should follow to open the **[Document Properties]** differs slightly depending on the application. For details, 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 your settings, and click [OK].**

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

Windows 3.1x - Accessing the Printer Setting dialog box

There are two methods you can use to open the Printer Setting dialog box.

Making printer default settings

To make the printer default settings, open the printer settings dialog box from **[Control Panel]**.

Note

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

1 **From the [Main] group of the [Program Manager], open [Control Panel] by double-clicking it.**

2 **Double-click the [Printers] icon.**

3 **In the [Installed Printers:] list box, click the name of the printer you want to set up.**

4 **Click [Setup].**

5 **Make your settings and click [OK].**

6 **Click [Close] to close the [Printers] dialog box.**

Making printer settings from an application

To make the printer settings from an application, open the printer setting dialog box from that application. The following example describes how to make settings for the Write application that comes with Windows 3.1x.

Note

❒ The actual procedures you should follow to open the **[Printer Properties]** differs slightly depending on the application. For details, 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 Setup].**

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

2 **In the [Printer] group, select the printer you want to use.**

Note

❒ If the printer you want to use is not specified as the default printer, click **[Specific Printer]** and then find the printer you want to use in the list box.

3 **Click [Options].**

This opens the printer driver's properties.

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

5 **Click [OK] to close the [Print Setup] dialog box.**

6 **Start your printing operation.**

Macintosh - Setting Up for Printing

Making paper settings from an application

1. **Open the file you want to print.**
2. **On the [File] menu, click [Page Setup].**
   The **[Adobe PS Page Setup]** dialog box appears.
3. **Make sure that the printer you want to use is shown in [Format for:]. Then, use [Paper] to select the paper size your want to use.**

   Note
   ❒ If your printer is now shown in the **[Format for:]** box, use the pop-up menu to display a list of available printers.

   Reference
   The actual appearance of the **[Page Setup]** dialog box differs depending on the application you are using. See the documentation that comes with your Macintosh for details.
4. **After all the settings are the way you want, click [OK].**

Setting up for printing from an application

1. **Open the file you want to print.**
2. **On the [File] menu, click [Print].**
   The **[Printer]** dialog box appears.
3. **Make sure that your printer is selected in the [Printer] box, make the printer settings you want.**
4. **After the settings are the way you want, click [Print].**

Canceling a Print Job

Windows 95/98 - Canceling Print Job

1 Double-click the printer icon on the Windows Task Bar.

A window showing all the print jobs that are currently queued for printing appears. Check the current status of the job you want to cancel.

2 Click the name of the job you want to cancel so it is highlighted.

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 [JobReset] of the machine's operation panel.

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

Important

❒ The above procedure cancels the print job that is being processed by the printer. In some cases, the printer 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 **[JobReset]**.

❒ When your printer is being shared by multiple computers, make sure you do not accidentally cancel someone else's print job.

Note

❒ You cannot stop printing data that has already been processed internally by the printer. Because of this, printing may continue for a few pages after you press **[JobReset]**.

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

Windows NT4.0 - Canceling a Print Job

1 Double-click the printer icon on the Windows Task Bar.

A window showing all the print jobs that are currently queued for printing appears. Check the current status of the job you want to cancel.

2 Click the name of the job you want to cancel so it is highlighted.

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 [JobReset] of the machine's operation panel.

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

Important

❒ The above procedure cancels the print job that is being processed by the printer. In some cases, the printer 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 **[JobReset]**.

❒ When your printer is being shared by multiple computers, make sure you do not accidentally cancel someone else's print job.

Note

❒ You cannot stop printing data that has already been processed internally by the printer. Because of this, printing may continue for a few pages after you press **[JobReset]**.

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

Windows 3.1x - Canceling a Print Job

1 In the [Main] group, double-click the [Print Manager] icon.

This opens a window that shows all the print jobs that are currently queued for printing.

2 Click the name of the job you want to cancel so it is highlighted.

3 On the [Document] menu, click [Delete Document].

4 Click [Close] to close the dialog box.

5 Press [JobReset] of the machine's operation panel.

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

Important

❒ The above procedure cancels the print job that is being processed by the printer. In some cases, the printer 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 **[JobReset]**.

❒ When your printer is being shared by multiple computers, make sure you do not accidentally cancel someone else's print job.

Note

❒ You cannot stop printing data that has already been processed internally by the printer. Because of this, printing may continue for a few pages after you press **[JobReset]**.

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

Macintosh - Canceling a Print Job

1 Double - click the printer's icon on the Desk Top.

A window showing all the print jobs that are currently queued for printing appears.

2 Check the current status of the job you want to cancel.

3 Click the name of the job you want to cancel so it is highlighted.

4 Click the [Pause Button], and then click the [Trash Button].

5 Press [JobReset] of the machine's operation panel.

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

Important

❒ The above procedure cancels the print job that is being processed by the printer. In some cases, the printer 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 **[JobReset]**.

❒ When your printer is being shared by multiple computers, make sure you do not accidentally cancel someone else's print job.

Note

❒ You cannot stop printing data that has already been processed internally by the printer. Because of this, printing may continue for a few pages after you press **[JobReset]**.

