

# Color Controller RC-200

**OPERATING INSTRUCTIONS  
PRINTER REFERENCE**



Read this manual carefully before you use this product  
and keep it handy for future reference.  
For safety, please follow the instructions in this manual.

## **Introduction**

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

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

## **Important**

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

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## **Warning:**

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

## **Notes:**

Some illustrations might be slightly different from your machine.

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

## **Note**

The proper names of Windows operating system are as follows:

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

# Manuals for this Machine

There are five manuals that describe the operational procedures separately for the operation and maintenance of the machine.

This manual, the Printer Reference, contains detailed instructions for using this machine as a printer.

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

- ❖ **Operating Instructions that Describes the Copy Functions**

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

- ❖ **Printer Reference Provided as a Paper Manual**

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

- ❖ **Printer Reference Provided as a PDF File**

Describes the procedures and provides necessary information on using this machine as a printer. The manual is included as a PDF file in the CD-ROM. (This Manual)

- ❖ **RICOH-SCRIPT2 Operating Instructions**

Describes the menus and features you can set using the RICOH-SCRIPT2 printer driver. The manual is included as a PDF file in the CD-ROM.

- ❖ **Network Interface Board Operating Instructions**

Describes the procedures and provides necessary information on setting up and using the printer under the network environment. The manual is included as a PDF file in the CD-ROM.

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# 1. Uninstalling the Printer Driver and Software

## Uninstalling the IPDL-C Printer Driver

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

Follow the procedure below.

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### Windows 95/98 - Uninstalling the IPDL-C Printer Driver

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

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### Windows NT 4.0 - Uninstalling the IPDL-C Printer Driver

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#### 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], point to [Settings] and click [Printers].  
The [Printers] window appears.
- 3** Select the icon of the printer you want to remove by clicking it.
- 4** On the [File] menu, click [Delete].  
A confirmation dialog box appears.
- 5** Click [Yes] to delete the printer driver.

# Uninstalling the RICOH-SCRIPT2 Printer Driver

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This section provides basic procedures for uninstalling the RICOH-SCRIPT2 printer driver. The actual procedure may differ depending on your operating system.

Follow the procedure below.

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## Windows 95/98 - Uninstalling the RICOH-SCRIPT2 Printer Driver

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

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## Windows NT 4.0 - Uninstalling the RICOH-SCRIPT2 Printer Driver

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### 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 then click **[Printers]**.  
The **[Printers]** window appears.
- 3** Select the icon of the printer you want to remove by clicking it.
- 4** On the **[File]** menu, click **[Delete]**.
- 5** Click **[Yes]** to delete the printer driver.



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## Macintosh - Uninstalling the RICOH-SCRIPT2 Printer Driver

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

Follow the procedure below.

- 1** Drag the “Color Controller RC-200” or “Color Controller RC-200(D)” file inside [Printer Descriptions] in the [Extensions] folder in [System folder] to [Trash].

1

# 2. Setting up the Printer Driver and Canceling a Print Job

## IPDL-C Accessing the Printer Properties

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### Windows 95/98 - Accessing the Printer Properties

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

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#### Making default printer settings

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

 **Note**

- With some applications, the printer driver's settings are not used, and the application's own initial default settings are applied.
- The following tabs are standard Windows tabs. For more information on these tabs, see the documentation that comes with the Windows operating system.
  - Windows 95:  
**[General]**, **[Details]** and **[Sharing]**
  - Windows 98:  
**[General]**, **[Details]**, **[Color Management]** and **[Sharing]**

 **Note**

- Profiles set in the **[Color Management]** tab are not supported.

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

The **[Printers]** window appears.

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

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

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

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#### Making printer settings from an application

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

 **Note**

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

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

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

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

The Printer Properties dialog box appears.

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

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

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## Windows NT 4.0 - Accessing the Printer Properties

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### Making default printer settings - Printer Properties

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 **Limitation**

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

 **Note**

- With some applications, the printer driver's settings are not used, and the application's own initial default settings are applied.
- The following tabs are standard Windows tabs. For more information on these tabs, see the documentation that comes with the Windows operating system.
  - **[General]**, **[Ports]**, **[Scheduling]**, **[Sharing]** and **[Security]**

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

The **[Printers]** window appears.

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

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

The Printer Properties dialogue box appears.

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

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

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**Making default printer settings – Default Document Properties**

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 **Limitation**

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

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

The **[Printers]** window appears.

**2** Select the icon of the printer you want to use by clicking it.**3** On the **[File]** menu, click **[Document Defaults]**.

The Default Document Properties dialogue box appears.

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

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

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**Making printer settings from an application**

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

 **Note**

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

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

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

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

The Document Properties dialog box appears.

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

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

# RICOH-SCRIPT2 - Setting up for Printing

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## Windows 95/98 - Accessing the Printer Properties

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

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### Making default printer settings

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

#### Note

- The following tabs are standard Windows tabs. For more information on these tabs, see the documentation that comes with the Windows operating system.
- **Windows 95:**  
**[General]**, **[Details]** and **[Sharing]**
- **Windows 98:**  
**[General]**, **[Details]**, **[Color Management]** and **[Sharing]**

#### Note

- Profiles set in the **[Color Management]** tab are not supported.

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

The **[Printers]** window appears.

- 2** Select the icon of the printer you want to use by clicking it. On the **[File]** menu, click **[Properties]**.

The Printer Properties dialog box appears.

#### Reference

For more information on making default printer settings, see the "Operating Instructions" of RICOH-SCRIPT2 (RPS2) that is included in this CD-ROM.

