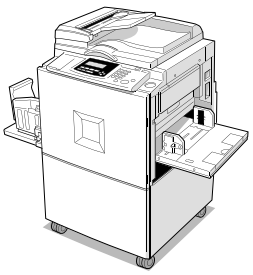
Printer Unit Type40
RCP40

Operating Instructions
Printer Reference 2



1 Raster Printer Language - Setting Up for Printing
2 Canceling a Print Job
3 Uninstalling the Printer Driver and Software
4 Troubleshooting
5 Using the Control Panel
6 Appendix

For safe and correct use of this machine, please be sure to read the Safety Information in the Operating Instructions that comes with the machine before you use it.

Introduction

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

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.

Warning:

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

Trademarks

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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.

Notes:

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

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

Two kinds of size notation are employed in this manual. With this machine refer to the metric version.

Note:

The proper names of the Windows operating systems are as follows:

- The product name of Windows® 95 is Microsoft® Windows® 95.
- The product name of Windows® 98 is Microsoft® Windows® 98.
- The product name of Windows® Me is Microsoft® Windows® Millennium Edition (Windows Me).
- The product names of Windows® 2000 are as follows:
  Microsoft® Windows® 2000 Advanced Server
  Microsoft® Windows® 2000 Server
  Microsoft® Windows® 2000 Professional
- The product names of Windows® XP are as follows:
  Microsoft® Windows® XP Professional
  Microsoft® Windows® XP Home Edition
- The product names of Windows NT® 4.0 are as follows:
  Microsoft® Windows NT® Server 4.0
  Microsoft® Windows NT® Workstation 4.0

Manuals for This Machine

The following manuals describe the operational procedures and maintenance of this machine.

To enhance safe and efficient operation of this machine, all users should read and follow the instructions carefully.

❖ **Printer Reference 1**
Describes the system settings, procedures and functions for using this machine. This manual is also included as a PDF file on the CD-ROM labeled "Printer Drivers and Utilities".

❖ **Printer Reference 2 (this manual)**
Describes the procedures and provides necessary information about using this machine. This manual is included as a PDF file on the CD-ROM labeled "Printer Drivers and Utilities".

❖ **Network Printing Guide**
Describes the procedures and provides necessary information about setting up and using the printer under the network environment. We recommend this manual as your first choice to read, and it is included as a PDF file on the CD-ROM labeled "Printer Drivers and Utilities".

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 display panel.

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

【 】
Keys built into the machine's control panel.

Keys on the computer's keyboard.

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1. Raster Printer Language - Setting Up for Printing

Windows 95/98/Me

Accessing the Printer Properties

Changing the default machine settings - Printer Properties

1. **Click [Start] on the taskbar, point to [Settings], and then click [Printers].**
   The **[Printers]** window appears.
2. **Click to select the icon of the machine whose default you want to change.**
3. **On the [File] menu, click [Properties].**
   The **[Printer Properties]** dialog box appears.
4. **Make any settings you require and click [OK].**

Note

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

Making machine settings from an application

To make the machine settings for a specific 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 95/98/Me.

Note

❒ The actual procedures you should follow to open the **[Printer Properties]** dialog box may vary depending on the application. For more information, see the documentation that comes with the application you are using.

❒ 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.

Note

❒ It is possible to set basic items such as the number of copies and the print range in this dialog box.

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

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

1

3 **Make any settings you require and click [OK].**

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

Note

❒ This setting is not valid when printing from other applications.

Printer Properties Settings

Make the settings for this machine, such as the paper size for Paper Feed Tray, the tone of images, and Output Tray options (Type A only).

Note

❒ In this section, the setting items peculiar to this machine are explained. For other setting items, see the documentation that comes with Windows 95/98/Me or Help.

❒ In this section, Windows 98 is used for explanation purposes.

[Paper] tab

This tab contains paper related settings.

❖ **[Paper Size]**
Select the size of the paper to be printed.

❖ **[Orientation]**
Specify the printing orientation.

❖ **[Paper source]**
Specify Paper Feed Tray for printing.

❖ **[Custom]**

- Clicking this will display the **[User-Defined Size]** dialog box where custom size papers can be set. This is very convenient when printing things such as postcards and envelopes.

Reference

p.4 “Printing on custom sized paper”.

❖ **[Copies]**
Enter the number of prints required.

❖ **[More Options]**
You can make sure the setting of Output Unit.

Note
❒ When using Type A, the optional Output Units can be attached.

❖ **[About]**
Click to display the printer driver version and copyright.

[Graphics] tab

Use this tab for setting the printing resolution, dithering and intensity.

❖ **[Resolution]**
The resolution is fixed.

Note
❒ The resolution may vary depending on the machine model.

❖ **[Dithering]**
The tone of gray shadings or photographs can be adjusted.

Note
❒ Normally, set to "Coarse".

- "None"
  Click None if you don't want any dithering.
- "Coarse"
  Click Coarse if your resolution setting is 300 dpi or higher.
- "Fine"
  Click Fine if your resolution setting is 200 dpi or less.
- "Line Art"
  Click Line Art if your graphics include well-defined borders between black, white, and gray shadings.
- "Error Diffusion"
  Click Error Diffusion for printing photographs or pictures that don't have sharp, well-defined edges.

❖ **[Intensity]**
Specifies how dark to print graphics in your document.

Various Types of Printing

This section introduces printing examples from Windows 95/98 and Me.

Windows 98 is used for explanation purposes.

Reference

As printing can vary depending on the application, see the respective documentation that comes with the application regarding details on settings.

Printing on custom sized paper

It is possible to make settings for custom sized paper.

Note

❒ It is possible to register up to only one custom paper size.

1 **Display the data to be printed.**

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

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

3 **Select the machine you want to use in the [Name] list box, and then click [Properties].**

4 **In [Paper size] on the [Paper] tab, select click [Custom].**

The **[User-Defined Size]** dialog box appears.

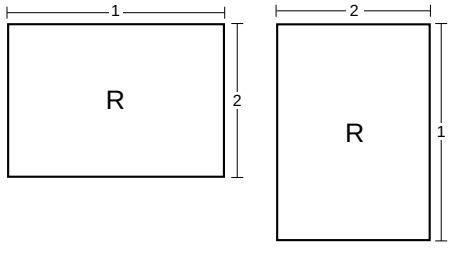
5 **Select the unit to be used for setting the values in [Units].**

6 **Enter the dimensions in the [Width] and [Length] boxes.**

Important

❒ "Width" refers to the shorter edges regardless of paper direction.

❒ "Length" refers to the longer edges regardless of paper direction.



1. **Length**

2. **Width**

Note

❒ Available paper dimensions are :

- Type A
  - Width : 700 - 2970 (0.1 mm units)/(2.8 - 11.7 inches)
  - Length : 1480 - 4320 (0.1 mm units)/(5.9 - 17.0 inches)
- Type B
  - Width : 700 - 2900 (0.1 mm units)/(2.8 - 11.5 inches)
  - Length : 1480 - 4200 (0.1 mm units)/(5.9 - 16.6 inches)

Paper of a size outside these dimensions cannot be used.

