



# RICOH-SCRIPT2

## Operating Instructions



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**

To get maximum versatility from this machine all operators should carefully read and follow the instructions in this manual. Please keep this manual in a handy place near the machine.

Please read the Safety Information in the "Printer Reference" that comes with the printer 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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## **Note**

The proper names of Windows operating system are as follows:

- Microsoft® Windows® 95 operating system
- Microsoft® Windows® 98 operating system
- Microsoft® Windows® 2000 Professional
- Microsoft® Windows® 2000 Server
- Microsoft® Windows NT® Server operating system Version 4.0
- Microsoft® Windows NT® Workstation operating system Version 4.0

# How to Read This Manual

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## Symbols

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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.

# TABLE OF CONTENTS

## 1. Using RICOH-SCRIPT2 with Windows

---

<b>Using RICOH-SCRIPT2 with Windows 95/98</b> .....	<b>1</b>
Printer Properties Tabs and Their Settings .....	1
<b>Using RICOH-SCRIPT2 with Windows 2000</b> .....	<b>7</b>
Printer Properties Tabs and Their Settings .....	7
Printing Preferences Tabs and Their Settings .....	8
<b>Using RICOH-SCRIPT2 with Windows NT 4.0</b> .....	<b>13</b>
Printer Properties Tabs and Their Settings .....	13
Default Document Properties Tabs and Their Settings .....	15
<b>Windows Network Environment</b> .....	<b>20</b>
<b>Windows Headers</b> .....	<b>21</b>
Sending Header Data.....	21

## 2. Using RICOH-SCRIPT2 with a Macintosh

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<b>Using RICOH-SCRIPT2 with a Macintosh</b> .....	<b>23</b>
Option Setup Dialog .....	23
<b>Setting up for Printing</b> .....	<b>24</b>
Setting up Print Options .....	24

## 3. Appendix

---

<b>Printer Memory and VM Area</b> .....	<b>31</b>
<b>Specifications</b> .....	<b>32</b>
<b>Precautions for RICOH-SCRIPT2</b> .....	<b>33</b>
Differences between RICOH-SCRIPT2 and “PostScript Language Reference Manual, Second Edition” .....	33
Other Precautions .....	33
<b>INDEX</b> .....	<b>34</b>

# 1. Using RICOH-SCRIPT2 with Windows

## Using RICOH-SCRIPT2 with Windows 95/98

For operation under Windows 95/98, you should install both the Windows 95/98 PostScript printer driver and the PPD file.

This documentation describes the specific printer functions and menus that are added by installing the PPD file. For details about the functions and menus of the Windows 95/98 PostScript printer driver, see the printer driver's Help.

### Note

- Be sure to install the PPD file for Windows 95/98. Do not install the PPD file for Windows 2000 or Windows NT 4.0 accidentally.

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## Printer Properties Tabs and Their Settings

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This section describes the Printer Properties tabs and the settings that are specific to this printer. The **[General]**, **[Details]**, **[Sharing]**, and **[Color Management]** tabs are standard Windows tabs.

### Reference

For more information about these tabs, see the documentation that comes with your Windows operating system.

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## [Paper] tab

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### ❖ Paper size

Use this to select the size of paper you want to use.

#### Reference

For more information about the paper sizes supported by this printer, see P.32 "Specifications".

### ❖ Paper source

Use this to select the paper tray you want to use. The following items are available: **[AutoSelect Tray]**, **[Bypass Tray]**, **[Tray 1]**, **[Tray 2]** (option) and **[Tray 3]** (option).

### Note

- If the paper tray you want to use is not available here even though it is physically installed, use the **[Device Options]** tab to make the printer recognize the tray correctly. ⇒ P.4 "[Device Options] tab"

❖ **Copies**

Use this to set the number of copies of a print job.

 **Note**

- With some applications, the number of copies specified with the application takes priority over the number of copies specified with the printer driver.

❖ **More Options**

Click to open the **[More Paper Options]** dialog box. ⇒ P.2 "*[More Paper Options] dialog box*"

- **Simplex printer**  
You can select the paper type in this dialog box.
- **Duplex printer**  
You can select the page orientation for duplex printing and the paper type in this dialog box.

❖ **About**

Click to display the printer driver copyright and version information.

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**[More Paper Options] dialog box**

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❖ **Printing on both sides (duplex printing)**

Use this to set the duplex printing. The following items are available: **[None]**, **[Flip on long edge]** and **[Flip on short edge]**.

 **Note**

- This setting is available for only the duplex printer.
- You can select long-edge feed or short-edge feed regardless of feed and print direction.

❖ **Paper type**

Use this to select the paper type. The following items are available: **[Plain Paper]**, **[OHP Transparency]**, **[Thick Paper]**, **[Plain (Duplex Backside)]** and **[Thick (Duplex Backside)]**.

 **Note**

- Selecting **[OHP Transparency]** as the paper type automatically adjusts internal settings to use a color profile specifically for OHP transparencies. Even though the color profile has been optimized for OHPs, the adjustments are automatic and are not indicated in any of the dialog boxes. In this case, the "Color Profile" setting on the **[Device Options]** tab is not enabled.

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**[Graphics] tab**

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**❖ Resolution**

Resolution is fixed at 600 dpi.

**❖ Color control**

Use this to select whether or not you want the colors in the documents to be adjusted before printing so that the printed page more closely matches the colors on the screen.

**❖ Halftoning**

Select the halftone pattern you want to use for printing. The following items are available: **[Use printer's settings]** and **[Use settings below]**.

 **Note**

- You can select **[Use settings below]**, but you cannot modify **[Screen frequency:]** or **[Screen angle:]**.

**❖ Special**

Use this to control the print image. Checking a check box changes the icon on the left so that it reflects the option you select.

- **Print as a negative image**

Select this option to print a negative image, which is produced by replacing the three primary colors with their complementary colors, and by reversing black and white.

 **Note**

- Using negative image printing to output a color image might produce unexpected results.
- **Print as a mirror image**

Select this option to print a mirror image of the document by reversing the horizontal coordinates.

**❖ Scaling**

Use this to enlarge or reduce the original document.

The range of values can be changed between 25 to 400 %.

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**[Fonts] tab**

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Use this tab to select the TrueType font printing method.

If you select **[Send TrueType fonts to printer according to the font Substitution Table]**, you can edit the table. Clicking **[Edit the Table]** on the **[Fonts]** tab displays the **[Font Substitution Table]** dialog box. You can use this dialog box to specify which TrueType fonts should be replaced with built-in printer fonts.

## ❖ Using substitute fonts

- ① Open the **[Font Substitution Table]** dialog box.
- ② In the **[For this TrueType font:]** list in the upper part of the dialog box, click the TrueType font which you want to use as a substitution font.
- ③ Use the **[Printer font for:]** list box to select the printer font you want to use.
- ④ Click **[OK]**.

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## **[Device Options] tab**

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This tab includes settings that should be made after the printer driver is installed. These settings optimize the printer configuration.

### ❖ Available printer memory

Shows the amount of memory installed on the printer. You normally do not need to change this setting.