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### Making printer settings from an application

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The contents of the tabs are the default settings made in the Printer Properties dialog box opened from the **[Printers]** window. You can make any changes you want for printing from the application you are currently running. Any settings you make in these tabs are valid for the current application only.

- 1** Open the application's print menu.

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

 **Note**

- You can use this dialog box to make basic settings, such as the number of copies and the print range.

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

The Printer Properties dialog box for the printer you selected appears.

 **Reference**

For more information on each tab, see the “Operating Instruction” of RICOH-SCRIPT2 that is included in this CD-ROM.

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## Windows NT 4.0 - Accessing the Printer Properties

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### Making default printer settings - Printer Properties

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 **Limitation**

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

 **Note**

- With some applications, the printer driver's settings are not used, and the application's own initial default settings are applied.
- The following tabs are standard Windows tabs. For more information on these tabs, see the documentation that comes with the Windows operating system.
  - [General], [Ports], [Scheduling], [Sharing] and [Security]

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

The [Printers] window appears.

**2** Select the icon of the printer you want to use by clicking it. On the [File] menu, click [Properties].

The Printer Properties dialog box appears.

 **Reference**

For more information on making default printer settings, see the “Operating Instructions” of RICOH-SCRIPT2 (RPS2) that is included in this CD-ROM.

 **Note**

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



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## Making printer default settings - Default Document Properties

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

The **[Printers]** window appears.

- 2 Select the icon of the printer you want to use by clicking it. On the **[File]** menu, click **[Document Defaults]**.

The Default Document Properties dialog box appears.

### Reference

For more information on making printer default settings, see the "Operating Instructions" of RICOH-SCRIPT2 (RPS2) that is included in this CD-ROM.

### Note

- Settings you make here are used as the default settings when printing from applications.

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## Making printer settings from an application

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### Note

- General users can change the settings in an application's **[Print]** dialog box.

- 1 Select the application's **[Print]** command on the **[File]** menu.

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

- 2 Confirm that the displayed printer name is the printer you want to use, and then click **[Properties]**.

The Document Properties dialog box appears.

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

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

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## Macintosh - Setting up for Printing

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### Making paper settings from an application

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- 1 Open the file you want to print.

- 2 On the **[File]** menu, click **[Page Setup]**.

The **[LaserWriter 8 Page Setup]** dialog box appears.

**3** Confirm that the printer you want to use is shown in **[Format for:]**. Then, use **[Paper]** to select the paper size you want to use.

 **Note**

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

 **Reference**

The actual appearance of the **[Page Setup]** dialog box depends on the application you are using. See the documentation that comes with the Macintosh for details.

**4** After configuring the settings, click **[OK]**.

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 **Small Size Print Area**

This printer supports printing on print areas such as “A4 Small” and “Letter Small” when printing from a Macintosh, only with specific versions of the driver. Printing with the LaserWriter 8.4x (or later) driver supports printing on both standard and small print areas. However, with the LaserWriter 8.3x (or earlier), the small print area options are not displayed.

With LaserWriter 8.3x (or earlier), select A4, for example, and click **[Options]** in the **[Page Setup]** dialog box, then use the **[Larger Print Area]** option. Checking **[Larger Print Area]** produces the same printing result as the LaserWriter 8.4x (or later) standard A4 print area. Unchecking the **[Larger Print Area]** produces the same result as the LaserWriter 8.4x (or later) “A4 Small” print area.

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**Setting up for printing from an application**

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**1** Open the file you want to print.

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

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

**3** Confirm that the printer is selected in the **[Printer]** box, and then make the printer settings you want.

 **Reference**

For more information on setting up for printing from an application, see the “Operating Instructions” of RICOH-SCRIPT2 (RPS2) that is included in this CD-ROM.

**4** After configuring the settings, click **[Print]**.

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# Canceling a Print Job

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## Windows 95/98 - Canceling a Print Job

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

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

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

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

 **Note**

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

- 4** Confirm that the printer's on line indicator is lit, and press [Reset] on the machine's operation panel.

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

 **Important**

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

 **Note**

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

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## Windows NT 4.0 - Canceling a Print Job

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

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

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

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

 **Note**

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

**4** Confirm that the printer's **On Line** indicator is lit, and press **[Reset]** on the machine's operation panel.

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

 **Important**

- The preceding procedure cancels the print job that is being processed by the printer. In some cases, the printer may already be processing data for the next print job following the one currently being output. In such a case, the next print job is also canceled when you press **[Reset]**.
- When the printer is being shared by multiple computers, confirm that you do not accidentally cancel someone else's print job.

 **Note**

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

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## Macintosh - Canceling a Print Job

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**1** Double-click the printer's icon on the desk top.

A window appears, showing all the print jobs that are currently queuing to be printed.

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

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

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

**5** Press **[Reset]** on the machine's operation panel.

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

 **Important**

- The preceding procedure cancels the print job that is being processed by the printer. In some cases, the printer may already be processing data for the next print job following the one currently being output. In such a case, the next print job is also canceled when you press **[Reset]**.