7 **Click [OK].**

8 **Click [OK].**

9 **Click [OK] to start printing.**

Printing on paper with a nondetectable size

This machine automatically detects the paper size, however, there are cases where the machine cannot detect the size depending on the paper size. In these cases, follow the procedure below and manually make the desired settings.

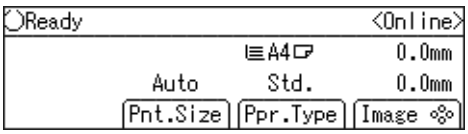
Type A

Note

❒ When using this function, make sure to set it in the **[Print Size def.]** in the **[Set O/L Paramet's 1/3]** of the machine's Online Parameter Settings.

1 **Press the 【Online】 key on the machine.**

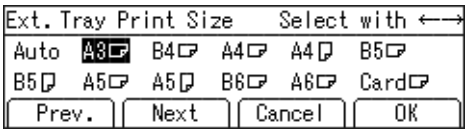
2 **Press [Pnt.Size].**



Note

❒ **[Pnt.Size]** is only displayed when the machine is online. It will not be displayed when the machine is offline.

3 **Select the paper size, and then press [OK].**



Important

❒ Select a size that is bigger than the contents to be printed. If the contents are bigger than the size selected and the data is printed, it will, for example, cause the roller to get dirty.

4 **Select the paper size on the computer's printer driver.**

Important

❒ Select the same paper size selected in the **[Pnt.Size]** setting on the machine.

5 **Start printing on the computer.**

Type B

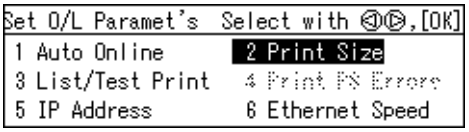
Note

❒ When using this function, make sure to set it the **[Print Size]** in the **[Online Paramet's]** of the machine's Online Parameter Settings.

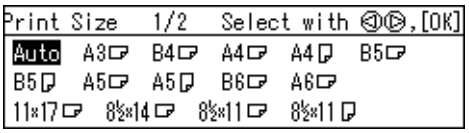
1 **Press the【User Tools】key on the machine.**

2 **Select [6 Online Paramet's], and then press the【OK】key.**

3 **Select [2 Print Size], and then press the【OK】key.**



4 **Select the paper size, and then press the【OK】key.**



Important

❒ Select a size that is bigger than the contents to be printed. If the contents are bigger than the size selected and the data is printed, it will, for example, cause the roller to get dirty.

5 **Select the paper size on the computer's printer driver.**

Important

❒ Select the same paper size selected in **[Print Size]** setting on the machine.

6 **Start printing on the computer.**

Windows 2000/Windows XP

Accessing the Printer Properties

Changing the default machine settings - Printer Properties

Limitation

❒ Changing the settings of the machine requires Manage Printers permission. Members of the Administrators and Power Users groups have Manage Printers permission by default. When you set up options (Type A only), log on using an account that has Manage Printers permission.

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

The **[Printers]** window appears.

Note

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

❒ With Windows XP Home Edition, access the **[Printers and Faxes]** window by clicking **[Start]** on the taskbar. Then click **[Control Panel]**, **[Printers and Other Hardware]** and then **[Printers and Faxes]**.

2 **Click to select the icon of the machine whose default you want to change.**

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

The **[Printer Properties]** dialog box appears.

Note

❒ With Windows XP, click **[Add a printer]**.

4 **Make any settings you require and click [OK].**

Note

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

Changing the default machine settings - Printing Preferences Properties

Limitation

❒ Changing the settings of the machine requires Manage Printers permission. Members of the Administrators and Power Users groups have Manage Printers permission by default. When you set up options (Type A only), log on using an account that has Manage Printers permission.

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

The **[Printers]** window appears.

Note

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

❒ With Windows XP Home Edition, access the **[Printers and Faxes]** window by clicking **[Start]** on the taskbar. Then click **[Control Panel]**, **[Printers and Other Hardware]** and then **[Printers and Faxes]**.

2 Click to select the icon of the machine whose default you want to change.

3 On the [File] menu, click [Printing Preferences].

The **[Printing Preferences]** dialog box appears.

4 Make any settings you require and click [OK].

Note

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

Making machine settings from an application

To make the machine settings for a specific application, open the **[Print]** dialog box from that application. The following example describes how to make settings for the WordPad application that comes with Windows 2000/Windows XP:

Note

❒ The actual procedures you should follow to open the **[Print]** dialog box may vary depending on the application. For more information, see the documentation that comes with the application you are using.

❒ 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 machine you want to use in the [Select Printer] box.

Note

❒ With Windows XP, click **[Preference]** to open the **[Printer Preference]** window.

3 Make any settings you require and click [Print] to start printing.

Printer Properties Settings

Make the settings for this machine, such as the paper size for Paper Feed Tray, and the availability of options (Type A only).

Note

❒ In this section, the setting items peculiar to this machine are explained. For other setting items, see the documentation that comes with Windows 2000/Windows XP or Help.

[Device Settings] tab

When the item to be set is clicked, a drop down list will appear on the right. Click the list to open it and make a setting.

❖ **[Form To Tray Assignment]**
Paper sizes can be assigned to Paper Feed Tray. Normally, they are not set. You can also select "Not Available".

❖ **[Installable Options]**
Set connected option devices. The following item is installable:

❖ **"Output Unit"**
When Sorter is attached to Type A, select "Sorter".

Print Setting Details

The necessary print settings, such as paper size or print orientation, can be set when printing from applications.

The print settings in the applications become the initial settings of the application.

[Layout] tab

Set the print orientation and the order in which the pages are printed.

❖ **[Orientation]**
Specify the print orientation.

❖ **[Page Order]**
Specify the order in which the pages are printed. When "Front to Back" is specified, the first page will be printed as the top page. When "Back to Front" is specified, the first page will be printed as the last page.

❖ **[Pages Per Sheet]**
Specify the number of pages printed on one sheet of paper. For example, if "1" is specified, one page will be printed on one sheet. If "2" is specified, two pages will be printed on one sheet.

[Paper/Quality] tab

Set the Paper Feed Tray to be used.

❖ **[Tray Selection]**
Specifies Paper Feed Tray for printing.

Note

❒ Select "Paper Feed Tray" here. Even if you select "Automatically Select", the machine uses Paper Feed Tray for printing.

[Advanced Options] dialog box

This dialog box is displayed when you click **[Advanced]** on the **[Paper/Quality]** tab or the **[Layout]** tab. Here you can set detailed items about the paper size and the functions of the machine.

❖ **[Paper/Output]**

❖ **"Paper Size"**
Select the size of the paper to be printed.

❖ **"Collated"**
If you select more than "2" in "Copy Count", "Collated" will become enabled. Make sure to regularly clear the "Collated" check box, because if "Collated" is not cleared, master making may be done everytime a page is going to be printed.