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

Error & Status Messages on the Operation Panel

Error & Status Messages on the Operation Panel

Messages	Description	Resolution
Add Toner	The printer is out of toner.	Prepare a new toner cartridge.
Call Service SC_XXX	The Service Code or SC number identifies the failure.	Call your sales or service representative.
Call Service Power Off On	Communicate error from engine to controller.	Turn the machine off and then on again to restart.
Cannot Output To Selected Tray	The printer cannot output to specified tray with specified paper size.	Specify correct the paper size, or select the other tray on the printer driver.
Close Right Cover	The right cover is open.	Close the right cover.
Close R-Cover Paper	The right cover of the paper tray is open.	Close the right cover of the paper tray.
Close Upper Right Cover	The cover of the output internal 1bin tray is open.	Close the cover of the output internal 1bin tray.
Energy Saver 1	In Energy Save Mode level 1.	Press【**Energy Saver**】for the machine to get ready.
Energy Saver 2	In Energy Save Mode level 2.	Press the operation switch to turn the power on.
Error X	System error X: number 1 to 7	Call your sales or service representative.
Form Feeding...	Doing form feed.	Wait for a while.
Load Tray 1 xx	Tray 1 is out of paper. xx : Paper Size	Load paper of the indicated paper size into the paper tray 1.
Load Tray 2 xx	Tray 2 is out of paper. xx : Paper Size	Load paper of the indicated paper size into the paper tray 2.
Load Tray 3 xx	Tray 3 is out of paper. xx : Paper Size	Load paper of the indicated paper size into the paper tray 3.

Messages	Description	Resolution
Load Bypass xx	Bypass Tray is out of paper. xx : Paper Size	Load paper of the indicated paper size into the bypass tray.
Low On Toner	The printer is almost out of toner.	If the image density gets too light, replace the toner cartridge with a new one.
Offline	Printer is offline. The printer cannot accept or print out data.	If you want to put the printer online, press the **[Online]**.
Printing...	Doing print job.	Wait for a while.
Processing...	Print data is being processed.	Wait for a while.
Processing... Please Wait	The user tries to print the Proof Print data while writing the data to HDD.	Wait until the printer returns to the ready condition.
Ready	The printer is ready for printing.	—
Remove Paper Standard Tray	The standard output tray is full.	Remove the paper from the standard output tray. **Important** ❒ Remove the paper from the output tray before it becomes full. If you leave paper in the output tray, it can cause a paper misfeed.
Remove Paper 1Bin Tray	The internal 1bin tray is full.	Remove the paper from the internal 1bin tray. **Important** ❒ Remove the paper from the output tray before it becomes full. If you leave paper in the output tray, it can cause a paper misfeed.
Replace Maintenance Kit	It is time to replace the parts included in the Maintenance Kit.	Call your sales or service representative.
Replace PCU	It is time to change the PCU.	Call your sales or service representative.

Messages	Description	Resolution
Reset PCU	The photoconductor unit is not installed in the printer.	Call your sales or service representative.
Reset Fusing Unit Correctly	The fusing unit is not set correctly.	Set the fusing unit correctly.
Resetting Job...	Job is being reset.	Wait for a while.
Reset Tray 1 Correctly	Tray 1 is not set correctly.	Set tray 1 correctly.
Reset Tray 2 Correctly	Tray 2 is not set correctly.	Set tray 2 correctly.
Warming Up...	The printer is now preparing for printing.	Wait until the printer is warmed up.
Waiting...	Printer is waiting for the next data to print.	Wait for a while.

Note

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

Getting Printer Information over the Network

Printer Current Status

You can check the printer's current status using the "mshel".

❖ **mshell**

Use status command.

Reference

For more information, refer to the Operating Instructions of the optional network interface board.

Messages	Description	Resolution
Add Toner	The printer is out of toner.	Prepare a new toner cartridge.
Call Service SC_XXX	The Service Code or SC number identifies the failure.	Call your sales or service representative.
Call Service Power Off On	Communicate error from engine to controller.	Turn the machine off and then on again to restart.

Messages	Description	Resolution
Cannot Output To Selected Tray	The printer cannot output to specified tray with specified paper size.	Specify correct the paper size, or select the other tray on the printer driver.
Close Right Cover	The right cover is open.	Close the right cover.
Close R-Cover Paper	The right cover of the paper tray is open.	Close the right cover of the paper tray.
Close Upper Right Cover	The cover of the output internal 1bin tray is open.	Close the cover of the output internal 1bin tray.
Energy Saver 1	In Energy Save Mode level 1.	Press **【Energy Saver】** for the machine to get ready.
Energy Saver 2	In Energy Save Mode level 2.	Press the operation switch to turn the power on.
Error X	System error X: number 1 to 7	Call your sales or service representative.
Form Feeding...	Doing form feed.	Wait for a while.
Load Tray 1 xx	Tray 1 is out of paper. xx : Paper Size	Load paper of the indicated paper size into the paper tray 1.
Load Tray 2 xx	Tray 2 is out of paper. xx : Paper Size	Load paper of the indicated paper size into the paper tray 2.
Load Tray 3 xx	Tray 3 is out of paper. xx : Paper Size	Load paper of the indicated paper size into the paper tray 3.
Load Bypass xx	Bypass Tray is out of paper. xx : Paper Size	Load paper of the indicated paper size into the bypass tray.
Low On Toner	The printer is almost out of toner.	If the image density gets too light, replace the toner cartridge with a new one.
Offline	Printer is offline. The printer cannot accept or print out data.	If you want to put the printer online, press the **[Online]**.
Printing...	Doing print job.	Wait for a while.
Processing...	Print data is being processed.	Wait for a while.
Processing... Please Wait	The user tries to print the Proof Print data while writing the data to HDD.	Wait until the printer returns to the ready condition.