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

 **Note**





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








# 3. Troubleshooting





## Error & Status Messages on the Operation Panel

### Error & Status Messages on the Operation Panel

Message	Description	Comments
Add Fuser Oil	The fuser oil is empty.	Replace the fuser oil. Contact your sales or service representative.  <b>Reference</b> See the operating instructions that describes copy functions.
Add Staples	Stapler is almost empty.	Add staples.  <b>Reference</b> See the operating instructions that describes copy functions.
Add Toner xxx	The indicated toner is empty.	Replace the indicated toner cartridge.  <b>Reference</b> See the operating instructions that describes copy functions.
Call Service	There is a malfunction in the printer.	Turn the power off and on. If this does not clear the problem, contact your sales or service representative.
Close Door(s)/ Cover(s)	Doors or covers are open.	Close doors or covers. The operation panel of the copier displays which doors or covers are open.  <b>Reference</b> See the operating instructions that describes copy functions.

Message	Description	Comments
Initializing	RICOH-SCRIPT2 is initializing.	It is not an error message. Process of initializing starts up in the RICOH-SCRIPT2 mode.
Low on: xxx	Toner is almost empty.	<p>Replace the indicated toner cartridge.</p> <p> <b>Note</b></p> <p><input type="checkbox"/> xxx is the color of the toner, and CMYK is the combination.</p> <p> <b>Reference</b></p> <p>See the operating instructions that describes copy functions.</p>
Load Paper	There is no paper in the Bypass Tray.	Load paper in the Bypass Tray.
Load YYY	There is no indicated paper size in the tray.	<p>Load the indicated paper size in the tray.</p> <p> <b>Note</b></p> <p><input type="checkbox"/> YYY is the paper size.</p> <p> <b>Reference</b></p> <p>See the operating instructions that describes copy functions.</p>
Offline	Printer status is offline. The printer cannot accept or print data.	To put the printer online, press <b>[Online]</b>
Clear Misfeed(s)	Paper jam has occurred in the printer.	<p>Remove the jammed paper. The operation panel of the copier displays where the paper jam has occurred.</p> <p> <b>Reference</b></p> <p>See the operating instructions that describes copy functions.</p>
Please wait	The printer is preparing for printing.	Wait until the printer is warmed up.
	The printer adjusts itself regularly to maintain print quality. (This message might appear while printing.)	It is not an error message. The printer is working properly. Just wait a while.



Message	Description	Comments
Power Off / On No : XXX-YYYYYYYY	There is communication error between the engine and the controller.	Turn the power off and on. If this does not clear the problem, contact your sales or service representative.
Printing ...	Doing print job.	Wait for a while.   <b>Note</b> <input type="checkbox"/> This message appears only in the RICOH-SCRIPT2 mode.
Processing	Print data is being processed.	Wait for a while.
Ready	The printer is ready for printing.	It is not an error message. The printer is working properly.
Remove Paper From Duplex Tray	Paper is left in the Duplex tray.	Remove the paper from the Duplex tray.   <b>Reference</b> See the operating instructions that describes copy functions.
Remove Paper From Sorter	Paper is left in the sorter bin.	Remove the paper from the sorter bin.   <b>Reference</b> See the operating instructions that describes copy functions.
Reset Paper Tray Correctly	The paper tray is not installed correctly.	Install the paper tray correctly.   <b>Reference</b> See the operating instructions that describes copy functions.
Resetting ...	A print job was interrupted by pressing <b>[Reset]</b> .	Wait for a while.
Waiting	Printer is waiting for the next data to print. The menu is about to be set on the printer's operation panel.	Wait for a while.

Message	Description	Comments
Warming Up	The printer is preparing for printing.	Wait until the printer is warmed up.
Waste Toner is Full	The waste toner bottle is full.	Replace the waste toner bottle. Contact your sales or service representative.
A3:Error	There is too much data for the I/O buffer to handle.	Check if the interface cable is inserted into the printer and your computer securely.
		Check if the interface cable is not damaged or broken.
		Increase the size of I/O buffer.
A6:Error	There is not enough printer memory to print one or more of the pages in the print job.	Change the Color Level using the printer driver to set the image resolution to <b>[Fast]</b> , or change the Color Level to <b>[1 bit]</b> . Turn on "Image Memory" using the printer's "System Menu" to turn on "Image Memory".
AB:Error	The printer is unable to process the data you are trying to print.	Reduce the amount of data being sent to the printer.
B1:Error	An error has occurred in the standard parallel interface.	Contact your sales or service representative.
B3:Error	The printer setting is wrong.	Reset the printer using "Menu Reset" of the "Maintenance" menu. ⇒ P.63 "Resetting Menus"
B4:Error	An error has occurred in the IC card slot.	Contact your sales or service representative.
B5:Error	An error has occurred in the RICOH-SCRIPT2 module.	Contact your sales or service representative.
B7:Error	An error has occurred in the network interface board.	Turn the printer's power switch off and on. Contact your sales or service representative.
85:Error	An error has occurred in the printer's standard memory.	Turn off and on the printer's power switch. Contact your sales or service representative.

Message	Description	Comments
86:Error	You may be trying to print with the wrong printer driver.	Confirm that you are using the correct printer driver.
	You might not be using the correct interface cable.	Confirm that you are using the correct interface cable.
91:Error	An error has occurred in the printer's standard memory.	Turn off and on the power switch.
94:Error	An error has occurred in the printer's standard memory.	Turn off and on the power switch. Contact your sales or service representative.

### Note

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

## Getting Printer Information over the Network



### Printer current status

You can check the printer's status using the telnet command.

#### ❖ telnet

Use status command. For more information, see "Remote Maintenance by telnet (mshell)" in the "Operating Instructions" of Network Interface Board included in the CD-ROM.