### ❖ Printer features

Shows settings that are specific for the printer. These features can be changed using the **[Change settings for:]** list box. The following is a list of available settings.

- **Auto Tray Switch**

Turning on this setting tells the printer to automatically switch to the other tray if it has the same paper size as the current tray when paper runs out while printing.

- **Gradation**

Use this to set the printing mode to **[Fast]** or **[Standard]**.

- **Color Mode**

Use this to set the output color to **[Black and White]** or **[Color]**.

- **Color Setting**

Use this to set the correction method used for the color conversion. The following items are available: **[Off]**<sup>\*1</sup>, **[Vivid]**<sup>\*2</sup>, **[Super Vivid]**<sup>\*3</sup>, **[Fine]**<sup>\*4</sup>, **[Super Fine]**<sup>\*5</sup>.

<sup>\*1</sup> No modification to the color setting.

<sup>\*2</sup> Select this setting to perform CMYK conversion with enhanced saturation and brightness to print vivid colors.

<sup>\*3</sup> Select this setting to perform CMYK conversion. The colors printed with this setting are more vivid than those printed with the **[Vivid]** setting. All of the colors in the image, especially the lighter ones, are emphasized.

<sup>\*4</sup> Select this setting to perform color matching based on the printer's built-in color rendering dictionaries, and perform CMYK conversion. It makes it possible to print colors that are close to the displayed colors on the computer screen.

The color rendering dictionaries refer to the contents selected by the "Color Profile" setting. This setting is useful when the application and printer driver do not support the color matching features.

<sup>\*5</sup> Like the **[Fine]** setting, the color rendering dictionary is used, however, output is more vivid. This setting is enabled to make light colors print more vividly.



 **Note**

- The color rendering dictionary that is selected in the “Color Profile” setting is used.

- **Color Profile**

Use this to select a color rendering dictionary (CRD). The CRD is referred to for color matching, so you should select the appropriate CRD for the document you are printing. The CRD you select is also referred to when **[Fine]** or **[Super Fine]** is selected for “Color Setting”. The following items are available: **[Photograph]** <sup>\*1</sup>, **[Presentation]** <sup>\*2</sup> and **[Solid Color]** <sup>\*3</sup>.

 **Note**

- When selecting **[OHP Transparency]** as the paper type, the CRD automatically adjusts to a color profile specifically for OHP. Even though the color profile has been optimized for OHP, the adjustments are automatic and are not indicated on any of the dialog boxes. In this case, this setting is not enabled.

<sup>\*1</sup> Use this setting to enhance the reproduction of photos and graphics that include midtones.

<sup>\*2</sup> Use this setting to enhance the reproduction of documents that contain text and graphics. This CRD is best for printing colored charts, graphs, presentation materials and so on. If you use this CRD for printing photographs, color or gradations might not be reproduced well.

<sup>\*3</sup> Use this setting to print specific colors, logos and so on.

- **Black Text/Graphics**

Use this to select the black color mode to **[K]** or **[CMY+K]**.

 **Note**

- If **[K]** is selected, the black parts of text and graphics are printed with only black toner.

- **Toner Saving**

Use this to set Toner Saving to **[Off]** or **[On]**.

 **Note**

- Turning on toner saving can cause the output to become blurred and result in very thin lines not printing at all. In the case of color printing, toner saving can cause colors to be different from those expected. Because of this, use toner saving only for proofing and intermediate drafts, and turn it off for final prints when top quality is important.

- **Dithering**

Use this to set the image rendering mode. The following items are available: **[Auto]**, **[Photographic]** and **[Text]**.

- **Statistics Code**

Use this to set **[On]** or **[Off]**.

If **[On]** is selected, User Code “99999999” and User ID “RPS2” will be fixed.

If **[Off]** is selected, User Code “Other” and User ID “?” will be fixed.

 **Reference**

For more information about User Code, see the “Printer Reference” included as a PDF file on the CD-ROM.

### ❖ Installable options

This box shows the options installed in the printer.

When selecting an option inside the upper list of this group, its current setting appears in the **[Change setting for:]** box. The following settings are available in the **[Change settings for:]** box.

For the optional tray unit: **[None]**, **[Tray 2]**, **[Tray 3]**.

For the optional memory unit (VMOption): **[32 MB RAM]** (only the simplex printer), **[64 MB RAM]**, **[96 MB RAM]**, **[128 MB RAM]**, **[160 MB RAM]**, **[192 MB RAM]**, **[256 MB RAM]**.

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## **[PostScript] tab**

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Use this tab to set the output format of the PostScript files and the data processing method.

On the **[PostScript]** tab, click **[Advanced]** to display the **[Advanced PostScript Options]** dialog box.

### ❖ When the printer is connected to the network.

Clear both **[Send CTRL+D before job]** and **[Send CTRL+D after job]**.

### ❖ When the printer is connected to the computer via a parallel cable.

Select both **[Send CTRL+D before job]** and **[Send CTRL+D after job]**. Also, confirm that **[ASCII data]** is selected. If it is not selected, select it.

### Reference

For more information about the network, see P.20 *"Windows Network Environment"*.

For more information about the PostScript headers, see P.21 *"Windows Headers"*.

# Using RICOH-SCRIPT2 with Windows 2000

For operation under Windows 2000, you should install both the Windows 2000 PostScript printer driver and the PPD file.

This documentation describes the specific printer functions and menus that are added by installing the PPD file. For details about the functions and menus of the Windows 2000 PostScript printer driver, see the printer driver's Help.

## Limitation

- Installing a printer driver requires Administrators permission. When you install a printer driver, log on using an account that has Administrators permission.
- Be sure to install the PPD file for Windows 2000. Do not accidentally install the PPD file for Windows 95/98 or Windows NT 4.0.

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## Printer Properties Tabs and Their Settings

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This section describes the settings of the tabs that are specific to this printer.

## Limitation

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

## Reference

The **[General]**, **[Sharing]**, **[Ports]**, **[Advanced]**, **[Color Management]** and **[Security]** tabs are Windows 2000 standard tabs. For more information about these tabs, see the documentation that comes with your Windows operating system.

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## **[Device Settings] tab**

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### ❖ **Form to Tray Assignment**

You normally do not need to change this setting.

#### **Note**

- If the paper tray you want to use is not available here, even though it is physically installed, use **[Option Tray]** on the **[Device Settings]** tab to make the printer recognize the tray correctly.

### ❖ **Font Substitution Table**

Use this to edit the TrueType font substitution table. Under **[Font Substitution Table]**, the TrueType fonts installed on the computer are displayed. Select the setting you want to use from the list boxes for each TrueType font.

**❖ Available PostScript Memory**

Shows the amount of memory installed on the printer. You normally do not need to change this setting.

**Note**

- You can change this setting by changing the memory setting in **[Installable Options]**.

**❖ Send CTRL-D Before Each Job, Send CTRL-D After Each Job**

When the printer is connected to the network, select **[No]** for both **[Send CTRL-D Before Each Job]** and **[Send CTRL-D After Each Job]**

When the printer is connected to the computer via parallel cable, select **[Yes]** both for **[Send CTRL-D Before Each Job]** and **[Send CTRL-D After Each Job]**.