Messages	Description	Resolution
Ready	The printer is ready for printing.	—
Remove Paper Standard Tray	The standard output tray is full.	Remove the paper from the standard output tray **Important** ❒ Remove the paper from the output tray before it becomes full. If you leave paper in the output tray, it can cause a paper misfeed.
Remove Paper 1Bin Tray	The internal 1bin tray is full.	Remove the paper from the internal 1bin tray. **Important** ❒ Remove the paper from the output tray before it becomes full. If you leave paper in the output tray, it can cause a paper misfeed.
Replace Maintenance Kit	It is time to replace the parts included in the Maintenance Kit.	Call your sales or service representative.
Replace PCU	It is time to change the PCU.	Call your sales or service representative.
Reset PCU	The photoconductor unit is not installed in the printer.	Call your sales or service representative.
Reset Fusing Unit Correctly	The fusing unit is not set correctly.	Set the fusing unit correctly.
Resetting Job...	Job is being reset.	Wait for a while.
Reset Tray 1 Correctly	Tray 1 is not set correctly.	Set tray 1 correctly.
Reset Tray 2 Correctly	Tray 2 is not set correctly.	Set tray 2 correctly.
Warming Up...	The printer is now preparing for printing.	Wait until the printer is warmed up.
Waiting...	Printer is waiting for the next data to print.	Wait for a while.

Printer Configuration

You can check the printer configuration using the "mshel".

❖ **mshell**

Use info command.

Reference

For more information on the printer configuration with this method, refer to the "Operating Instructions" for network interface board.

Item	Description
Input Tray	
No.	ID number of the paper tray
Name	Name of the paper tray*1
Page Size	Paper size loaded in the paper tray*2
Status	Current status of the paper tray*3
Output Tray	
No.	ID number of the output tray
Name	Name of the output tray. *4
Status	Current status of the output tray. *5
Emulation	
No.	ID number of the emulation used which the printer
Name	Name of the emulation used which the printer
Version	Version of the emulation
Program	No Entries.

Note

❒ "*" (asterisk) is displayed with the current setting.

❒ Regarding *1–*5, see the attached tables.

❖ ***1 Input Tray: Name**

Name	Description
Tray 1	Standard Tray
Tray 2	Paper Feed Unit (with two optional paper feed unit :upside)
Tray 3	Paper Feed Unit (with two optional paper feed unit :down-side)
Bypass Tray	Bypass Tray

❖ *2 Input Tray: Paper Size

Paper Size	Description
A3(297 x 420)	A3
B4 JIS(257 x 364)	B4
A4(210 x 297)	A4
A4(297 x 210)	A4
B5 JIS(182 x 257)	B5
B5 JIS(257 x 182)	B5
A5(148 x 210)	A5
A5(210 x 148)	A5
A6(105 x 148)	A6
11 x 17	11"×17"
8 1/2 x 14	$8^1/_2$"×14"
8 1/2 x 11	$8^1/_2$"×11" Letter
11 x 8 1/2	$8^1/_2$"×11" Letter
7 1/4 x 10 1/2	7.25" x $10^1/_2$" Executive
10 1/2 x 7 1/4	7.25" x $10^1/_2$" Executive
5 1/2 x 8 1/2	$5^1/_2$" x $8^1/_2$" Half Letter
8 1/2 x 5 1/2	$5^1/_2$" x $8^1/_2$" Half Letter
8 1/4 x 13	8.25" x 13"
8 1/2 x 13	8.5" x 13"
8 x 13	8" x 13"
4 1/8 x 9 1/2	Com10 Env.(4.125" x 9.5")
3 7/8 x 7 1/2	Monarch Env.(3.875" x 7.5")
C6 Env(114 x 162)	C6 Env.(114 x 162mm)
C5 Env(162 x 229)	C5 Env.(162 x 229mm)
DL Env(110 x 220)	DL Env.(110 x 220mm)
8K(267 x 390)	8K
16K(195 x 267)	16K
16K(267 x 195)	16K
FRE	Custom Paper Size

❖ *3 Input Tray: status

Sstatus	Description
Normal	Normal
NoTray	There is no paper tray
PaperEnd	There is no paper in the paper tray

❖ *4 Output Tray: Name

Name	Description
Standard Tray	Standard
Internal 1Bin Tray	Output Tray (upside)

❖ *5 Output Tray: status

Status	Description
Normal	Normal
Paper Exist	Paper exists in output tray.