Message	Description	Comments
Call Service	There is malfunction in the printer.	Turn the printer off and then on. If this does not clear the problem, contact your sales or service representative.
Close Front Cover	The front cover is open.	Close the front cover.
Close Bank Cover	The bank cover is open.	Close the bank cover.
Close Sorter Cover	The sorter cover is open.	Close the sorter cover.
Close Right Cover	The right cover is open.	Close the right cover.
Close Left Cover	The left cover is open.	Close the left cover.
Duplex Tray: Not Set Correctly	The duplex tray is not installed correctly.	Install the duplex tray correctly.

Message	Description	Comments
Energy Save Mode	The printer is in Energy Save mode.	Wait for a while.
Fuser Oil is Empty	Fuser oil is empty.	Replace the fuser oil . Contact your sales or service representative.
No Paper	There is no paper of the indicated paper size in the paper tray being used.	Load paper of the indicated paper size into the paper tray being used.   <b>Reference</b> See the operating instructions that describes copy functions.
No Staple	There is no staple.	Replace staples.   <b>Reference</b> See the operating instructions that describes copy functions.
Paper in Duplex Tray	There is paper left in the duplex tray.	Remove the paper from the duplex tray.
Paper on Sorter Bin	There is paper left in the sorter bin.	Remove the paper from the sorter bin.
Paper Tray: Not Set Correctly	The paper tray is not installed correctly.	Install the paper tray correctly.
Low on XXX Toner	The indicated toner is low or has run out.	Replace the toner cartridge.
XXX Toner is Empty	The indicated toner is empty.	Replace the toner cartridge.
WarmUp	The printer is preparing for printing.	Wait until the printer is warmed up.
Waste Toner is Full	The waste toner bottle is full.	Replace the waste toner bottle. Contact your sales or service representative.

## Printer configuration

You can check the printer configuration using telnet.

### ❖ telnet

Use info command. For more information, see “Remote Maintenance by Telnet (mshell)” in the “Operating Instructions” of Network Interface Board included as a PDF file in the CD-ROM.

### Note

- "\*" (asterisk) is displayed with the current setting.
- Regarding \*1-~\*6, see the attached table.





















Item	Description
Printer System	Version of the printer
Network Board	Version of the network board
Input Tray	
No.	ID number of the paper tray
Name	Name of the paper tray* <sup>1</sup>
PageSize	Paper size loaded in the paper tray* <sup>2</sup>
Status	Current status of the paper tray* <sup>3</sup>
Output Tray	
No.	ID number of the output tray
Name	Name of the output tray* <sup>4</sup>
Status	Current status of the output tray* <sup>5</sup>
Emulation	
No.	ID number of the emulation used by the printer
Name	Name of the emulation used in the printer* <sup>6</sup>
Version	Version of the emulation
Program	
No.	ID number of the program
Name	Name of the program (The fixed name is blank.)

❖ \*1 Input Tray: Name

Name	Description
Tray1	Name of installed paper tray
Tray2	
Tray3	
Tray4	
Manual Tray	Bypass Tray

3

❖ \*2 Input Tray: Paper Size

Paper Size	Description
A3R	A3 
B4R	B4 
A4R	A4 
A4	A4 
B5R	B5 JIS 
B5	B5 JIS 
A5R	A5 
A5	A5 
B6R	B6 JIS 
A6R	A6 
DL+	12"×18" 
DLR	11"×17" 
LGR	8 <sup>1</sup> / <sub>2</sub> "×14" 
F4R	8 <sup>1</sup> / <sub>2</sub> "×13" 
LTR	8 <sup>1</sup> / <sub>2</sub> "×11" 
LT	11"×8 <sup>1</sup> / <sub>2</sub> " 
FLR	8 <sup>1</sup> / <sub>4</sub> "×13" 
FR	8"×13" 
HLR	5 <sup>1</sup> / <sub>2</sub> "×8 <sup>1</sup> / <sub>2</sub> " 
HLT	8 <sup>1</sup> / <sub>2</sub> "×5 <sup>1</sup> / <sub>2</sub> " 

❖ **\*3 Input Tray: Status**

Status	Description
Normal	—
NoTray	There is no paper tray
PaperEnd	There is no paper in the paper tray

❖ **\*4 Output Tray: Name**

Name	Description
Standard	Standard Tray Proof Tray; if the sorter is installed
Bin 1 ~ Bin 20	Sorter

❖ **\*5 Output Tray: Status**

Status	Description
Normal	Normal
PaperExist	There is paper in the output tray
OverFlow	Output tray is full of paper

❖ **\*6 Emulation: Name**


Emulation Name	Description
RWC (IPDL-C)	IPDL-C
RPS (RicohScript2)	RICOH-SCRIPT2

## Machine Does not Print

3

Possible Cause	Solutions
Is the power on?	Confirm that the power cord is securely plugged into the wall socket. Turn on the power switch.
Is the interface cable properly connecting the printer to your computer connected securely?	Connect the interface cable properly. If there are any connectors or screws, confirm that they are fastened securely.
Are you using a correct interface cable?	The type of interface cable you should use depends on your computer. Be sure to use the correct one. If the cable is damaged or worn, replace it with a new one.
Does the <b>On Line</b> indicator stay on?	Press <b>[On Line]</b> to light it up.
Is the paper set?	Load paper into the paper tray or on the bypass tray.
Is paper left in the sorter bin?	Remove paper from the sorter bin.
Is the machine working as a copier?	It may not be able to use the machine as a printer when the machine is working as a copier.
Does the <b>Error</b> indicator stay red?	Check the error message on the panel display and take the required action.