❖ **[Document Options]**

❖ **"Advanced Printing Features"**
Specifies whether the advanced printing feature is enabled. For normal printing, leave the advanced printing feature set to the default "Enabled".

Note

❒ Normally, it is not necessary to change the default.

❖ **"Halftoning"**
Specifies the type of halftoning to use when printing graphics.

Note

❒ Normally, it is not necessary to change the default.

❖ **"Print Optimizations"**
Specifies whether the print optimization feature is enabled.

Note

❒ Normally, it is not necessary to change the default.

❖ [Printer Features]

❖ "Printer-Side Operation"

Settings can be made using the printer driver on the computer and the machine's display panel. When "Printer-Side Operation" is set to "On", the following items can be set on the display panel:

- Number of print sets
- Clear Modes
- Auto-Print after Master Making
- Eco. Mode
- Job Separator
- Speed Select
- Skip Feed
- Sort

Note

❒ "Auto-Print after Master Making" is displayed on the machine's display panel as "Auto Cycle".

❖ "Clear Modes"

When set to "On", the machine settings return to their defaults before Master Making.

❖ "Auto-Print after Master Making"

When set to "On", printing starts automatically immediately after Master Making.

❖ "Eco. Mode"

When set to "On", the amount of ink consumption is reduced.

❖ "Job Separator"

When set to "On", classifying will occur whenever the document data changes.

Note

❒ When using Type A, this function is available.

❖ "Speed Select"

You can select the printing speed.

❖ "Skip Feed"

- Use to make the interval between paper feeds longer, allowing the ink to dry.
- Use to print paper longer than the standard size.

Limitation

❒ The maximum length of paper that can be printed using Skip Feed is 460 mm. However, when printing on paper longer than 432 mm, the delivered paper may fall off the paper delivery end plate. Therefore, you should hold the paper so that it does not fall off.

❖ **"Rotate Image"**

When set to "180°", the image will be rotated 180 degrees and printed. This is very convenient when printing on envelopes. See p.16 "Printing onto envelopes"

❖ **"Sort"**

When set to "On", it is possible to deliver each print set in page order into the optional sorter.

Note

❒ When using Type A, this function is available.

Various Types of Printing

This section introduces printing examples from Windows 2000/Windows XP.

Reference

As printing can vary depending on the application, see the respective documentation that comes with the application regarding details on settings.

Printing on custom sized paper

It is possible to make settings for custom sized paper.

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

The **[Printers]** window appears.

Note

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

❒ With Windows XP Home Edition, access the **[Printers and Faxes]** window by clicking **[Start]** on the taskbar. Then click **[Control Panel]**, **[Printers and Other Hardware]** and then **[Printers and Faxes]**.

2 **On [File] menu, click [Server Properties].**

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

3 **Make sure that the [Forms] tab is displayed.**

When another tab is displayed, click the **[Forms]** tab.

4 **Click "Create a New Form".**

5 **In the [Form Description for] box, enter the name of the paper.**

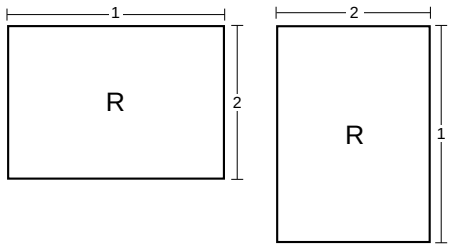
6 **Under "Measurements", set "Units".**

7 **Enter the dimensions in the [Width] and [Height] boxes.**

Important

❒ "Width" refers to the shorter edges regardless of paper direction.

❒ "Height" refers to the longer edges regardless of paper direction.



1. **Height**

2. **Width**

Note

❒ Available paper dimensions are :

- Type A
  - Width : 7.00 - 29.70 cm (2.8 - 11.7 inches)
  - Height : 14.80 - 43.20 cm (5.9 - 17.0 inches)
- Type B
  - Width : 7.00 - 29.00 cm (2.8 - 11.5 inches)
  - Height : 14.80 - 42.00 cm (5.9 - 16.6 inches)

  Paper of a size outside these dimensions cannot be used.

8 **Click [Save Form].**

The paper size set is registered, and the name of the paper is added to **[Forms on]**.

9 **Click [Close].**

It is possible to use the paper size already registered in the **[Server Properties]** dialog box. When printing, select it in the **[Printer Properties]** dialog box.

1

Printing on paper with a nondetectable size

This machine automatically detects the paper size. However, there are cases where the machine cannot detect the size depending on the paper size. In these cases, follow the procedure below and manually make the desired settings.

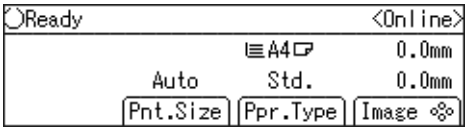
Type A

Note

❒ When using this function, make sure to set it in the **[Print Size def.]** in the **[Set O/L Paramet's 1/3]** of the machine's Online Parameter Settings.

1 **Press the 【Online】 key on the machine.**

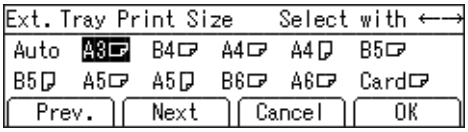
2 **Press [Pnt.Size].**



Note

❒ **[Pnt.Size]** is only displayed when the machine is online. It will not be displayed when the machine is offline.

3 **Select the paper size, and then press [OK].**



Important

❒ Select a size that is bigger than the contents to be printed. If the contents are bigger than the size selected and the data is printed, it will, for example, cause the roller to get dirty.

4 **Select the paper size on the computer's printer driver.**

Important

❒ Select the same paper size selected in the **[Pnt.Size]** setting on the machine.

5 **Start printing on the computer.**

Type B

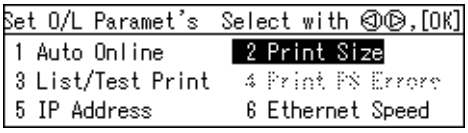
Note

❒ When using this function, make sure to set it the **[Print Size]** in the **[Online Paramet's]** of the machine's Online Parameter Settings.

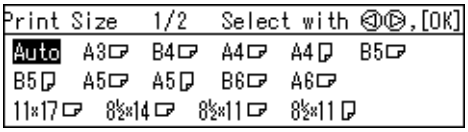
1 **Press the 【User Tools】 key on the machine.**

2 **Select [6 Online Paramet's], and then press the 【OK】 key.**

3 **Select [2 Print Size], and then press the 【OK】 key.**



4 **Select the paper size, and then press the 【OK】 key.**



Important

❒ Select a size that is bigger than the contents to be printed. If the contents are bigger than the size selected and the data is printed, it will, for example, cause the roller to get dirty.