Machine Does not Print

If machine does not print, the table below.

Possible Cause	Solutions
Is the power on?	Turn on the machine.
Is the interface cable properly connected?	Connect the interface cable correctly. If there are any connectors or screws, make sure they are fastened securely.
Are you using the correct interface cable?	Be sure to use the correct one. If the cable is damaged or worn, replace it with a new one.
Did you connect the interface cable after turning on the main switch?	Make sure to connect the interface cable before turning on the main switch.
Is your machine online?	Bring it online by touching the **[Online]** key.
Is the specified paper set?	Set the specified paper in any of the input trays.
Are there any error messages on the panel display?	Check the error message, and take the required action. See P.43 *"Error & Status Messages on the Operation Panel"*
Does the indicator above the Printer key stay red?	Check the error message, and take the required action. See P.43 *"Error & Status Messages on the Operation Panel"*
Can you print a test page (configuration page)?	If you can't print a test page, it probably indicates a printer malfunction. You should contact your sales or service representative. If you can print a test page but cannot get the printer to print when you issue a print command from your computer, it probably means there is a problem with your computer. Also keep it in mind that large, complex data might take long time for the printing process. ⇒ P.66 *"Printer Condition"*
Is your specified paper size correct?	Set the specified paper in any of the input trays. Adjust the paper size dial to match the size and feed direction of the paper in the paper tray.

Possible Cause	Solutions
When the PostScript option is connected to the network, data is being received by the printer, but does not print.	❖ **Windows 95/98** On the **[PostScript]** tab, click **[Advanced]** and then uncheck both **[Send CTRL+D after job]** and **[Send CTRL+D before job]**. ❖ **Windows NT4.0** Open the **[Advanced]** tab of the Printer Properties. Under **[PostScript Options]**, select **[No]** for both **[Send CTRL-D After Each job]** and **[Send CTRL-D Before Each job]**.
Printing does not start or interrupted, when using the PostScript option.	The data is cleared when the Job Timeout period is exceeded. ❖ **Windows 95/98** Set a longer **[Job Timeout]** period with the **[PostScript]** tab of the Printer Properties. ❖ **Windows NT4.0** Set a longer **[Job Timeout]** period with the **[Device Settings]** tab of the Printer Properties.
	A PostScript error might occur if there is not enough memory in the printer, or there are errors in the print data sent to the printer. • In some cases, increasing the memory may solve this problem. Install an optional memory unit (SDRAM). For more information on the memory, see P.71 *"Specifications"*.
	The print job might be reset. Do the following. • Make sure that you have selected the correct printer driver. Try printing again. • Set a longer Wait Timeout. ❖ **Windows 95/98** Set a longer **[Wait Timeout]** period with the **[PostScript]** tab of the Printer Properties. ❖ **Windows NT4.0** Set a longer **[Wait Timeout]** period with the **[Device Settings]** tab of the Printer Properties. ❖ **Macintosh** You can specify a longer **[I/O Timeout]** period on the printer's operation panel. ⇒ P.58 *"Accessing Printer Features"*.

Possible Cause	Solutions
Is the Data In Indicator blinking or lit after starting the print job, when using the PCL printer?	If not, the data is not being sent to the printer. Or the printer may be resetting the print job because there was a long delay in receiving the data from the computer. ❖ **If the printer is using "I/O Timeout"** Increase the value of the "I/O Timeout" setting of the "System" menu of the "Job Control". ⇒ P.60 *"Printer Features Parameters"* ❖ **If your printer is connected to the computer using the interface cable** Make sure 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 **[Details]** tab.
  ④ Check the **[Print to the following port]** box to make sure the correct port is selected.
- **Windows NT4.0**
  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 **[Port]** tab.
  ④ Check the **[Print to the following port]** box to make sure the correct port is selected.
- **Windows 3.1x**
  ① On the **[Control Panel]**, double-click **[Printers]** icon.
  ② Confirm that this printer is specified as the default printer.
  ③ Click **[Connect]**.
  ④ Check the **[Ports]** box to make sure the correct port is selected.
- **Macintosh**
  ① Click **[Apple Menu]**, point to **[Control Panel]**, and then click **[Apple Talk]**.
  ② In the **[connect via.]** list box to make sure the **[Ethernet]**.

Other Printing Problems

Problem	Action
It takes a long time for the printer to start printing.	The machine might be in Energy Saver mode or Low Power mode, which requires more time for warming up and resuming the print job. If you can't wait, change the settings of Low Power. Shift Time and Low Power Timer.
It takes too much time to complete the print job.	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 is finished.
Windows 95/98, NT 4.0 : The computer doesn't recognize the installed printer options.	If connections to the printer is not bi-directional, the computer doesn't recognize the installed printer options. In this case specify which options you have installed using the printer driver. **Reference** For more information on the setting options with installing the printer driver. ⇒ P.19 *"Installing the PCL 5e/6 Printer Driver"* , P.22 *"Installing the PostScript Printer Driver"*
Windows 3.1x : The printer can't send the print job.	The memory buffer might be full. Set the Print Manager to "OFF", or make the time-out setting longer.