**❖ Job Timeout**

Use this to set a job timeout period in the range of 0 to 32767 seconds. Setting the value to 0 turns the job timeout off.

**❖ Wait Timeout**

Use this to set a wait timeout period in the range of 0 to 32767 seconds. Setting the value to 0 turns the wait timeout off.

**❖ Installable Options**

- **Total Printer Memory**  
Use this to select the amount of memory actually installed in the printer. The following items are available: **[32 MB]** (only the simplex printer), **[64 MB]**, **[96 MB]**, **[128 MB]**, **[160 MB]**, **[192 MB]** and **[256 MB]**.
- **Option Tray**  
Use this to select if the optional tray is installed in the printer. The following items are available: **[None]**, **[Tray 2]** and **[Tray 3]**.

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## Printing Preferences Tabs and Their Settings

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**Limitation**

- Changing the printer settings requires Manage Printers permission. Members of the Administrators and Power Users groups have Manage Printers permission by default. When you set up options, log on using an account that has Manage Printers permission.
- General users can change the settings in an application's **[Print]** dialog box.

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### **[Layout] tab**

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**❖ Print on Both Side(Duplex)**

Use this to set the duplex printing.

The following items are available: **[None]**, **[Flip on Short Edge]** and **[Flip on Long Edge]**.

### **Limitation**

- This setting is available for only the duplex printer.

### **Note**

- You can select long-edge feed or short-edge feed regardless of feed and print direction.

### ❖ **Advanced**

Click to open the **[Advanced Options]** dialog box. ⇒ P.10 “[*Advanced Options*] dialog box”

## **[Paper/Quality] tab**

### ❖ **Tray Selection**

- **Paper Source**

Use this to select the tray from which you want paper to be fed for printing. The following items are available: **[Automatically Select]**, **[Bypass Tray]**, **[Tray 1]**, **[Tray 2]** (option) and **[Tray 3]** (option).

#### **Note**

- If you cannot select an optional tray even though it is physically installed on the printer, use **[Installable Options]** on the **[Device Settings]** tab to correctly set up the option.

- **Media**

Use this to select the paper type as **[Plain Paper]**, **[OHP Transparency]**, **[Thick Paper]**, **[Plain (Duplex Backside)]** or **[Thick (Duplex Backside)]**.

#### **Note**

- Selecting **[OHP Transparency]** as the paper type automatically adjusts internal settings to use a color profile specifically for OHP transparencies. Even though the color profile has been optimized for OHPs, the adjustments are automatic and are not indicated in any of the dialog boxes. In this case, the “Color Profile” setting in the **[Advanced Options]** dialog box is not enabled.

### ❖ **Color**

Use this to set the output color. The following items are available: **[Black and White]** and **[Color]**.

### ❖ **Advanced**

Click to open the **[Advanced Options]** dialog box. ⇒ P.10 “[*Advanced Options*] dialog box”

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## [Advanced Options] dialog box

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### ❖ Paper/Output

- **Paper Size**  
Shows the currently selected paper size. You can use the list box to select another paper size if you want.

#### **Reference**

For more information about the paper sizes supported by this printer, see P.32 “Specifications”.

- **Copy Count**  
Use this to set the number of copies of a print job.

#### **Important**

- With some applications, the number of copies specified with the application takes priority over the number of copies specified with the printer driver.

### ❖ Graphic

- **Image Color Management**  
Use this to set the Image Color Management (ICM).
- **Scaling**  
Use this to enlarge or reduce the original document.  
The range of values can be changed between 25 to 400 %.
- **TrueType Font**  
Use this to set the TrueType font printing method. Selecting **[Substitute with Device Font]** causes TrueType fonts to be replaced with the printer's fonts in accordance with the font substitution table.

### ❖ Document Options

- **Auto Tray Switch**  
Turning on this setting tells the printer to automatically switch to the other tray if it has the same paper size as the current tray when paper runs out while printing.
- **Gradation**  
Use this to set the printing mode to **[Fast]** or **[Standard]**.
- **Color Mode**  
Use this to set the output color to **[Black and White]** or **[Color]**.
- **Color Setting**  
Use this to set the correction method used for the color conversion. The following items are available: **[Off]** <sup>\*1</sup>, **[Vivid]** <sup>\*2</sup>, **[Super Vivid]** <sup>\*3</sup>, **[Fine]** <sup>\*4</sup> and **[Super Fine]** <sup>\*5</sup>.

<sup>\*1</sup> No modification to the color setting.

<sup>\*2</sup> Select this setting to perform CMYK conversion with enhanced saturation and brightness to print vivid colors.

\*3 Select this setting to perform CMYK conversion. The colors printed with this setting are more vivid than those printed with the **[Vivid]** setting. All of the colors in the image, especially the lighter ones, are emphasized.

\*4 Select this setting to perform color matching based on the printer's built-in color rendering dictionaries, and perform CMYK conversion. It makes it possible to print colors that are close to the displayed colors on the computer screen.

The color rendering dictionaries refer to the contents selected by the "Color Profile" setting. This setting is useful when the application and printer driver do not support the color matching features.

\*5 Like the **[Fine]** setting, the color rendering dictionary is used, however, output is more vivid. This setting is enabled to make light colors print more vividly.

#### **Note**

The color rendering dictionary that is selected in the "Color Profile" setting is used.

#### • **Color Profile**

Use this to select a color rendering dictionary (CRD). The CRD is referred to for color matching, so you should select the appropriate CRD for the document you are printing. The CRD you select is also referred to when **[Fine]** or **[Super Fine]** is selected for "Color Setting". The following items are available: **[Photograph]** \*1, **[Presentation]** \*2 and **[Solid Color]** \*3.

#### **Note**

When selecting **[OHP Transparency]** as the paper type, the CRD automatically adjusts to a color profile specifically for OHP. Even though the color profile has been optimized for OHP, the adjustments are automatic and are not indicated on any of the dialog boxes. In this case, this setting is not enabled.

\*1 Use this setting to enhance the reproduction of photos and graphics that include midtones.

\*2 Use this setting to enhance the reproduction of documents that contain text and graphics. This CRD is best for printing colored charts, graphs, presentation materials and etc. If you use this CRD for printing photographs, color or gradations might not be reproduced well.

\*3 Use this setting to print specific colors, logos and so on.

#### • **Black Text/Graphics**

Use this to select the black color mode to **[K]** or **[CMY+K]**.

#### **Note**

If **[K]** is selected, the black parts of text and graphics are printed with only black toner.

#### • **Toner Saving**

Use this to set Toner Saving to **[Off]** or **[On]**.

#### **Note**

Turning on toner saving can cause the output to become blurred and result in very thin lines not printing at all. In the case of color printing, toner saving can cause colors to be different from those expected. Because of this, use toner saving only for proofing and intermediate drafts, and turn it off for final prints when top quality is important.

- **Dithering**

Use this to select the image rendering mode. The following items are available: **[Auto]**, **[Photographic]** and **[Text]**.