5 **Select the paper size on the computer's printer driver.**

Important

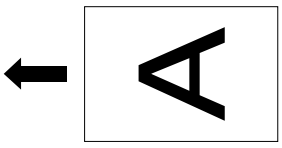
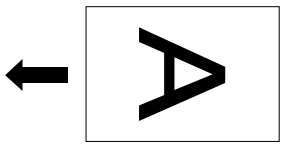
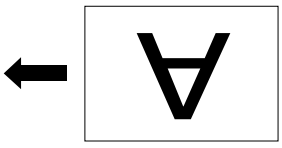
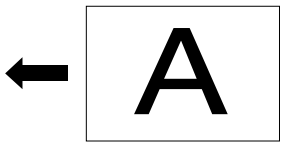
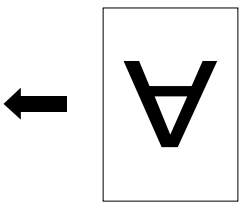
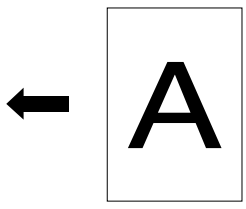
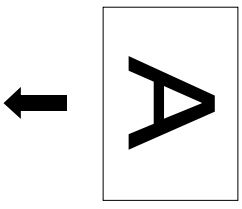
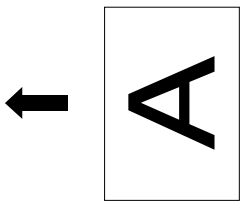
❒ Select the same paper size selected in **[Print Size]** setting on the machine.

6 **Start printing on the computer.**

Printing onto envelopes

Envelopes cannot be fed in well because the seal may get caught. In that case, you can rotate and print the image by 180 degrees using the rotate function in the printer driver.

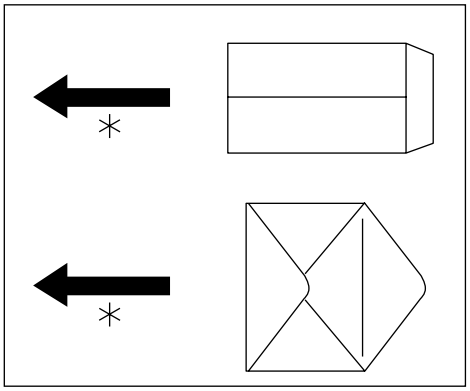
The following chart shows how the image is rotated:

Paper Feed Direction	Original Image	Rotate: Off	Rotate: 180°
Short Edge Feed	Portrait		
	Landscape		
Long Edge Feed	Portrait		
	Landscape		

Note

❒ If you want to print on special types of paper such as envelopes, select the type of paper in **[Ppr.Type]** on the machine's display panel. For more information about paper type setting, see *Operating Instructions*.

1 **Rotate the envelopes 180 degrees and place them in the Paper Feed Tray as shown.**



GRENVE1E

*Paper feed direction

2 **Set "Rotate Image" to "180°" on [Advanced] on the [Layout] tab or the [Paper/Quality] tab in the printer driver.**

3 **Click [Print] to start printing .**

The image is rotated and printed on the envelopes.

Windows NT 4.0

1

Accessing the Printer Properties

Changing the default machine settings - Printer Properties

Limitation

❒ Changing the setting of the machine requires Full Control access permission. Members of the Administrators, Server Operators, Print Operators, and Power Users groups have Full Control permission by default. When you set up options (Type A only), log on using an account that has Full Control permission.

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

The **[Printers]** window appears .

2 **Click to select the icon of the machine whose default you want to change.**

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

The **[Printer Properties]** dialog box appears.

4 **Make any settings you require and click [OK].**

Note

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

Changing the default machine settings - Default Document Properties

Limitation

❒ Changing the setting of the machine requires Full Control access permission. Members of the Administrators, Server Operators, Print Operators, and Power Users groups have Full Control permission by default. When you set up options (Type A only), log on using an account that has Full Control permission.

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

The **[Printers]** window appears.

2 **Click to select the icon of the machine whose default you want to change.**

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

The **[Default Document Properties]** dialog box appears.

4 **Make any settings you require and click [OK].**

Note

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

Making machine settings from an application

To make the machine settings for a specific 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 NT 4.0:

Note

❒ The actual procedures you should follow to open the **[Printer Properties]** dialog box may vary depending on the application. For more information, see the documentation that comes with the application you are using.

❒ 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 machine you want to use in the [Name] list box, and then click [Properties].**

   The **[Document Properties]** dialog box appears.

3. **Make any settings you require and click [OK].**

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

Printer Properties Settings

Make the settings for this machine, such as the paper size for Paper Feed Tray, and the availability of options (Type A only).

Note

❒ In this section, the setting items peculiar to this machine are explained. For other setting items, see the documentation that comes with Windows NT 4.0 or Help.

[Device Settings] tab

Click the item to be set. A change setting box will appear on the bottom of the **[Properties]** window and you can make a setting.

❖ **[Form To Tray Assignment]**
Paper sizes can be assigned to Paper Feed Tray. Normally, they are not set. You can also select “Not Available”.

Print Setting Details

The necessary print settings, such as paper size or print orientation, can be set when printing from applications.

The print settings in the applications become the initial settings of the application.

[Page Setup] tab

Use this tab to make paper related settings.

❖ **[Paper Size]**
Select the size of the paper to be printed.

Limitation

❒ All of the paper sizes which are registered on Windows NT 4.0 are displayed. However, do not select paper sizes that cannot be used by this machine.

❖ **[Paper Source]**
Specify Paper Feed Tray for printing.

Note

❒ Select "Paper Feed Tray" here. Even if you select "Automatically Select", the machine uses Paper Feed Tray for printing.

❖ **[Orientation]**
Specify the print orientation.

[Advanced] tab

When clicking items to be set, the "Change Setting" box appears. Select the items to be set from the "Change Setting" box.

❖ **[Paper/Output]**

❖ **"Paper Size"**
Select the size of the paper to be printed.

Limitation

❒ All of the paper sizes which are registered on Windows NT 4.0 are displayed. However, do not select paper sizes that cannot be used by this machine.

❖ **"Orientation"**
Specify the print orientation.

❖ **"Paper Source"**
Specify a paper feed tray where the paper to be used is loaded.

Note
❒ Select "Paper Feed Tray" here.

❖ **[Graphic]**

❖ **"Resolution"**
The resolution is fixed.

Note
❒ The resolution may vary depending on the machine model.

❖ **[Document Options]**

❖ **"Halftone Color Adjustment"**
The halftone-color can be adjusted.

Note
❒ Normally, it is not necessary to change the default.

❖ **"Paper/Output"**
You can select the Output Tray.

Note
❒ When using Type A, the optional Output Units can be attached.
❒ If you select the Output Tray, this function is available, only when the optional Output Tray is attached to the machine.

❖ **"Scan for Rules"**
The printing speed can be increased if your document contains horizontal and vertical lines.

Note
❒ Normally, it is not necessary to change the default.

❖ **"Print Text as Graphics"**
When set to "OFF", text placed on top of a graphic might be printed correctly if your document contains overlapping text and graphics.