7. Using the Operation Panel

This section is for the maintenance operators.

The User Tools set the default settings, which are divided into four menu items; System Settings, Copy Features, Printer Features and Fax Feature. This section deals with the information on adjusting the printer settings using the System Settings and the Printer Features menus.

Note

❒ After using the UserTools, be sure to return to Printer mode.

❒ The settings are not canceled even if the operation switch is turned off or the **[Escape]** key is pressed.

Reference

For more information on specifying the printer system, see P.11 *"Configuring the Printer for the Network with the Operation Panel"*

For information of the Copy Features, Fax Features and Specify the System Settings. Refer to the "Copy Reference", the "Fax Reference" and the "System Settings"

Adjusting Printer Features

Printer Features Menu

There are 5 menu items in the printer menu.

- Proof Print
- Job Control
- Network Setup
- Maintenance
- List Print

Category	Function Menu	
Proof Print	Print File	
	Delete File	
	Show Error Log	
Job Control	Paper Input	Tray Priority
		Tray Locking
		Bypass Size
	Print Quality	Edge Smoothing
		Resolution
		Toner Saving
	System	Print PS Errors
		I/O Timeout
		I/O Buffer
	PCL Menu	Orientation
		Form Lines
		Font Source
		Font Number
		Point Size
		Font Pitch
		Symbol Set
Network Setup	IP Address	
	Subnet Mask	
	Gateway Address	
	Access Control	
	Access Mask	
	Network Boot	
	Frame Type(NW)	
	Active Protocols	
Maintenance	Restart Printer	
	Menu Reset	
	Hex Dump	
List Print	Config. Page	
	Menu List	
	PCL Font List	
	PS Font List	
	Demo Page	
	Disk Directory	

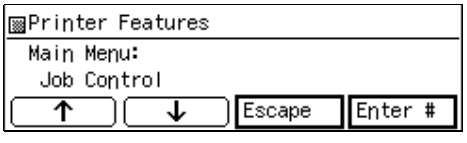
Accessing Printer Features

Follow these steps to setting the "I/O Timeout" in the "Job Control" as an example.

1 Press [User Tools].

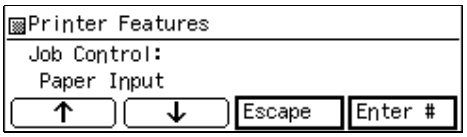
2 Press [4] on the number keys.

3 Press [↑][↓] to display "Job Control", and then press [Enter #].

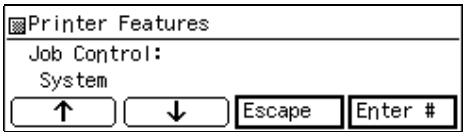




The following message appears on the panel display.



4 Press [↑][↓] to display "System", and then press [Enter #].





Note

❒ If you specify the "Proof Print" and "Maintenance", change the setting by following the instructions on the panel display.

❒ **[Enter #]**: Press to apply the new settings and return to the previous menu.

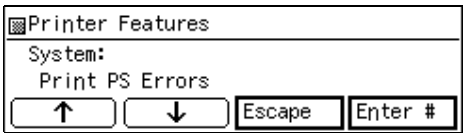
❒ **[Escape]**: Press to return to the previous menu without changing any settings.

Reference

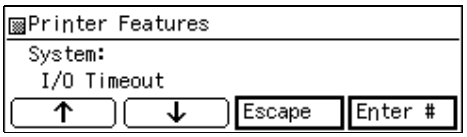
For information on the Network Setup, see P.11 *"Configuring the Printer for the Network with the Operation Panel"*.

For information on setting the List Print, see P.66 *"Printer Condition"*.

The following message appears on the panel display.

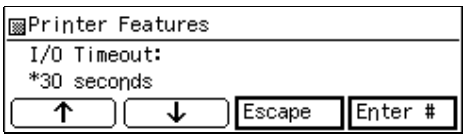


5 Press [↑][↓] to display "I/O Timeout", and then press [Enter #].





The following message appears on the panel display.

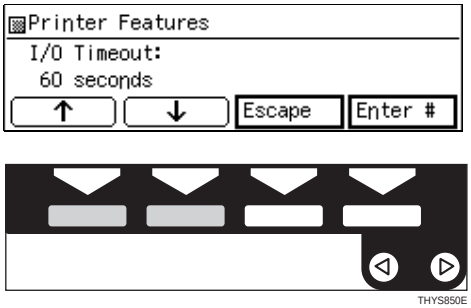


The numerical value appears on the display panel and you can specify it with step **7**.

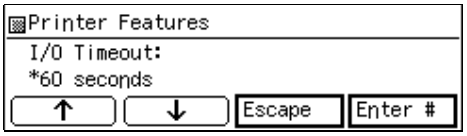
Note

❒ "*"(asterisk) is displayed with the current setting.

6 **Press [↑][↓] to select your desired value.**



7 **Press [Enter #].**





Exiting from User Tools

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

2 **Press the 【User Tools】 key.**

Note

❒ You can also exit from the User Tools by press **[Exit]** on the User Tools main menu.