Possible Cause	Solutions
Is the <b>Data In</b> indicator blinking or lit after starting the print job?	<p>If not, the data is not being sent to the printer, or the printer may be resetting the print job because there was a long delay in receiving the data from the computer.</p> <ul style="list-style-type: none"> <li>❖ <b>If the printer is using "I/O Timeout"</b>            Increase the value of the "I/O Timeout" setting of the "IP-DL-C Menu" or "RPS2 Menu". Or set the "I/O Timeout" value to "0" (this is the off setting).            Set a longer <b>[Wait timeout]</b> period accessing the printer properties when the RICOH-SCRIPT2 printer driver is selected.</li> <li>❖ <b>If the printer is connected to the computer using the interface cable</b>            Confirm that the printer port settings are correct. For a parallel port connection, port LPT1 or LPT2 should be set.</li> </ul> <p> <b>Reference</b>            For more information on the printer port settings, see the notes after this table.</p> <ul style="list-style-type: none"> <li>❖ <b>Network Connection</b>            Contact your network administrator.</li> </ul> <p>If the <b>Data In</b> indicator is blinking or lit.            The printer may be resetting the print job. Take the following steps to correct the situation.</p> <ul style="list-style-type: none"> <li>• Increase the "Job Timeout" setting of the "IPDL-C Menu" or "RPS2 Menu".</li> <li>• Confirm that the printer driver settings are correct.</li> <li>• Change the "Transfer" setting of the "System Menu".</li> <li>• Confirm that the "Parallel" of the "System Menu" is correct.</li> </ul>

Possible Cause	Solutions
Is the <b>Data in</b> indicator off after blinking or lit for a while?	<p>It might occur when the printer does not have enough memory to print a page.</p> <p>The following are the actions you should take when you encounter memory shortage problems. If these actions do not solve the problem individually, try them in combination with each other.</p> <ol style="list-style-type: none"> <li>① Change the Color Level to <b>[1 bit]</b>. Use the printer property to change the Color Level to <b>[1 bit]</b>.</li> <li>② Turn on "Image Memory". Use the printer's "System Menu" to turn on "Image Memory".</li> </ol>
Can you print a test page (configuration page)?	<p>If you cannot print a test page, it probably indicates a printer malfunction. You should contact your sales or service representative.</p> <p>If you can print a test page but cannot get the printer to print when you issue a print command from your computer, it probably means there is a problem with your computer.</p> <p>Also keep in mind that large, complex data might take a long time for the printer process.</p>

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

 **Note**



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

# Other Printing Problems


## Note

- For more information on IPDL-C, see the printer driver's Help.
- For more information on RICOH-SCRIPT2, see the "Operating Instructions" included as a PDF file in the CD-ROM.

Status	Possible Causes, Descriptions, and Solutions
The <b>Data in</b> indicator will be off after blinking or lit for a while.	<p>It might occur when the printer does not have enough memory to print a page.</p> <p>The following are the actions you should take when you encounter memory shortage problems. If these actions do not solve the problem individually, try them in combination with each other.</p> <ol style="list-style-type: none"> <li>① Change the Color level to <b>[1 bit]</b>. Use the printer property to change the Color Level to <b>[1 bit]</b>.</li> <li>② Turn on "Image Memory". Use the printer's "System Menu" to turn on "Image Memory".</li> </ol>
Image is printed on the reverse side of the paper.	<p>The paper in the paper tray is upside down.</p> <ul style="list-style-type: none"> <li>• Standard Tray (Tray 1~ 4) Load paper with the print side down.</li> <li>• Bypass Tray Load paper with the print side up.</li> </ul>
Paper misfeeds occur frequently.	Check if the paper tray is set correctly. If not, set it correctly.
	Paper is not loaded correctly in the paper tray. Remove the paper from the tray and reload it correctly.
	Check the paper type settings. The type of paper set with the printer driver might be different from the actual paper or media type. Make the correct paper or media type setting.
	You might use paper not supported by this machine. Use the appropriate type of paper. For more information on supported paper by this machine, see the operating instructions that describes the copy functions.

Status	Possible Causes, Descriptions, and Solutions
It takes too much time to print the first page.	The data is so large or complex that it takes time to process it. If the <b>Data In</b> indicator is blinking, the data processing is being done. Just wait until it resumes.
	The Energy Saver mode might be enabled. In the Energy Saver mode, it takes time for the machine to warm up.
It takes too much time to print.	Photographs and other data intensive pages take a long time for the printer to process, so simply wait when printing such data.  You can also speed up printing by using the printer driver to select <b>[1 bit]</b> as the print mode.
	The printer takes more time to print documents that contain a large volume of data. A blinking or lit <b>Data In</b> indicator means that data is reaching the printer, so just wait for the data to be processed and printed.
	If "Please Wait" appears on the panel display, the printer is now warming up or busy. Wait for a while.
	The printer takes more time to print if the "Interleave Print" is set to on in the copy function. For more information, see the operating instructions that describes copy functions.
It takes too much time to perform black and white printing.	<p><b>[Color]</b> is selected on the printer driver. Change this setting to <b>[Black and White]</b> in the <b>[Color Mode]</b>.</p> <p> <b>Note</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Some applications ignore the color mode setting made with the printer driver.</li> </ul>
Paper is not fed from the desired paper tray.	The printer driver setting is not correct. Change the setting. See the printer driver's Help for further details.
Desired paper size is not used for the output.	The printer driver setting is not correct. Change the setting. See the printer driver's Help for further details.
	<p>Specified paper is not loaded correctly in the paper tray. Remove the paper from the tray and reload the specified paper correctly.</p> <p> <b>Note</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> If you select Bypass Tray to print with IPDL-C, you must set the paper size both on the printer driver and on the operation panel.</li> <li><input type="checkbox"/> If you select Bypass Tray to print with RPS2, you can set the paper size on the operation panel.</li> </ul>