❖ **"Metafile Spooling"**
When Metafile Spooling is set to "ON", the printing information will be converted faster.

Note
❒ Normally, it is not necessary to change the default.

Various Types of Printing

This section introduces printing examples from Windows NT 4.0.

1

Reference

As printing can vary depending on the application, see the respective documentation that comes with the application regarding details on settings.

Printing on custom sized paper

It is possible to make settings for custom sized paper.

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

The **[Printers]** window appear.

2 On [File] menu, click [Server Properties].

The **[Printer Server Properties]** dialog box appears.

3 Make sure that the [Forms] tab is displayed.

When another tab is displayed, click the **[Forms]** tab.

4 Click [Create a New Form].

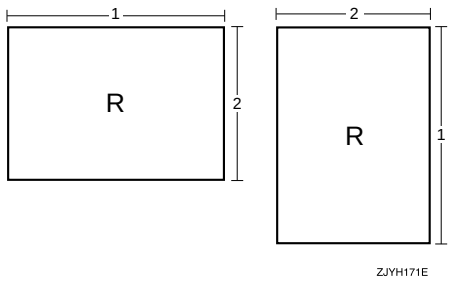
5 In the [Form Description for] box, enter the name of the paper.

6 Enter the dimensions in the [Width] and [Height] boxes.

Important

❒ "Width" refers to the shorter edges regardless of paper direction.

❒ "Height" refers to the longer edges regardless of paper direction.



1. **Height**

2. **Width**

Note

❒ Available paper dimensions are :

- Type A
  - Width : 7.00 - 29.70 cm (2.8 - 11.7 inches)
  - Height : 14.80 - 43.20 cm (5.9 - 17.0 inches)
- Type B
  - Width : 7.00 - 29.00 cm (2.8 - 11.5 inches)
  - Height : 14.80 - 42.00 cm (5.9 - 16.6 inches)

Paper of a size outside these dimensions cannot be used.

7 **Click [Save Form].**

The paper size set is registered, and the name of the paper is added to **[Forms on]**.

8 **Click [Close].**

It is possible to use the paper size already registered in the **[Server Properties]** dialog box. When printing, select it in the **[Printer Properties]** dialog box.

Printing on paper with a nondetectable size

This machine automatically detects the paper size, however, there are cases where the machine cannot detect the size depending on the paper size. In these cases, follow the procedure below and manually make the desired settings.

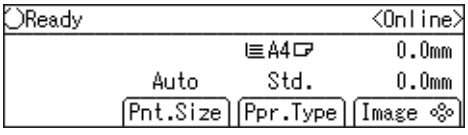
Type A

Note

❒ When using this function, make sure to set it in the **[Print Size def.]** in the **[Set O/L Paramet's 1/3]** of the machine's Online Parameter Settings.

1 **Press the 【Online】 key on the machine.**

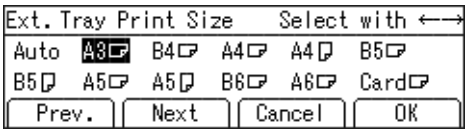
2 **Press [Pnt.Size].**



Note

❒ **[Pnt.Size]** is only displayed when the machine is online. It will not be displayed when the machine is offline.

3 **Select the paper size, and then press [OK].**



Important

❒ Select a size that is bigger than the contents to be printed. If the contents are bigger than the size selected and the data is printed, it will, for example, cause the roller to get dirty.

4 **Select the paper size on the computer's printer driver.**

Important

❒ Select the same paper size selected in the **[Pnt.Size]** setting on the machine.

5 **Start printing on the computer.**

Type B

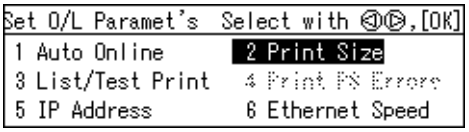
Note

❒ When using this function, make sure to set it the **[Print Size]** in the **[Online Paramet's]** of the machine's Online Parameter Settings.

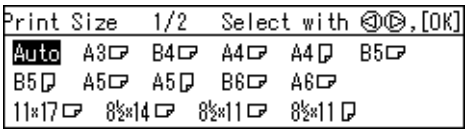
1 **Press the【User Tools】key on the machine.**

2 **Select [6 Online Paramet's], and then press the【OK】key.**

3 **Select [2 Print Size], and then press the【OK】key.**



4 **Select the paper size, and then press the【OK】key.**



Important

❒ Select a size that is bigger than the contents to be printed. If the contents are bigger than the size selected and the data is printed, it will, for example, cause the roller to get dirty.

5 **Select the paper size on the computer's printer driver.**

Important

❒ Select the same paper size selected in **[Print Size]** setting on the machine.

6 **Start printing on the computer.**

2. Canceling a Print Job

Canceling a print job (master making) is possible by using the printer driver or the machine.

Canceling a Print Job by Using the Printer Driver

Canceling before the Machine Starts Master Making

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

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

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

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

Note

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

4 Click [OK].

The print job is cleared.

Note

❒ When sending a print job has already begun, it may take considerable time to be cleared.

❒ You cannot cancel the print job for a page where Master Making has already begun. In this case, follow the procedure below to stop the printing.

Canceling after the Machine Has Started Master Making

1 Press the 【Clear/Stop】 key on the machine's control panel.

The machine stops printing.

2 Double-click the machine icon on the Window taskbar.

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

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

4 **On the [Document] menu, click [Cancel Printing].**

Note

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

5 **Click [OK].**

The print job is cleared.

6 **Press [fin PRNT] on the machine's display panel (When using Type B, press the 【OK】 key on the machine's control panel).**

The machine returns to the status that a print job can be received.

Note

❒ The number of prints remaining is displayed on the counter after you cancel a print job. It will be cleared when the machine receives the next print job, or you can clear it by pressing the 【Clear/Stop】 key.

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

Important

❒ When multiple computers are sharing the machine, be careful not to accidentally cancel someone else's print job.

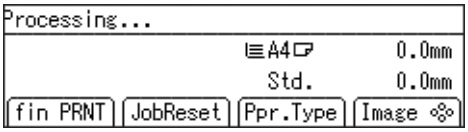
Canceling a Print Job Using the Machine (Job Reset)

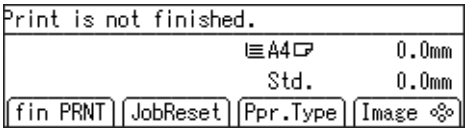
Type A

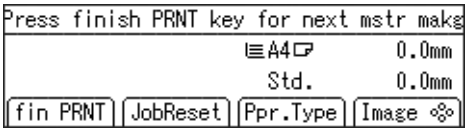
Limitation

❒ You can cancel a print job when "Job Reset" appears on the display panel.

When a print job acquires "waiting" status during printing, these three displays appear alternately if there are following jobs.







Canceling a "waiting" print job

1 **Press [Job Reset].**

Note

❒ You cannot cancel a print job if there are no following jobs.

❒ Even if you cancel the current print job, the following print jobs will acquire "waiting" status and the three displays above will appear alternately.