Printer Features Parameters

❖ Proof Print

Print File	Select a proof print file and print.
Delete File	Select a proof print file and delete.
Show Error Log	Shows the error log in the proof print job.

❖ Job Controlnaouji

Paper Input	Tray Priority	You can specify the default tray and paper size. Bypass Tray, Tray 1, Tray 2, Tray 3 **Note** ❒ Default: *Tray 1* ❒ Only the installed trays appear on the panel display. ❒ It is recommended that you load paper having the size and direction you frequently use in the tray selected with the "Tray Priority".
	Tray Locking	If you use several different kinds of paper, you can lock a tray to prevent printing on wrong paper. If you want to select a locked tray, specify the paper tray using the printer driver. Bypass Tray, Tray 1, Tray 2, Tray 3 **Note** ❒ Default: *None* ❒ Only the installed trays appear on the panel display. ❒ You can't lock multiple trays at once. ❒ When a locked tray is specified using the printer driver, the printer doesn't search for any other tray.
	Bypass Tray size	You can specify the paper size for the bypass tray. **Note** ❒ Default: *Letter* ❒ width:90mm(3.54 inch) to 297mm(11 inch) ❒ length:148mm(5.83 inch) to 432mm(17 inch)

Print Quality	Edge Smoothing	You can specify whether the Edge Smoothing feature is enabled. • On • Off **Note** ❒ Default: *On* ❒ If "Toner Saving" is "On", "Edge Smoothing" is ignored even if it is "On".
	Resolution	You can specify the print resolution in dots per inch. • 600dpi • 300dpi **Note** ❒ Default: *600dpi* ❒ The resolution specified with the printer driver overrides the one specified here.
	Toner Saving	You can specify whether or not the Toner Saving feature is enabled. • Off • On **Note** ❒ Default: *Off* ❒ If the "Toner Saving" is "On", the "EdgeSmoothing" is ignored even if it is "On".

System	Print PS Errors	You can specify whether the PS error sheet should be printed out. • On • Off **Note** ❒ Default: *Off* ❒ You can use this option only when the PostScript option is installed.
	I/O Timeout	You can specify for how many seconds your printer 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. 15 seconds, 30 seconds, 60 seconds, 180 seconds, 300 seconds **Note** ❒ Default: *30 seconds*
	I/O Buffer	You can specify the size of I/O Buffer. Normally it is not necessary to change this setting. 16KB, 32KB, 64KB, 128KB, 256KB, 512KB, **Note** ❒ Default: *32KB*
PCL Menu	Orientation	You can specify the page orientation. • Portrait • Landscape **Note** ❒ Default: *Portrait*
	Form Lines	You can specify the number of lines per page. 5-128 **Note** ❒ Default: *60*(Inch version), *64*(Metric version)

PCL Menu	Font Source	You can specify the location of the default font. • Internal • Download **Note** ❒ Default: *Internal*
	Font Number	You can specify the ID for the default font you want to use. • 0 to 50 (for Internal) • 1 to 50 (for Download source) **Note** ❒ Default: *0 (for Internal)*
	Point Size	You can specify the value for the point size you want to use for the selected font. 4.00 to 999.75 by 0.25 **Note** ❒ Default: *12.00* ❒ This setting is effective only for a variable-space font.
	Font Pitch	You can specify the number of characters per inch you want to use for the selected font. 0.44 to 99.99 by 0.01 **Note** ❒ Default: *10.00* ❒ This setting is effective only for a fixed-space font.
	Symbol Set	You can specify the set of print characters for the selected font. The available options are as follows. Roman 8, ISO L1, ISO L2, ISO L5, PC-8, PC-8 DN, PC-850, PC-852, PC8TK, Win L1, Win L2, Desktop, PS Text, VN Intl, VN US, MS Publ, Math-8, PS Math, VN Math, Pifont, Legal, ISO 4, ISO 6, ISO 11, ISO 15, ISO 17, ISO 21, ISO 60, ISO 69, Win 3.0 **Note** ❒ Default: *Roman8*

❖ Network Setup

You can specify the network settings as follows.

- IP Address
- Subnet Mask
- Gateway Address
- Access Control Address
- Access Control Mask
- Network Boot
- Frame type NetWare
- Active Protocol

Reference

⇒ P.11 *"Configuring the Printer for the Network with the Operation Panel"*

❖ Maintenance

System Reset	You can initialize the printer.
Menu Reset	You can reset the menu settings to the factory defaults except the "Network Setup" settings.
Hex Dump	You can choose to print the Hex Dump or not. With this feature "On", all data sent to the printer is printed in hexadecimal character representation. • On • Off **Note** ❒ Default: *Off*

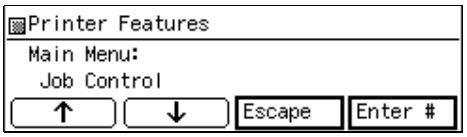
❖ List Print

The following are the List Print item that you can print.