Status	Possible Causes, Descriptions, and Solutions
The area on the page that should be white or free of toner is a hazy gray.	Check the image density setting.
	Adjust the Color Calibration.
Image density is too light.	Turning on <b>[Toner Saving]</b> can cause the output to be blurred and result in very thin lines not printing at all. With color printing, toner saving can cause abnormal coloring. Try printing again after turning <b>[Toner Saving]</b> off. See the printer driver's online help for details about changing the settings on this tab.
	If the message "Add Toner XXX" is on the panel display, replace the toner cartridge for the indicated color. For more information on replacing the toner cartridge, see the operating instructions that describes copy functions.
	You might be using paper not supported by this printer. Use the appropriate type of paper. For more information of supported paper, see the operating instructions that informs the copy functions.
Toner is not fused well when printing on thick paper or OHP transparencies.	The printer is not in the "Thick Paper" or "OHP Transparency" mode. Select <b>[Thick Paper]</b> , <b>[OHP Transparency]</b> (IPDL-C) or <b>[OHP]</b> (RPS2) in the <b>[Paper Type]</b> box of the printer driver.
The color of the printout is different from the color on the computer's display.	The toner based color system used by the printer is different from the light based color system of the computer screen. ⇒ P.73 "Color Guide"
	Turning on the <b>[Toner Saving]</b> can cause color irregularities.
	Check the settings of the printer driver's <b>[Color Setting]</b> tab and restore the default settings.
	Adjusting the color calibration.⇒ P.33 "Adjusting the Color Calibration of the Printer"

Status	Possible Causes, Descriptions, and Solutions
<p>The printout is different from the image on the computer screen.</p>	<p>Certain applications or image creation methods produce images that cannot be printed exactly as they appear on the computer screen.</p> <p>With IPDL-C, checking the <b>[Print as bitmap]</b> item of the printer driver's <b>[Setup]</b> tab causes the print data to be converted to image data before it is sent to the printer, which produces a printout that is closest to what appears on your computer screen.</p> <p> <b>Note</b></p> <p><input type="checkbox"/> The setting also causes large-volume print jobs which take longer to print because of the required conversion process.</p>
<p>Changing the color settings with the printer driver causes a drastic change in printout color.</p>	<p>With IPDL-C, do not make radical changes in the settings of the <b>[Color Setting]</b> tab.</p> <p>Also note that the sample shown by the printer driver is intended to show what processes are being applied, not exactly what your printout will look like.</p>
<p>Photograph printing looks rough.</p>	<p>With IPDL-C, select <b>[Fine]</b> on the <b>[Print Quality]</b> tab.</p> <p>Printing from some applications results in a loss of resolution.</p>
<p>Color documents are printed in black and white.</p>	<p>The printer driver is not set up for color printing. Select <b>[Color]</b> in the <b>[Color Mode]</b> on the printer driver.</p> <p>Some applications normally print color text as black and white.</p>
<p>Fine dot pattern does not print.</p>	<p>With IPDL-C, select <b>[Photographic]</b> in the <b>[Dithering]</b> list box.</p>
<p>Solid area, line or text are shiny or glossy, when created as a mixture of cyan, magenta, yellow.</p>	<p>With IPDL-C, select <b>[K]</b> on the printer driver's <b>[Graphic Mode]</b>. See the printer driver's online help for details about changing the settings on this tab.</p>
<p>Black gradation is not natural.</p>	<p>With IPDL-C, select <b>[CMY + K]</b> on the printer driver's <b>[Graphic Mode]</b>.</p>
<p>When printing on OHP transparencies, a sheet of paper is not placed between printed OHP transparencies.</p>	<p>The size and direction of the paper loaded in the paper tray are different from those of the OHP transparency. Load the same size and direction paper as the OHP transparency into the paper tray.</p> <p>The "OHP Slip" setting is set to "Off". Change the setting with operation panel.</p>

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

# 4. Adjusting the Color Calibration of the Printer

To maintain a constant print quality, color calibration is important for color printers. Color output may change after many prints, after a new toner cartridge is installed or with changes in temperature and atmospheric conditions.

This section provides instructions on printer color calibration.

## Important

- In order to do a full color calibration, you have to do the “Auto Color Calibration” in the copy mode at first, then in the printer mode.
- Color calibration should be done separately to match the printer driver's settings. You can select among 3 Color Levels <sup>\*1</sup> from the printer properties.

<sup>\*1</sup> 1 bit, 2 bit, 4 bit (High Quality)

## Note

- The adjustment of the color calibration affects the output of all of the users who use the same printer.
- Use the same type of paper for each print of the test pattern. An inaccurate adjustment can occur if the scanned paper type is different from the output paper type.

## Operation on the Copy Function Mode

### Preparation

The operation panel of the copy machine must be used to follow the procedure.

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

**2** Press **[Auto Color Calibration]** and select **[Printer Mode]**.

#### Note

If the machine is a **simplex** machine with the hard key type, select **[Copy features]**, select **[Image Adjustment]** and select **[Auto Color Cal.]**.

**3** Press **[Start]**.









#### Note

If the machine is a **simplex** machine with the hard key type, press **[OK]**.