Canceling a print job currently printing

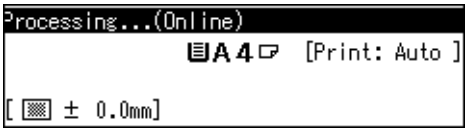
1 **Press [fin PRNT].**

Note

❒ The remainder of the canceled job does not print, and then the machine will start master making and printing the next job. When all jobs are finished, the initial display returns.

Type B

When a print job acquires “waiting” status during printing, these three displays appear repeatedly if there are following jobs.



Canceling a “waiting” print job

1 **Press the 【Job Reset】 key.**

Note

❒ You cannot cancel a print job if there are no following jobs.

❒ Even if you cancel the current print job, the following print jobs will acquire “waiting” status and the three displays above will appear repeatedly.

Canceling a print job currently printing

1 **Press the 【OK】 key.**

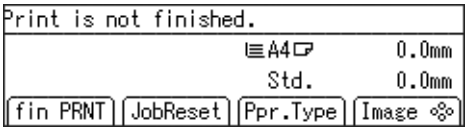
Note

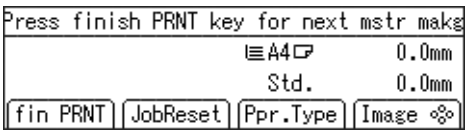
❒ The remainder of the canceled job does not print, and then the machine will start master making and printing the next job. When all jobs are finished, the initial display returns.

Canceling a Print Job Using the Machine

Type A

When a print job acquires "waiting" status, these three displays will appear alternately if there are no following jobs.





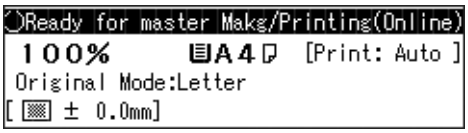
1 **Press [fin PRNT] on the machine's display panel.**

2 **Press the 【Clear/Stop】 key on the machine's control panel.**

The machine stops master making (or printing).

Type B

When a print job acquires "waiting" status, these three displays will appear repeatedly if there are no following jobs.



1 **Press the 【OK】 key.**

Note

❒ The initial display returns.

3. Uninstalling the Printer Driver and Software

Uninstalling the Raster Printer Language Printer Driver

This section describes how to uninstall the Raster Printer Language printer driver.

The actual procedures may vary depending on the operating system.

Follow the appropriate procedure below.

Windows 95/98/Me

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

Windows 2000/Windows XP

Limitation

❒ Uninstalling a printer driver requires Manage Printers permission. Members of the Administrators and Power Users groups have Manage Printers permission by default. When you uninstall a printer driver, log on using an account that has Manage Printers permission.

1. **Close all the applications that are currently running.**
2. **Click [Start] on the taskbar, point to [Settings], and click [Printers].**
   The **[Printers]** window appears.

Note

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

❒ With Windows XP Home Edition, access the **[Printers and Faxes]** window by clicking **[Start]** on the taskbar, Then click **[Control Panel]**, **[Printers and Other Hardware]** and then **[Printers and Faxes]**.

3 **Click to select the icon of the machine you want to remove.**

4 **On the [File] menu, click [Delete].**

A confirmation dialog box appears.

5 **Click [Yes] to uninstall the printer driver.**

Note

❒ You can also uninstall the printer driver using the following procedure:

① In the **[Printers]** window, click **[Server Properties]** on the **[File]** menu to display the **[Print Server Properties]** dialog box.

② In the **[Drivers]** tab, click the driver you want to remove, and click **[Remove]**.

③ Click **[Yes]**.

④ Click **[OK]**.

Windows NT 4.0

Limitation

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

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

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

The **[Printers]** window appears.

3 **Click to select the icon of the machine you want to remove.**

4 **On the [File] menu, click [Delete].**

A confirmation dialog box appears.

5 **Click [Yes] to uninstall the printer driver.**

Error & Status Messages on the Display Panel

Messages/Second messages	Descriptions and Solutions
Cannot detect selected paper size. Set ### paper, then press **[OK]**.	Printing on paper with a size undetectable by the machine has been requested. Set an appropriate amount of paper in the Paper Feed Tray, and then press **[OK]** (When using Type B, press the 【OK】 key). Inconsistencies in the size of paper from the Paper Feed Tray will be ignored and printing will be performed. Press **[Job Reset]** to stop printing. **Note** ❒ "###" in the message represents a paper size.
Controller Communication Error	The communication between the controller and the engine is abnormal. First turn the power switch off and then on. If the message appears again, consult your sales or service representative.
Controller Error	The ROM is faulty. First turn the power switch off and then on. If the message appears again, consult your sales or service representative.
Making Master...	The master is being made.
NVRAM Error.	An error has occurred in the Memory Unit. First turn the power switch off and then on. If the message appears again, consult your sales or service representative.
Parallel Interface Error.	The parallel interface is abnormal. Consult your sales or service representative when using the parallel interface.
Printing	Data is being printed. Wait until the job is finished.
<Type A only> "Print is not finished." "Press **[fin PRNT]** for next mstr makg." (These messages appear alternatively.)	Printing is not finished. Printing has been interrupted. Perform one of the following procedures: • Press the 【Print】 key, and printing will restart. Before the print amount display reaches 0, press the 【Print】 key to print. • Press **[fin PRNT]**, and printing will stop. The interrupted prints will not be performed.

Messages/Second messages	Descriptions and Solutions
<Type B only> "Processing...(Online)" "Print is not finished (Online)" "Press **[finish PRNT]** key to start next mstr makg" (These messages appear repeatedly.)	Printing is not finished. Printing has been interrupted. Perform one of the following procedures: • Press the **【Print】** key, and printing will restart. When the printing is finished, the display returns to the initial display. • Press the **【OK】** key, and then the interrupted printing is cancelled. If there is the following print job, Master Making for it starts automatically. • Press the **【Job Reset】** key, and printing will stop. The interrupted prints will not be performed. If there is the following print job, these three messages appear again. If there is no print job, press the **【OK】** key to return to the intial display.
Processing	Data is being printed. Wait until the job is finished.
Ready for Master Making/Printing (Online) Ready for Master Making/Printing	The Master Making or print data is not in the spool. This is not an error. The message will change when printing starts from the computer.
Resetting Job...	The data spooled is dumped. Wait until the job is finished.
ROM Error.	The ROM inside the machine is abnormal. Consult your sales or service representative.
<Type A> Selected paper size is unavailable. Press **[MakeMstr]** to continue as is, or set ### paper then press **[OK]**.	The specified paper size has not been set. Set an appropriate amount of paper, and then press **[OK]**. **Note** ❒ "###" in the message represents a paper size.
<Type B> Selected paper size is unavailable. Press [Make Master] to continue as is,or set ###### paper, then press [OK].	The specified paper size has not been set. Set an appropriate amount of paper, and then press the **【OK】** key. "###" in the message represents a paper size.
Set ###### paper, then press [OK].	No paper in the Paper Feed Tray. After setting ### paper in the Paper Feed Tray, press **[OK]** (When using Type B, press the **【OK】** key) to continue. **Note** ❒ "###" in the message represents a paper size.
Add paper. Paper tray is not set. Open the papre tray.	No paper in the Paper Feed Tray, or the Paper Feed Tray is not set correctly. Make sure the Paper Feed Tray is set correctly and set an appropriate amount of paper. The error message will disappear.
Waiting...(Online)	Waiting for data from the computer. Wait until the job is finished.