Config. Page	You can print the current configuration of your machine.
Menu List	You can print the Menu List which shows the function menu of this machine.
PCL Font List	You can print a installed PCL font.
PS Font List	You can print a installed PS font. **Note** ❒ It is able to print the PS Font List while the PS printer is using it.
Demo Page	You can Demo print which show the information of this machine.
Disk Directory	You can print the Disk Directory which shows the contents of the optional hard disk directory.

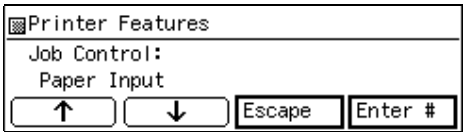
Specifying the Custom Paper Size for the Bypass Tray.

1. Press 【UserTools】.
2. Press 【4】 on the number keys.
3. Press [↑][↓] until "Job Control" appears, and then press [Enter #].



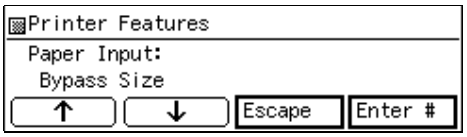

THYS851E

4. Press [↑][↓] until "Paper Input" appears, and then press [Enter #].



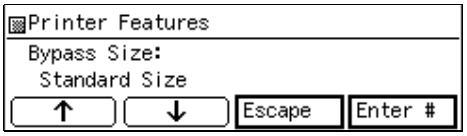

THYS851E

5. Press [↑][↓] until "Bypass Size" appears, and then press [Enter #].



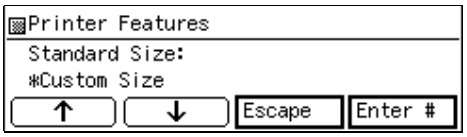

THYS851E

6. Specifying the Standard Size.
   ❶ After making sure that "Standard Size" is displayed, press [Enter #].



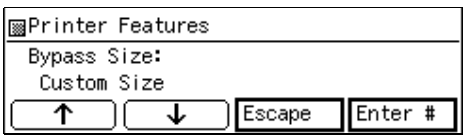

THYS620E

   ❷ Press [↑][↓] until "Custom Size" is displayed, and then press [Enter #].



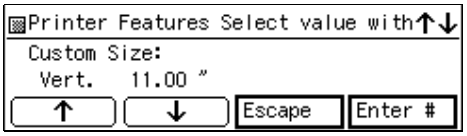

THYS851E

7. Specifying the Custom Size.
   ❶ Press [↑][↓] until "Custom Size" is displayed, press [Enter #].



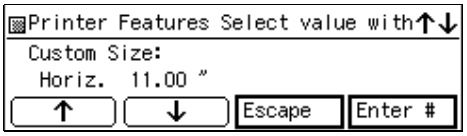

THYS851E

❷ **Press [↑][↓] to set the Vert value, and then press [Enter #].**





❸ **Press [↑][↓] to set the Horiz value, and then press [Enter #].**





7

Printer Condition

We recommend that you to print the Configuration Page and check its settings, before changing settings of your machine.

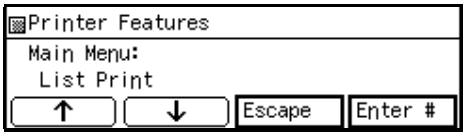
The following example describes how to print a "Configu.Page".

Follow these steps to print the Configuration Page:

1 **Press [User Tools].**

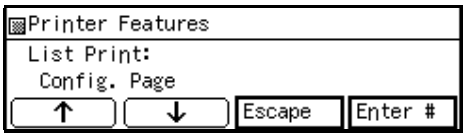
2 **Press [4] on the number keys.**

3 **Press [↑][↓] until "List Print" appears, and then press [Enter #].**





The following message appears on the panel display.

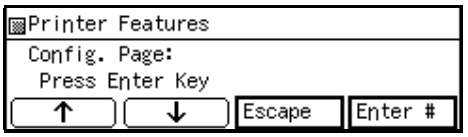


4 **After making sure that, "Config.Page" on display, press [Enter #].**

Note

❒ You can specify the Print List items on the panel display.

The following message appears on the panel display.



5 **Press [Enter #].**

This starts printing the Configuration Page.

Printing with the Operation Panel

Using the Proof Print

Use this function to print only one copy of a multiple copy print job. The other copies are saved on the optional hard disk. The saved job can be printed from the machine's operation panel.

Limitation

❒ To use this function, the optional hard disk must be installed on your printer.

Note

❒ If the application has a collate option, make sure that it is not selected before sending a print job. By default, proof print jobs are automatically collated by the printer driver. If the collate option is selected from the application print dialog box, more copies than intended may be printed.

❒ You can identify the file you want to print by the User IDs and the time when the job was stored.

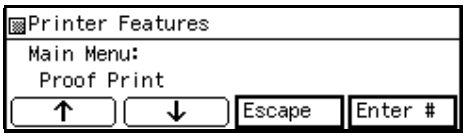
❒ Up to 30 jobs or 2,000 pages can be sent to the printer for this function.