- **Paper Type**

Use this to select the paper type as **[Plain Paper]**, **[OHP Transparency]**, **[Thick Paper]**, **[Plain (Duplex Backside)]** or **[Thick (Duplex Backside)]**.

 **Note**

- Selecting **[OHP Transparency]** as the paper type automatically adjusts internal settings to use a color profile specifically for OHP transparencies. Even though the color profile has been optimized for OHPs, the adjustments are automatic and are not indicated in any of the dialog boxes. In this case, the “Color Profile” setting in the **[Advanced Options]** dialog box is not enabled.

- **Statistics Code**

Use this to set **[On]** or **[Off]**.

If **[On]** is selected, User Code “99999999” and User ID “RPS2” will be fixed.

If **[Off]** is selected, User Code “Other” and User ID “?” will be fixed.

 **Reference**

For more information about User Code, see the “Printer Reference” included as a PDF file on the CD-ROM.



# Using RICOH-SCRIPT2 with Windows NT 4.0

For operation under Windows NT 4.0, you should install both the Windows NT 4.0 PostScript printer driver and the PPD file.

This documentation describes the specific printer functions and menus that are added by installing the PPD file. For details about the functions and menus of the Windows NT 4.0 PostScript printer driver, see the printer driver's Help.

## Limitation

- Installing 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 install a printer driver, log on under Full Control permission.
- We recommend that you upgrade your Windows NT 4.0 operating system to the latest version before installing the printer driver. Contact your Windows retailer for details about the latest version available.
- Be sure to install the PPD file for Windows NT 4.0. Do not accidentally install the PPD file for Windows 95/98 or Windows 2000.

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## Printer Properties Tabs and Their Settings

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This section describes the settings of the tabs that are specific to this printer.

## Limitation

- Changing the printer settings requires Full Control access permission. Members of the Administrators, Server Operators, Print Operators, and Power Users groups have Full Control permission by default. When you set up options, log on using an account that has Full Control permission.

## Reference

The **[General]**, **[Port]**, **[Scheduling]**, **[Sharing]**, and **[Security]** tabs are Windows NT 4.0 standard tabs. For more information about these tabs, see the documentation that comes with your Windows operating system.

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## **[Device Settings] tab**

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The current setting appears in the lower part of the dialog box when you click a setting item. Select the setting you want to use for the selected item.

### ❖ Available PostScript Memory

Shows the amount of memory installed on the printer. You normally do not need to change this setting.

 **Note**

- You can change this setting by changing the memory setting in **[Installable Options]**.

**❖ Halftone**

Select the halftone pattern you want to use for printing. The following items are available: **[Use Printer Halftone]** and **[Use System Halftone]**.

 **Note**

- You can select **[Use settings below]**, but you cannot modify **[Screen frequency]** or **[Screen angle]**.

**❖ Halftone Setup**

You can change the halftone settings.

**❖ Form to Tray Assignment**

You normally do not need to change this setting.

 **Note**

- If the paper tray you want to use is not available here, even though it is physically installed, use the **[Device Settings]** tab to make the printer recognize the tray correctly.

**❖ Font Substitution Table**

Use this to edit the TrueType font substitution table. Under **[Font Substitution Table]**, the TrueType fonts installed on the computer are displayed. Select the setting you want to use from **[Change Setting]** for each TrueType font.

**❖ Job Timeout**

Use this to set a job timeout period in the range of 0 to 32767 seconds. Setting the value to 0 turns the job timeout off.

**❖ Wait Timeout**

Use this to set a wait timeout period in the range of 0 to 32767 seconds. Setting the value to 0 turns the wait timeout off.

**❖ Total Printer Memory**

Use this to select the amount of memory actually installed in the printer. The following items are available: **[32 MB]** (only the simplex printer), **[64 MB]**, **[96 MB]**, **[128 MB]**, **[160 MB]**, **[192 MB]** and **[256 MB]**.

**❖ Option Tray**

Use this to select if the optional tray is installed in the printer. The following items are available: **[None]**, **[Tray 2]** and **[Tray 3]**.

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## Default Document Properties Tabs and Their Settings

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### Limitation

- Changing the printer settings requires Full Control access permission. Members of the Administrators, Server Operators, Print Operators, and Power Users groups have Full Control permission by default. When you set up options, log on using an account that has Full Control permission.
- General users can change the settings in an application's **[Print]** dialog box.

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### **[Page Setup] tab**

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#### ❖ Page Size

Shows the currently selected paper size. You can use the list box to select another paper size if you want.

#### Note

- All paper sizes that can be used with Windows NT 4.0 are displayed, however, only the paper sizes supported by the printer can be selected. For more information about the paper sizes supported by this printer, see P.32 "*Specifications*".

#### ❖ Paper Source

Use this to select the tray from which you want paper to be fed for printing. The following items are available: **[Automatically Select]**, **[Bypass Tray]**, **[Tray 1]**, **[Tray 2]** (option) and **[Tray 3]** (option).

#### Note

- If you cannot select an optional tray even though it is physically installed on the printer, use **[Option Tray]** on the **[Device Settings]** tab to correctly set up the option.

#### ❖ Copy Count

Use this to set the number of copies of a print job.

#### Important

- With some applications, the number of copies specified with the application takes priority over the number of copies specified with the printer driver.

#### ❖ Orientation

Use this to select how the document is positioned on the page. The following items are available: **[Portrait]**, **[Landscape]** and **[Rotated]**.

#### ❖ Print on Both Sides (Duplex Printing)

Use this to set the duplex printing. The following items are available: **[None]**, **[Short Side]** and **[Long Side]**.

 **Limitation**

- This setting is available for only the duplex printer.

 **Note**

- You can select long-edge feed or short-edge feed regardless of feed and print direction.

**❖ Color Appearance**

Use this to set the output color. The following items are available: **[Gray Scale]** and **[Color]**.

 **Note**

- Some files which include the JPEG, BMP or PSD (Photoshop) data might be printed in color even though Grayscale is selected in Color Appearance. In this case, if you want to print a whole document in the grayscale mode, you must select **[Black and White]** in **[Change 'Color Mode' Setting]** on the **[Advanced]** tab.

---

**[Advanced] tab**

---

The current setting appears in the lower part of the dialog box by clicking a setting item. Select the setting you want to make for the selected item.

**❖ Paper/Output**

- **Paper Source**  
Use this to select the tray from which you want paper to be fed for printing. The following items are available: **[Automatically Select]**, **[Bypass Tray]**, **[Tray 1]**, **[Tray 2]** (option) and **[Tray 3]** (option).

 **Note**

- If you cannot select an optional tray even though it is physically installed on the printer, use **[Installable Options]** on the **[Device Settings]** tab to correctly set up the option.

**❖ Graphic**

- **Resolution**  
Resolution is fixed to 600 dpi.
- **Color Appearance**  
Use this to set the output color. The following items are available: **[Gray Scale]** and **[Color]**.
- **Scaling**  
Use this to enlarge or reduce the original document.
- **TrueType Font**  
Use this to set the TrueType font printing method. Selecting **[Substitute with Device Font]** causes TrueType fonts to be replaced with the printer's fonts in accordance with the font substitution table.