Machine Does Not Print

Possible Cause	Solutions
Is the power on?	Turn on the machine.
Is the interface cable properly connected?	Connect the interface cable properly. If there are any connectors or screws, make sure that 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?	Be sure to connect the interface cable before turning on the main switch.
Is the machine Auto On Line?	Bring it Auto On Line by pressing the **【Auto On Line】** key.
Is the specified paper set?	Set the specified paper in the Paper Feed Tray.
Are there any error messages on the display panel?	Check the error message, and take the required action.
Does the Error indicator stay red?	Check the error message, and take the required action.
Is the Data In indicator blinking or lit?	If it is not, the data does not reach the machine. Check the printer cable connection. Also confirm that the printer port settings are correct.
Can you make a proof print?	If you cannot print a system configuration list or a PS Font List from the machine, the machine might be out of order. Contact your sales or service representative.
Is "Waiting" displayed?	Perform one of the following procedures: • Wait until the job is finished. • Cancel by pressing **[Job Reset]** (When using Type B, press the **【Job Reset】** key).

If you cannot solve the problem by taking the preceding actions, contact your sales or service representative.

Note

❒ If the Data In indicator is not blinking or lit, you can check the computer port settings using the following procedure:

❖ **If the machine is connected to the computer using the interface cable**

❒ Make sure the computer port settings are correct. For a parallel port connection, port LPT1 or LPT2 should be set.

- **Windows 95/98/Me**

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

② Click to select the icon of the machine. Next, on the **[File]** menu, click **[Properties]**.

③ Click the **[Details]** tab.

④ Check the **[Print to the following port]** box to make sure that the correct port is selected.

- **Windows 2000/Windows XP**

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

- With Windows XP Professional, access the **[Printers and Faxes]** window from **[Start]** on the taskbar.
- With Windows XP Home Edition, access the **[Printers and Faxes]**window by clicking **[Start]** on the taskbar. Then click **[Control Panel]**, **[Printers and Other Hardware]** and then **[Printers and Faxes]**.

② Click to select the icon of the machine. Next, on the **[File]** menu, click **[Properties]**.

③ Click the **[Port]** tab.

④ Check the **[Print to the following port]** box to make sure that the correct port is selected.

- **Windows NT 4.0**

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

② Click to select the icon of the machine. Next, on the **[File]** menu, click **[Properties]**.

③ Click the **[Port]** tab.

④ Check the **[Print to the following port]** box to make sure that the correct port is selected.

❖ **Network Connection**

❒ Contact your network administrator.

Other Printing Problems

Status	Possible Causes, Descriptions, and Solutions
Multiple pages are fed through the machine at once.	Remove all paper from the Paper Feed Tray and fan it gently to get air between the sheets. After that, load it back into the Paper Feed Tray .
The image is printed on the reverse side of the paper.	Load the paper the other way up.
Paper misfeeds occur frequently.	Check the paper size settings. The size set with the paper size dial might be different from the actual paper size. Make the correct dial setting.
	Use the recommended paper. Avoid using curled, folded, wrinkled, perforated or glossy paper.
The display panel error message stays on after removing the misfed paper.	Open the front cover of the machine and then close it.
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 2000/Windows XP only> Combine printing cannot be done as specified.	Make sure that the same orientation is set, as well as the same paper size set in the application. Check the **[Layout]** tab. If a different size has been set, select the correct paper size and orientation.
<Windows 2000/XP only> The set option cannot be selected in the print menu.	The option may not be set correctly. Set the option correctly in the **[Device Settings]** tab.
The same page is being master made many times.	Make sure to clear the "Collated" check box in the print dialog box of the application. < Windows 2000 only > Even if the check mark is cleared in the "Collated" check box, master making may be done everytime a page is going to be printed. In this case, make sure to clear the "Collated" check box displayed when selecting "Copy Count" in the **[Advanced Options]** dialog box of the printer driver.
Text put under a graphic is printed.	• Windows 95/98/Me Select **[Print True Type as graphics]** in **[Fonts]** tab. • Windows 2000/XP Click **[Advanced]** on the **[Paper/Quality]** or **[Layout]** tab to display the **[Advanced Options]** dialog box, and then select "Disable" in **[Print Optimizations]** in **[Document Options]**.
When using custom sized paper, the print image cannot be printed exactly as it appears on the screen.	Set the paper transversally on the Paper Feed Tray. Enter the size of the paper in the **[Width]** and **[Height]** (or **[Length]**) boxes on the computer.

5. Using the Control Panel

Though the default of the machine are suitable for most printing jobs, “Online Parameter Settings” gives you access to a number of settings that control basic printer operations. The Online Parameter settings you make are retained even when you turn off the machine.

Reference

For more information about settings other than the Online Parameter settings, see *Operating Instructions*.

Adjusting Online Parameter Settings

Online Parameter Settings Menu

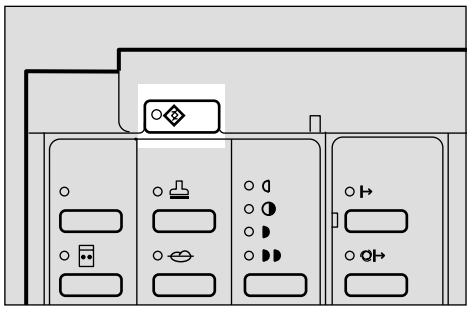
There are nine menu items in the “Online Parameter Settings” menu.

- Set aut-O/L def.
- Print Size def.
- List/Test Print
- IP Address
- Ethernet Speed
- Network
- I/O Timeout
- I/O Buffer
- Menu Reset

Accessing the Online Parameter Settings

Type A

1. **Press the 【User Tools】 key.**



2. **Press [Next].**
3. **Select [7 Set O/L Paramet's] using the 【◁】, 【▷】, 【△】 or 【▽】 keys.**
4. **Press [OK].**

   The Online Parameter Settings item appears.
5. **Select the item you want to change, and then press [OK].**
6. **Make any settings you require, and then press [OK].**

   Note

   ❒ To change the value entered, press the **【Clear/Stop】** key before pressing the **[OK]** key. Then enter the new value.

   ❒ Press **[Cancel]** to return to the previous menu without changing any data.
7. **Press the 【User Tools】 key to return to the standby display.**

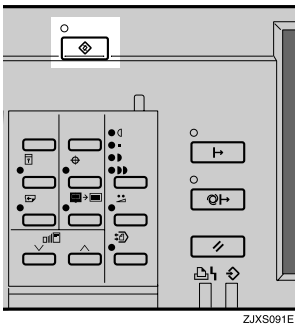
   Note

   ❒ The settings are not canceled even if the main switch is turned off or the **【Clear Modes/Energy Saver】** key is pressed.