Printing a Proof Print File

1 **Press the【User Tool】key of the machine's operation panel.**

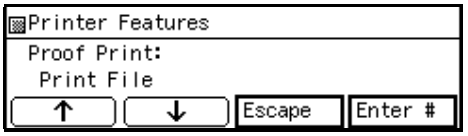
2 **Press【4】on the number keys.**

3 **After making sure that "Proof Print" is displayed, press [Enter #].**



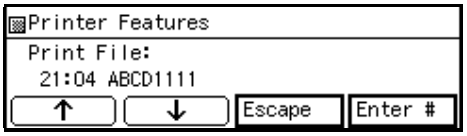


4 **After making sure that "Print File" is displayed, press [Enter #].**



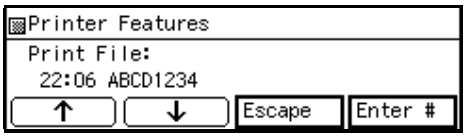


5 **Press [↑][↓] to display a file you want to print, and then press [Enter #].**





The following message appears on the panel display.



6 **Press [↑][↓] to set the number of copies.**

Note

❒ You can set the number of copies up to 999.





7 **Press [Enter #].**

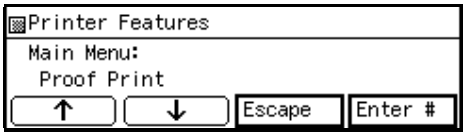
Deleting a Proof Print File

If the printed document is not what you expect, you can delete the proof print file. You can then revise them and print again until the settings become OK.

1 **Press the 【User Tool】 key of the machine's operation panel.**

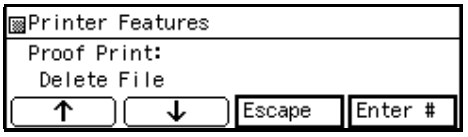
2 **Press 【4】 on the number keys.**

3 **After making sure that "Proof Print" is on the display, press [Enter #].**



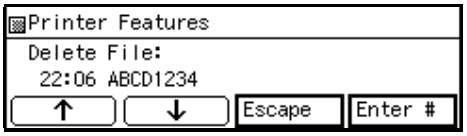


4 **Press [↑][↓] until "Delete File" appears, and then press [Enter #].**



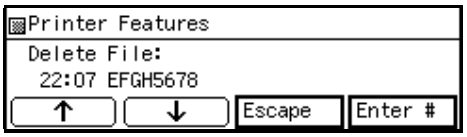


5 **Press [↑][↓] to display the file you want to delete, and then press [Enter #].**





The following message appears on the panel display.



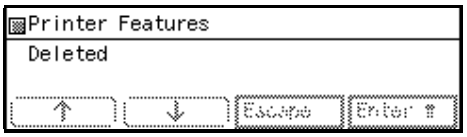
6 **Press [Enter #].**





7 **Press [Enter #].**

This starts deleting a proof print file after the following message appears on the panel display.

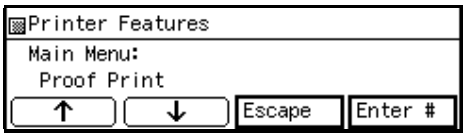


Checking the Error Log

1 **Press the 【User Tool】 key of the machine's operation panel.**

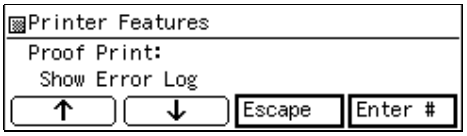
2 **Press 【4】 on the number keys.**

3 **After making sure that "Proof Print" is on the display, press [Enter #].**



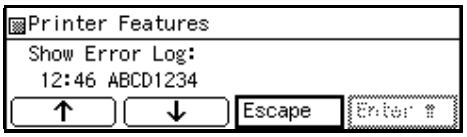


4 **Press [↑][↓] until "Show Error Log" appears, and then press [Enter #].**





The following message appears on the panel display.



Note

❒ You can check the other error log by using **[↑][↓]**.

❒ Press **[Escape]** to return to the previous menu.

Specifications

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

Component	Specification
Resolution	600 dpi ; PCL5e, PCL6, PostScript 300 dpi ; PCL5e, PostScript
Printing Speed	18 pages per minute (A4⬓, $8^1/_2$" × 11"⬓)
Parallel Interface	**IEEE1284B** **Note** ❒ Do not use a parallel cable that is longer than 3 meters (10 feet).
	Centronics : Bi-directional parallel port (IEEE 1284 compliant)
Page description language	PCL5e , PCL6, PostScript 3 (option)
Fonts	PCL 45 Font sets PostScript 136 Font sets (option)
Hard Disk (option)	**Storage capacity :** 1.6GB or more
Memory	**Standard :** 16 MB **Optional SDRAM module :** Up to 80 MB
Operation System Supported by this printer	Windows 95/98 Windows NT4.0 Windows 3.1x Macintosh (required the PostScript option)
Network (option)	**Topology :** Ethernet 10BASE-T/100BASE-TX
	Protocol : IPX/SPX, NetBEUI, TCP/IP, AppleTalk

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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 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 FCC emission limits.

Declaration of Conformity

Product Name: Printer

Model Number: B3058637

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.

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

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

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.

In accordance with IEC 60417, this machine uses the following symbols for the main power switch:

I means POWER ON.

O means POWER OFF.

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