## ❖ Document Options

- **Mirrored Output**

Select this option to print a mirror image of the document by reversing the horizontal coordinates.

- **Negative Output**

Select this option to print a negative image, which is produced by replacing the three primary colors with their complementary colors, and by reversing black and white.

 **Note**

Using negative image printing to output a color image might produce unexpected results.

- **Send CTRL-D Before Each Job and Send CTRL-D After Each Job**

When the printer is connected to the network, select **[No]** for both **[Send CTRL-D Before Each Job]** and **[Send CTRL-D After Each Job]**

When the printer is connected to the computer via parallel cable, select **[Yes]** both for **[Send CTRL-D Before Each Job]** and **[Send CTRL-D After Each Job]**.

- **Halftone Color Adjustment**

Use this to adjust the halftone settings.

## ❖ Printer Features

- **Auto Tray Switch**

Turning on this setting tells the printer to automatically switch to the other tray if it has the same paper size as the current tray when paper runs out while printing.

- **Gradation**

Use this to set the number of colors used per dot to **[Fast]** or **[Standard]**.

- **Color Mode**

Use this to set the output color to **[Black and White]** or **[Color]**.

- **Color Setting**

Use this to set the correction method used for the color conversion. The following items are available: **[Off]** <sup>\*1</sup>, **[Vivid]** <sup>\*2</sup>, **[Super Vivid]** <sup>\*3</sup>, **[Fine]** <sup>\*4</sup> and **[Super Fine]** <sup>\*5</sup>.

<sup>\*1</sup> No modification to the color setting.

<sup>\*2</sup> Select this setting to perform CMYK conversion with enhanced saturation and brightness to print vivid colors.

<sup>\*3</sup> Select this setting to perform CMYK conversion. The colors printed with this setting are more vivid than those printed with the **[Vivid]** setting. All of the colors in the image, especially the lighter ones, are emphasized.

<sup>\*4</sup> Select this setting to perform color matching based on the printer's built-in color rendering dictionaries, and perform CMYK conversion. It makes it possible to print colors that are close to the displayed colors on the computer screen.

The color rendering dictionaries refer to the contents selected by the "Color Profile" setting. This setting is useful when the application and printer driver do not support the color matching features.

<sup>\*5</sup> Like the **[Fine]** setting, the color rendering dictionary is used, however, output is more vivid. This setting is enabled to make light colors print more vividly.

 **Note**

- The color rendering dictionary that is selected in the “Color Profile” setting is used.

- **Color Profile**

Use this to select a color rendering dictionary (CRD). The CRD is referred to for color matching, so you should select the appropriate CRD for the document you are printing. The CRD you select is also referred to when **[Fine]** or **[Super Fine]** is selected for “Color Setting”. The following items are available: **[Photograph]** <sup>\*1</sup>, **[Presentation]** <sup>\*2</sup> and **[Solid Color]** <sup>\*3</sup>.

 **Note**

- When selecting **[OHP Transparency]** as the paper type, the CRD automatically adjusts to a color profile specifically for OHP. Even though the color profile has been optimized for OHP, the adjustments are automatic and are not indicated on any of the dialog boxes. In this case, this setting is not enabled.

<sup>\*1</sup> Use this setting to enhance the reproduction of photos and graphics that include midtones.

<sup>\*2</sup> Use this setting to enhance the reproduction of documents that contain text and graphics. This CRD is best for printing colored charts, graphs, presentation materials and etc. If you use this CRD for printing photographs, color or gradations might not be reproduced well.

<sup>\*3</sup> Use this setting to print specific colors, logos and so on.

- **Black Text/Graphics**

Use this to select the black color mode to **[K]** or **[CMY+K]**.

 **Note**

- If **[K]** is selected, the black parts of text and graphics are printed with only black toner.

- **Toner Saving**

Use this to set Toner Saving to **[On]** or **[Off]**.

 **Note**

- Turning on toner saving can cause the output to become blurred and result in very thin lines not printing at all. In the case of color printing, toner saving can cause colors to be different from those expected. Because of this, use toner saving only for proofing and intermediate drafts, and turn it off for final prints when top quality is important.

- **Dithering**

Use this to select the image rendering mode. The following items are available: **[Auto]**, **[Photographic]** and **[Text]**.

- **Paper Type**

Use this to select the paper type as **[Plain Paper]**, **[OHP Transparency]**, **[Thick Paper]**, **[Plain (Duplex Backside)]** or **[Thick (Duplex Backside)]**.

 **Note**

- Selecting **[OHP Transparency]** as the paper type automatically adjusts internal settings to use a color profile specifically for OHP transparencies. Even though the color profile has been optimized for OHPs, the adjustments are automatic and are not indicated in any of the dialog boxes. In this case, the “Color Profile” setting on the **[Advanced]** tab is not enabled.

- **Statistics Code**

Use this to set **[On]** or **[Off]**.

If **[On]** is selected, User Code “99999999” and User ID “RPS2” will be fixed.

If **[Off]** is selected, User Code “Other” and User ID “?” will be fixed.

 **Reference**

For more information about User Code, see the “Printer Reference” included as a PDF file on the CD-ROM.

 **Note**

- [Paper Size]**, **[Paper Source]** and **[Copy Count]** settings are linked to the settings on the **[Page Setup]** tab.

# Windows Network Environment

1

PostScript data sent to the printer is processed by an interpreter. The interpreter translates programs written in the ASCII code line-by-line into a form that can be recognized by the printer.

When the printer is connected to the computer via a parallel cable, PostScript data is processed in units called “jobs”, and each job should have an EOF (End Of File = Ctrl+D) to indicate the end of the data to the printer. The printer continues to perform processing with the interpreter until receiving the EOF.

When the printer is connected to a network, because the network protocol controls the transferred data of jobs, the EOF is not required. Be sure to turn off the EOF.

## ❖ Windows 95/98

Open the **[PostScript]** tab of the Printer Properties. Click **[Advanced]**. Click to clear **[Send CTRL+D after job]** and **[Send CTRL+D before job]**.

## ❖ Windows 2000

Open the **[Device Settings]** tab of the Printer Properties. Select **[No]** for both **[Send CTRL+D after job]** and **[Send CTRL+D before job]**.

## ❖ Windows NT 4.0

Open the **[Advanced]** tab of the Default Document Properties. Under **[Post-Script Options]**, select **[No]** for both **[Send CTRL-D After Each Job]** and **[Send CTRL-D Before Each Job]**.



# Windows Headers

Headers are appended to the print data and contain RICOH-SCRIPT2 commands required for proper printing. The default setting appends the headers to the data automatically for each print job so you can print without worrying about the header data. You can configure how header data is sent to the printer with Windows 95/98.

## Important

- Changing header settings should be performed by system administrators who are familiar with the functions of PostScript.

---

## Sending Header Data

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There are two methods for sending header data.