   ❒ You can also return to the standby display by pressing the **[Cancel]** key.

Type B

1 **Press the【User Tools】key.**



2 **Select [6 Online Paramet's] using the【◁】or【▷】keys.**

3 **Press the【OK】key.**

The Online Parameter Settings item appears.

4 **Select the item you want to change, and then press the【OK】key.**

5 **Make any settings you require, and then press the【OK】.**

Note

❒ To change the value entered, press the【Clear/Stop】key before pressing the【OK】key. Then enter the new value.

❒ Press the【Cancel】key to return to the previous menu without changing any data.

6 **Press the【User Tools】key to return to the standby display.**

Note

❒ The settings are not canceled even if the main switch is turned off or the【Clear Modes/Energy Saver】key is pressed.

❒ You can also return to the standby display by pressing the【Cancel】key.

Online Parameter Settings

No.	Mode	Description
1	Set aut-O/L def.	Sets Auto On Line to "ON" or "OFF" when the power has been turned on, or when the mode has been cleared. **Note** ❒ Default: *ON*
2	Print Size def.	Sets the print size selected when the power has been turned on or when the mode has been cleared. **Note** ❒ Default: *Auto*
3	List/Test Print	Prints the current set content of this machine. **Note** ❒ Default: *System Print*
5	IP Address	Sets the IP Address. **Note** ❒ Default: *011.022.033.044* **Reference** See *Printer Reference 1* for information about the IP Address setting.
6	Ethernet Speed	Sets the Ethernet communication speed. **Note** ❒ Default: *Auto*
7	Network	Sets the Network boot. **Note** ❒ Default: *None* **Reference** See *Printer Reference 1* for information about the Network boot setting.
8	I/O Timeout	Sets the time to enable the interface after data stops being received. When the time set here is exceeded, it will be possible to receive data from the other interface. **Important** ❒ If the set time is too short, a time out might occur while one data is being received. As a result, data from another interface might cut in and be printed, or the emulation retrieval from half of the data may be activated, and be replaced with a different emulation. **Note** ❒ Default: *30 sec.*

No.	Mode	Description
9	I/O Buffer	Sets the capacity of the reception buffer. **Note** ❒ Default: *512KB*
10	Menu Reset	You can reset the factory settings. However, the “IP Address”, “Network”, and the “Ethernet Speed” settings do not change.

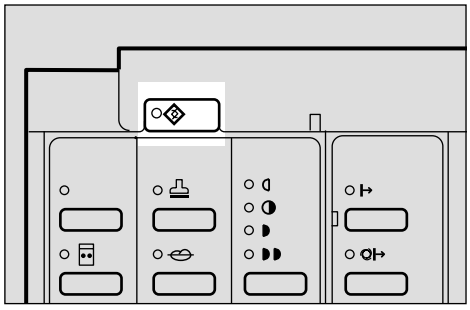
Machine Condition

We recommend that you print the system configuration list and check the current system settings before changing them.

Printing the System Configuration List

Type A

1. **Press the [User Tools] key.**

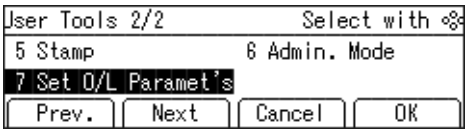


The User Tools screen is displayed.

2. **Press [Next].**

3. **Select [7 Set O/L Paramet's] using the [◁], [▷], [△] or [▽] keys.**

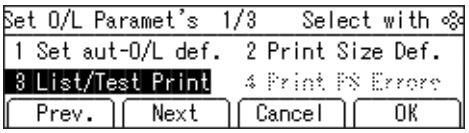
4. **Press [OK].**



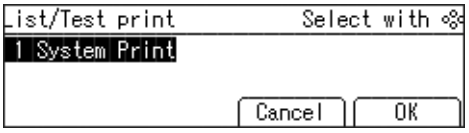
The online print settings screen appears.

5. **Select [3 List/Test Print] using the scroll key.**

6. **Press [OK].**



7 **Make sure that [1 System Print] is selected and press [OK].**



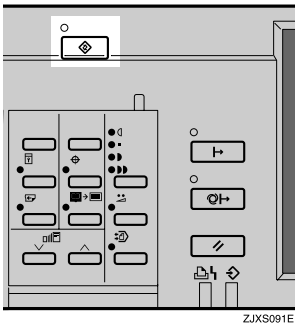
"Press the [Start] key to begin making the master." appears.

8 **Press the 【Start】 key.**

The system configuration list is printed.

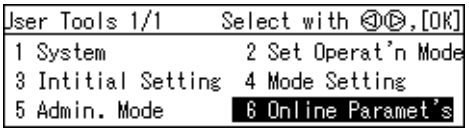
Type B

1 **Press the 【User Tools】 key.**



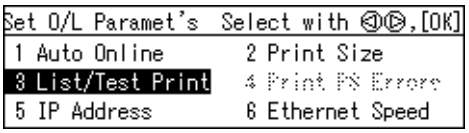
2 **Select [6 Online Paramet's] using the 【◁】 or 【▷】 keys.**

3 **Press the 【OK】 key.**

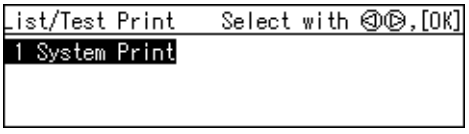


4 **Select [3 List/Test Print].**

5 **Press the 【OK】 key.**



6 **Make sure [1 System Print] is selected, and then press the 【OK】.**



"Press **[Make Master]** to begin making the master." appears.

7 **Press the【Make Master】key.**

The system configuration list is printed.

Specifications

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

Component	Specification
Resolution	400 dpi, 600 dpi
Parallel Interface	Standard 36-pin printer cable and a parallel port on the host computer. IEEE1284 **Note** ❒ Do not use a parallel cable that is longer than 3 meters (10 feet).
LAN interface	100BASE-TX, 10BASE-T
Printer Language	Raster Printer Language
Frame type	EthernetII, IEEE802.2, IEEE802.3, SNAP
Protocol	• TCP/IP Windows 95 Windows 98 Windows Me Windows 2000 Windows XP Windows NT 4.0 • IPX/SPX NetWare 3.12, 3.2, 4.1, 4.11, 4.2, 5, 5.1 IntranetWare • NetBEUI *1 Windows 95 Windows 98 Windows Me Windows 2000 Windows NT 4.0 • IPP Windows 95 Windows 98 Windows Me Windows 2000 Windows XP Windows NT 4.0
SNMP	MIB-II, PrinterMIB, HostResourceMIB, RicohPrivateMIB

*1 To use NetBEUI, use the SmartDeviceMonitor for Client port.

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