**4** Press **[Print Start]** to print the test pattern.

#### Note

If the machine is a **simplex** machine with the hard key type, press **[Print]**.

The test pattern is printed on A4 , 11"×8<sup>1</sup>/<sub>2</sub>" . If A4 , 11"×8<sup>1</sup>/<sub>2</sub>"  is not available, the test pattern is printed on either B4 , 8<sup>1</sup>/<sub>2</sub>"×14"  or A3 , 11"×17" .

The test pattern is not counted on the counter.

**5** Place the test pattern on the exposer glass (platen glass) and place a few pieces of blank paper on the back of the test pattern.

#### Limitation

Do not place them in the document feeder. Put them on the exposure glass (platen glass). Using the document feeder may cause a misoperation.

**6** Press **[Scan Start]** to adjust the color calibration.

#### Note

If the machine is a **simplex** machine with the hard key type, press **[Scan]**.

**7** Press **[User Tools]**.



# Operation on the Printer Function Mode

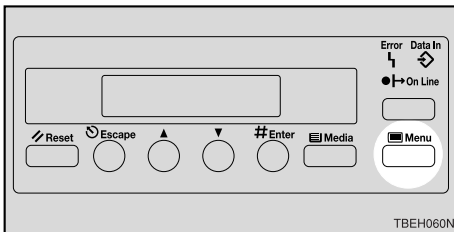
## Preparation

The printer operation panel must be used to do the following procedure.

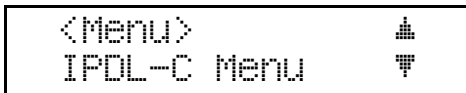
Confirm that a tray for either A4 size paper or not less than 8<sup>1</sup>/<sub>2</sub>"×11" paper is selected.

Selecting a paper tray is necessary if one has not yet been selected.

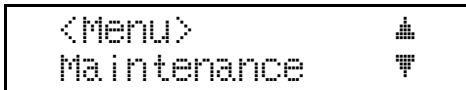
### **1** Press [Menu].



The Menu appears on the panel display.

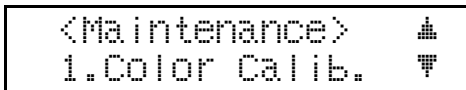


### **2** Press [▲] or [▼] to display "Maintenance".



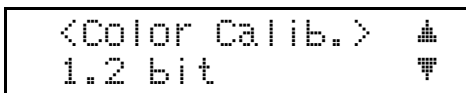
### **3** Press [# Enter].

The following message appears on the panel display.



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

The following message appears on the panel display.



**5** Press **[# Enter]**.

The following message appears on the panel display.

```
<2 bit>      ▲
1.Test Pattern ▼
```

**6** Press **[# Enter]**.

The following message appears and the test pattern begins being printed.

```
<Test Pattern>
Press # key
```

4

**7** Press **[# Enter]**

The following message appears while the test pattern is being printed.

```
Printing...
Test Pattern
```

The following message appears on the panel display after printing the test pattern.

```
Set Pattern on
Glass, Press #
```

**8** Place the test pattern on the exposure glass (platen glass) and place a few pieces of blank paper on the back of the test pattern.**! Limitation**

- Do not place them in the document feeder. Put them on the exposure glass (platen glass). Using the document feeder may cause a misoperation to occur.

**9** Press **[# Enter]** to adjust the color calibration.

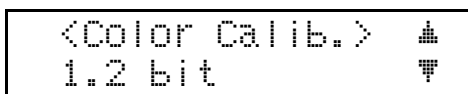
The following message appears on the panel display during calibration.

```
Calibrating...
```

The following message appears after the adjustment of the color calibration has been completed.

```
Completed
```

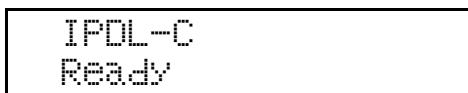
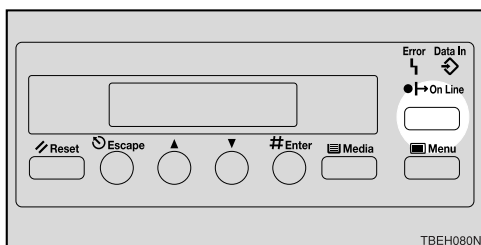
The menu **[Color Calib.]** appears.



 **Note**

- Adjust the color calibration for both the 1 bit and 4 bit (High Quality) modes following steps 8 to 9.

**10** Press **[On Line]** to return to the “Ready” display.



# Restoring Previous Color Calibration Settings

This machine can store the current and previous color calibration settings. In order to restore the previous setting, you should delete the current one.

## Operation on the Copy Function Mode

### Preparation

The operation panel of the copy machine must be used to follow the procedure.

4

**1** Press [User Tools].

**2** Press [Auto Color Calibration] and [Printer Mode].

#### Note

- If the machine is a **simplex** machine with the hard key type, select [Printer Mode], select [Image Adjustment].

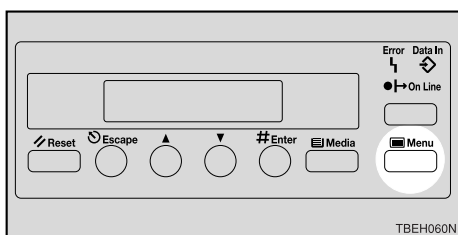
**3** Press [Prev. Setting].

#### Note

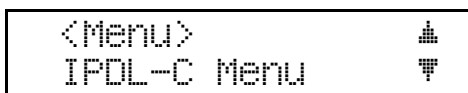
- If the machine is a **simplex** machine with the hard key type, select [Previous].