### ❖ Send header data for each print job (default)

Use this setting when printing data to a file and when printing to a shared network printer. Select **[Download header with each print job]** on the **[PostScript]** tab to enable this method.

### ❖ Send header to printer only once

This setting causes the header data to be stored in the printer memory, so jobs sent after the header data has already been sent are printed more quickly. Select **[Assume header is downloaded and retained]** on the **[PostScript]** tab to enable this method. To use this setting, you should send the header data to the printer in advance, so click **[Send Header Now]**.

#### Note

- Header data in the printer memory is cleared whenever the printer power is turned off, the printer is reset, or you switch to another type of the printer language. Printing without header data results in an error, so be careful when sending header data individually.

#### Note

- When the header data is sent to the printer, a message to inform you that the header has been sent is printed.
- If you send a print job to the printer without the header, a message to inform you to send the header is printed. In this case, select **[Assume header is downloaded and retained]** or **[Send Header Now]** to send the header data to the printer. If the header has already been stored in the printer memory, a message is printed informing you that it has been stored.



# 2. Using RICOH-SCRIPT2 with a Macintosh

## Using RICOH-SCRIPT2 with a Macintosh

You can use the LaserWriter printer driver that comes with your Macintosh when printing from a Macintosh. However, if you use the LaserWriter driver alone, you lose some printer functions. The lost printer functions can be added by installing the PPD file.

This documentation describes the specific printer functions and menus that are added by installing the PPD file. For details about the functions and menus of the LaserWriter printer driver, see the printer driver's Help.

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### Option Setup Dialog

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#### Note

- Be sure to configure the options correctly. If not configured correctly, options will not be available even though they are physically installed to the printer.
- If you do not know the amount of memory you need to select here print a configuration page, which shows how much memory is currently installed to the printer. ⇒ P.31 "*Printer Memory and VM Area*"

#### ❖ Total Printer Memory

Use this to select the amount of memory actually installed in the printer. The following items are available: **[32 MB]** (only the simplex printer), **[64 MB]**, **[96 MB]**, **[128 MB]**, **[160 MB]**, **[192 MB]** and **[256 MB]**.

#### ❖ Option Tray

Use this to select if the optional tray is installed in the printer. The following items are available: **[None]**, **[Tray 2]** and **[Tray 3]**.

# Setting up for Printing

## Setting up Print Options

### LaserWriter 8.3x or earlier

With the LaserWriter 8.3x or earlier driver, clicking **[Options]** on the **[Printer]** dialog box displays the settings specific to its printer.

#### **Note**

- Selecting **[Printer's Default]** returns settings to their default values set from the printer operation panel.

#### **Reference**

For more information about the LaserWriter 8.3x or earlier, see the documentation that comes with your Macintosh.

#### ❖ **Clicking [Option] in the [Printer] dialog box shows the following items:**

- **Auto Tray Switching**  
Turning on this setting tells the printer to automatically switch to the other tray when it has the same size of paper as the current tray when paper runs out while printing.
- **Gradation**  
Use this to set the number of colors used per dot to **[Fast]** or **[Standard]**.
- **Color Mode**  
Use this to set the output color to **[Color]** or **[Black and White]**.
- **Color Setting**  
Use this to set the correction method used for the color conversion. The following items are available: **[Off]** <sup>\*1</sup>, **[Vivid]** <sup>\*2</sup>, **[Super Vivid]** <sup>\*3</sup>, **[Fine]** <sup>\*4</sup> and **[Super Fine]** <sup>\*5</sup>.

<sup>\*1</sup> No modification to the color setting.

<sup>\*2</sup> Select this setting to perform CMYK conversion with enhanced saturation and brightness to print vivid colors.

<sup>\*3</sup> Select this setting to perform CMYK conversion. The colors printed with this setting are more vivid than those printed with the **[Vivid]** setting. All of the colors in the image, especially the lighter ones, are emphasized.

<sup>\*4</sup> Select this setting to perform color matching based on the printer's built-in color rendering dictionaries, and perform CMYK conversion. It makes it possible to print colors that are close to the displayed colors on the computer screen.

The color rendering dictionaries refer to the contents selected by the "Color Profile" setting. This setting is useful when the application and printer driver do not support the color matching features.

<sup>\*5</sup> Like the **[Fine]** setting, the color rendering dictionary is used, however, output is more vivid. This setting is enabled to make light colors print more vividly

 **Note**

- The color rendering dictionary that is selected in the “Color Profile” setting is used.

- **Color Profile**

Use this to select a color rendering dictionary (CRD). The CRD is referred to for color matching, so you should select the appropriate CRD for the document you are printing. The CRD you select is also referred to when **[Fine]** or **[Super Fine]** is selected for “Color Setting”. The following items are available: **[Photograph]** <sup>\*1</sup>, **[Presentation]** <sup>\*2</sup> and **[Solid Color]** <sup>\*3</sup>.

 **Note**

- When selecting **[OHP Transparency]** as the paper type, the CRD automatically adjusts to a color profile specifically for OHP. Even though the color profile has been optimized for OHP, the adjustments are automatic and are not indicated on any of the dialog boxes. In this case, this setting is not enabled.

<sup>\*1</sup> Use this setting to enhance the reproduction of photos and graphics that include midtones.

<sup>\*2</sup> Use this setting to enhance the reproduction of documents that contain text and graphics. This CRD is best for printing colored charts, graphs, presentation materials and etc. If you use this CRD for printing photographs, color or gradations might not be reproduced well.

<sup>\*3</sup> Use this setting to print specific colors, logos and so on.

- **Black Text/Graphics**

Use this to select the black color mode to **[K]** or **[CMY+K]**.

 **Note**

- If **[K]** is selected, the black parts of text and graphics are printed with only black toner.

- **Toner Saving**

Use this to set Toner Saving **[On]** or **[Off]**.

 **Note**

- Turning on toner saving can cause the output to become blurred and result in very thin lines not printing at all. In the case of color printing, toner saving can cause colors to be different from those expected. Because of this, use toner saving only for proofing and intermediate drafts, and turn it off for final prints when top quality is important.

- **Dithering**

Use this to select the image rendering mode. The following items are available: **[Auto]**, **[Photographic]** and **[Text]**.

- **Paper Type**

Use this to select the paper type. The following items are available: **[Plain Paper]**, **[OHP Transparency]**, **[Thick Paper]**, **[Plain (Duplex Backside)]** and **[Thick (Duplex Backside)]**.

 **Note**

- Selecting **[OHP Transparency]** as the paper type automatically adjusts internal settings to use a color profile specifically for OHP transparencies. Even though the color profile has been optimized for OHPs, the adjustments are automatic and are not indicated in any of the dialog boxes. In this case, the “Color Profile” setting on **[Option]** is not enabled.

- **Print on Both Sides (Duplex Printing)**

Use this to set the duplex printing.

The following items are available: **[None]**, **[Short Edge]** and **[Long Edge]**.

 **Limitation**

- This setting is available for only the duplex printer.

 **Note**

- You can select long-edge feed or short-edge feed regardless of feed and print direction.

- **Statistics Code**

Use this to set **[On]** or **[Off]**.

If **[On]** is selected, User Code “99999999” and User ID “RPS2” will be fixed.

If **[Off]** is selected, User Code “Other” and User ID “?” will be fixed.

 **Reference**

For more information about User Code, see the “Printer Reference” included as a PDF file on the CD-ROM.

**LaserWriter 8.4x or later**

The following describes the settings specific to this printer using LaserWriter 8.4x or later.

 **Reference**

For more information about LaserWriter 8.4x or later, see the documentation that comes with your Macintosh.

- ❖ **Selecting **[Color Matching]** in the **[Printer]** dialog box shows the following items:**

- **Print Color**

You can specify the method and the color conversion settings for printing. The following items are available.

- **[Black and White]**

Select this for monochrome printing.

- **[Color/GrayScale]**

If you select this item, the color profile you select in “Color Profile” of **[Printer Specific Options]** becomes effective.

- **[ColorSync Color Matching]**

If you select **[ColorSync Color Matching]**, **[Printer Profile]** becomes active in the same dialog box. Select the ColorSync profile specific for the printer. Macintosh converts the print data from RGB to CMYK data, and sends it to the printer.

- **[PostScript Color Matching].**

If you select **[PostScript Color Matching]**, **[Printer Profile]** becomes active in the same dialog box. Select the ColorSync profile specific for your printer. Your Macintosh prepares the color rendering dictionary (CRD) based on the selected profile and attaches the CRD to the print data. The print data is sent to the printer with the CRD. The printer converts the print data from RGB to CMYK based on the attached the CRD.

 **Note**

- The CRD is referred to for color matching, so you should select the appropriate CRD for the document you are printing. The CRD you select is also referred to when **[Fine]** or **[Super Fine]** is selected for “Color Setting”.

❖ **Selecting [Error Handling] in the [Printer] dialog box shows the following item:**

- **If there is a PostScript error**

You can select **[No special report]**, **[Summarize on screen]** or **[Print detailed report]**.

- **If the cassette is out of paper**

You can use this setting to select auto tray switching, which tells the printer to automatically switch to the other tray if it has the same paper size as the current tray when paper runs out while printing.

❖ **Selecting [Printer Specific Option] in the [Printer] dialog box shows the following items:**

- **Gradation**

Use this to set the number of colors used per dot to **[Fast]** or **[Standard]**.

- **Color Mode**

Use this to set the output color to **[Color]** or **[Black and White]**.

- **Color Setting**

Use this to set the correction method used for the color conversion. The following items are available: **[Off]** <sup>\*1</sup>, **[Vivid]** <sup>\*2</sup>, **[Super Vivid]** <sup>\*3</sup>, **[Fine]** <sup>\*4</sup> and **[Super Fine]** <sup>\*5</sup>.

<sup>\*1</sup> No modification to the color setting.

<sup>\*2</sup> Select this setting to perform CMYK conversion with enhanced saturation and brightness to print vivid colors.

<sup>\*3</sup> Select this setting to perform CMYK conversion. The colors printed with this setting are more vivid than those printed with the **[Vivid]** setting. All of the colors in the image, especially the lighter ones, are emphasized.

<sup>\*4</sup> Select this setting to perform color matching based on the printer's built-in color rendering dictionaries, and perform CMYK conversion. It makes it possible to print colors that are close to the displayed colors on the computer screen. The color rendering dictionaries refer to the contents selected by the “Color Profile” setting. This setting is useful when the application and printer driver do not support the color matching features.

<sup>\*5</sup> Like the **[Fine]** setting, the color rendering dictionary is used, however, output is more vivid. This setting is enabled to make light colors print more vividly.

 **Note**

- The color rendering dictionary that is selected in the “Color Profile” setting is used.

- **Color Profile**

Use this to select a color rendering dictionary (CRD). The CRD is referred to for color matching, so you should select the appropriate CRD for the document you are printing. The CRD you select is also referred to when **[Fine]** or **[Super Fine]** is selected for “Color Setting”. The following items are available: **[Photograph]** <sup>\*1</sup>, **[Presentation]** <sup>\*2</sup> and **[Solid Color]** <sup>\*3</sup>.

 **Note**

When selecting **[OHP Transparency]** as the paper type, the CRD automatically adjusts to a color profile specifically for OHP. Even though the color profile has been optimized for OHP, the adjustments are automatic and are not indicated on any of the dialog boxes. In this case, this setting is not enabled.

<sup>\*1</sup> Use this setting to enhance the reproduction of photos and graphics that include midtones.

<sup>\*2</sup> Use this setting to enhance the reproduction of documents that contain text and graphics. This CRD is best for printing colored charts, graphs, presentation materials and so on. If you use this CRD for printing photographs, color or gradations might not be reproduced well.

<sup>\*3</sup> Use this setting to print specific colors, logos and so on.

- **Black Text/Graphics**

Use this to select the black color mode to **[K]** or **[CMY+K]**.

 **Note**

If **[K]** is selected, the black parts of text and graphics are printed with only black toner.

- **Toner Saving**

Use this to set Toner Saving to **[On]** or **[Off]**.

 **Note**

Turning on toner saving can cause the output to become blurred and result in very thin lines not printing at all. In the case of color printing, toner saving can cause colors to be different from those expected. Because of this, use toner saving only for proofing and intermediate drafts, and turn it off for final prints when top quality is important.

- **Dithering**

Use this to select the image rendering mode. The following items are available: **[Auto]**, **[Photographic]** and **[Text]**.

 **Note**

When you use the printer that does not support **[Auto]**, the default setting is **[Photographic]**.

- **Paper Type**

Use this to select the paper type. The following items are available: **[Plain Paper]**, **[OHP Transparency]**, **[Thick Paper]**, **[Plain (Duplex Backside)]** and **[Thick (Duplex Backside)]**.



 **Note**

- Selecting **[OHP Transparency]** as the paper type automatically adjusts internal settings to use a color profile specifically for OHP transparencies. Even though the color profile has been optimized for OHPs, the adjustments are automatic and are not indicated in any of the dialog boxes. In this case, the “Color Profile” setting on **[Printer Specific Option]** is not enabled.

- **Statistics Code**

Use this to set **[On]** or **[Off]**.

If **[On]** is selected, User Code “99999999” and User ID “RPS2” will be fixed.

If **[Off]** is selected, User Code “Other” and User ID “?” will be fixed.

 **Reference**

For more information about User Code, see the “Printer Reference” included as a PDF file on the CD-ROM.



# 3. Appendix

## Printer Memory and VM Area

The following table shows the relationship between the printer memory capacity and the VM (Virtual Memory) capacity.

Printer Memory	VM (Virtual Memory) Capacity	
	Simplex printer	Duplex printer
32 MB	Approximately 3.1 MB	—
64 MB	Approximately 8.1 MB	Approximately 6.9 MB
96 MB	Approximately 8.1 MB	Approximately 6.9 MB
128 MB	Approximately 8.1 MB	Approximately 6.9 MB
160 MB	Approximately 8.1 MB	Approximately 6.9 MB
192 MB	Approximately 8.1 MB	Approximately 6.9 MB
256 MB	Approximately 8.1 MB	Approximately 6.9 MB

### Note

- ❑ The “VM” of the PostScript printer is the memory area outside of the page memory and program area. If the data sent from the computer is very complex, printing may not be possible because of insufficient printer memory. This is called a “VM error”.
- ❑ In some cases, printing is impossible even though a VM error has not occurred.

# Specifications

## ❖ Supported paper sizes

Paper sizes	Printer driver settings
A3	A3
B4 JIS	B4 (JIS)
A4	A4
B5 JIS	B5 (JIS)
A5	A5
B6 JIS	B6 (JIS)
A6	A6
Double Letter (11" × 17")	11x17
Legal (8 <sup>1</sup> / <sub>2</sub> " × 14")	Legal
Letter (8 <sup>1</sup> / <sub>2</sub> " × 11")	Letter
Half Letter (5 <sup>1</sup> / <sub>2</sub> " × 8 <sup>1</sup> / <sub>2</sub> ")	HalfLetter
Executive (7 <sup>1</sup> / <sub>4</sub> " × 10 <sup>1</sup> / <sub>2</sub> ")	7.25x10.5
F (8" × 13")	8x13
Folio (8 <sup>1</sup> / <sub>4</sub> " × 13")	8.25x13
Foolscap (8 <sup>1</sup> / <sub>2</sub> " × 13")	8.5x13
12" × 18"	-12x18
Com10 Env	-Com10 Env
DL Env	-DL Env
A4 Small * <sup>1</sup>	A4 Small
Letter Small * <sup>1</sup>	Letter Small
Legal Small * <sup>1</sup>	Legal Small

\*<sup>1</sup> The printer supports printing on print area such as "A4 Small", "Letter Small" and "Legal Small" when printing from a Macintosh, only with specific versions of the driver.

Printing with the Laser Writer 8.4x (or later) driver supports printing on both standard and small print area.

However, with the Laser Writer 8.3x (or earlier), the small print area options are not displayed.

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# Precautions for RICOH-SCRIPT2

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## Differences between RICOH-SCRIPT2 and “PostScript Language Reference Manual, Second Edition”

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The differences between RICOH-SCRIPT2 and PostScript Level 2 as defined in the “PostScript Language Reference Manual, Second Edition” by Adobe Systems Incorporated are described below.

- RICOH-SCRIPT2 does not support the “user path cache” function, therefore the print processing speed may be reduced when this function is called by any PostScript program. This function originated in Display PostScript, and it is not used by most printer drivers.
- RICOH-SCRIPT2 does not support “automatic garbage collection”. Instead, a similar routine is implemented by the printer drivers with the “save/restore” operators. Not having this function does not create any problems.

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## Other Precautions

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- Because of the differences in image, graphics, and clipping rules, the printing results produced by any single draw operator might be out of place by one dot.
- The free memory space used for downloading fonts may not be sufficient. A VM error might occur when downloading fonts with insufficient VM memory. In this case, the print job may be canceled. However, this printer will restart RICOH-SCRIPT2 automatically.
- Lasertalk version 1.3 is not supported.
- Built-in font metric data may be different from the PostScript fonts.
- Type 1 fonts conform to the Adobe Type 1 font format (1.1) standard. However, some Type 1 fonts with outline transposition (self-interference) may not print correctly.
- When printing text without using “font hint data” downloaded from the application, enlarged or reduced fonts may print incorrectly.
- When using the PostScript printer driver with Windows applications, the printed result might not match the preview on the computer screen.

# INDEX

## A

---

About, 2  
Advanced, 9  
Advanced Options dialog box, 10  
Advanced PostScript Options, 6  
Advanced tab, 16  
Auto Tray Switch, 4, 10, 17  
Auto Tray Switching, 24  
Available PostScript Memory, 8, 13  
Available printer memory, 4

## B

---

Black Text/Graphics, 5, 11, 18, 25, 28

## C

---

Color, 9  
Color Appearance, 16  
Color control, 3  
Color Mode, 4, 10, 17, 24, 27  
Color Profile, 5, 11, 18, 25, 28  
Color Setting, 4, 10, 17, 24, 27  
Copies, 2  
Copy Count, 10, 15

## D

---

Device Options tab, 4  
Device Settings tab, 7, 13  
Dithering, 5, 12, 18, 25, 28  
Document Options, 10, 17

## E

---

EOF, 20

## F

---

Fonts tab, 3  
Font Substitution Table, 4, 7, 14  
Form to Tray Assignment, 7, 14

## G

---

Gradation, 4, 17, 24, 27  
Graphic, 10, 16  
Graphics tab, 3

## H

---

Halftone, 14  
Halftone Color Adjustment, 17  
Halftone Setup, 14  
Halftoning, 3  
header, 21

## I

---

Image Color Management, 10  
Installable Options, 8  
Installable options, 6

## J

---

Job Timeout, 8, 14

## L

---

LaserWriter, 24, 26  
LaserWriter 8.3x or earlier, 24  
LaserWriter 8.4x or later, 26  
Layout tab, 8

## M

---

Mirrored Output, 17  
More Options, 2  
More Paper Options dialog box, 2

## N

---

Negative Output, 17

## O

---

Option Setup Dialog, 23  
Option Tray, 14, 23  
Orientation, 15

## P

---

Page Setup tab, 15  
Page Size, 15  
Paper/Output, 10, 16  
Paper/Quality tab, 9  
Paper Size, 10  
Paper size, 1  
Paper Source, 15  
Paper source, 1  
Paper tab, 1

Paper Type, 12, 18, 25, 28  
Paper type, 2  
PostScript tab, 6  
Print as a mirror image, 3  
Print as a negative image, 3  
Print Color, 26  
Printer Features, 17  
Printer features, 4  
Printing on both sides (duplex printing), 2  
Print on Both Side(Duplex), 8  
Print on Both Sides (Duplex Printing), 15, 26

## R

---

Resolution, 3, 16

## S

---

Scaling, 3, 10, 16  
Send CTRL-D After Each Job, 8, 17  
Send CTRL-D Before Each Job, 8, 17  
Special, 3  
Statistics Code  
*User Code, User ID, 5, 12, 19, 26, 29*

## T

---

Toner Saving, 5, 11, 18, 25, 28  
Total Printer Memory, 14, 23  
Tray Selection, 9  
TrueType Font, 10, 16

## V

---

VM area, 31

## W

---

Wait Timeout, 8, 14  
Windows 2000  
*Advanced Options dialog box, 10*  
*Layout tab, 8*  
*Paper/Quality tab, 9*  
Windows 95/98  
*Device Options tab, 4*  
*Fonts tab, 3*  
*Graphics tab, 3*  
*Paper tab, 1*  
*PostScript tab, 6*  
Windows 2000  
*Device Settings tab, 7*  
Windows NT 4.0  
*Advanced tab, 16*  
*Device Settings tab, 13*  
*Page Setup tab, 15*









**RICOH-SCRIPT2 Operating Instructions**