## Operation on the Printer Function Mode

**1** Press [Menu].



The Menu appears on the panel display.



- 2** Press **[▲]** or **[▼]** to display “Maintenance”.

<Menu>	▲
Maintenance	▼

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

The following message appears on the panel display.

<Maintenance>	▲
1.Color Calib.	▼

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

The following message appears on the panel display.

<Color Calib.>	▲
1.2 bit	▼

- 5** Press **[▲]** or **[▼]** to display the color level which you want to restore.

<Color Calib.>	▲
2.4 bit	▼

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

<4 bit>	▲
1.Test Pattern	▼

- 7** Press **[▲]** or **[▼]** to display “Restore”.

<4 bit>	▲
3.Restore	▼

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

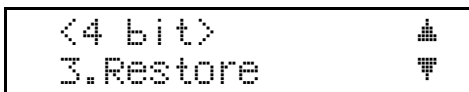
The following message appears on the panel display.

<Restore>
Press # key

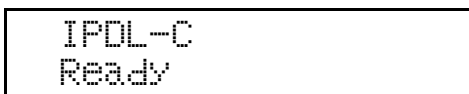
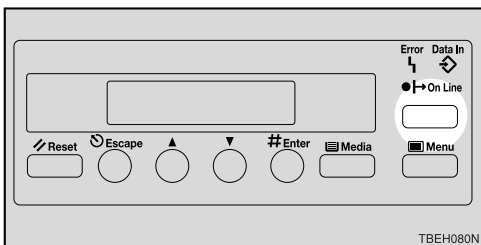
- 9** Press **[# Enter]** to restore the previous color calibration setting again.

Restored
----------

The following message appears on the panel display.



**10** Press **[On Line]** to return to the “Ready” display.



# 5. Using the Operation Panel

Though the factory default settings of the printer are suitable for most printing jobs, the Printer Menu gives you access to a number of settings that control basic printer operations. Printer Menu settings you make are retained even when you turn off the printer.

This section provides the following Printer Menu information.

## ❖ **Setting Menus**

Describes the basic procedures for changing Printer Menu settings.

## ❖ **Protecting the Menus**

Describes how to protect System Menu settings against accidental changes.

## ❖ **Menu Table**

A table chart that shows all of the Printer Menu.

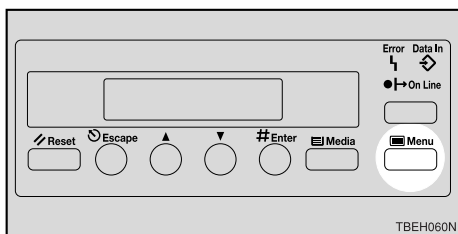
## **Note**

### ❖ **【Menu】 and 【Media】 setting priorities**

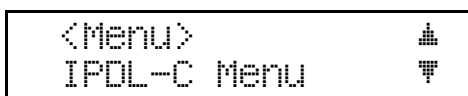
Some of the settings accessed by **【Menu】** can be accessed by **【Media】**. Settings made by **【Menu】** take priority over settings by **【Media】**.

# Setting Menu

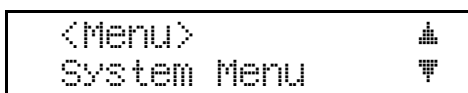
- 1 Press **[Menu]**.



The following message appears on the panel display.

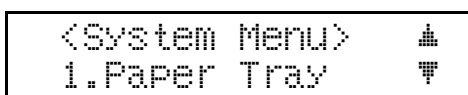


- 2 Press **[▲]** or **[▼]** to display the setting you want to change.



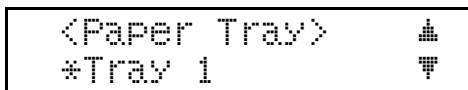
- 3 Press **[# Enter]**.

The following message appears on the panel display.



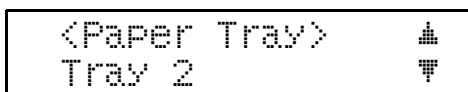
- 4 Press **[# Enter]**.

The following message appears on the panel display.



An asterisk "\*" is indicated at the left side of the currently selected item.

- 5 Press **[▲]** or **[▼]** to display the menu item you want to change.





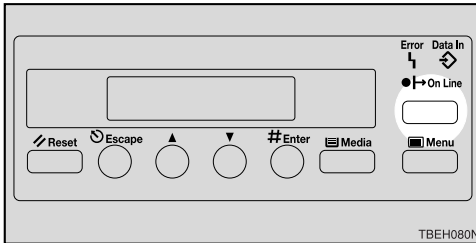
**6** Press **[# Enter]**.



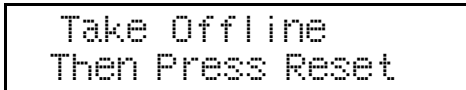
This registers the setting.

**7** Repeat steps **3** to **6** to change the settings of other items.

**8** Press **[On Line]**.



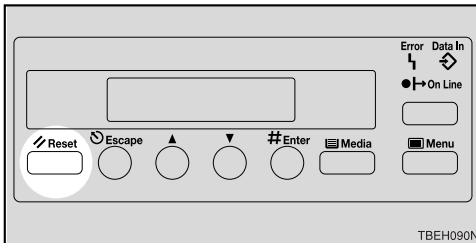
The following message appears on the panel display.



**9** Press **[On Line]** to enter the offline condition.

The On Line indicator stays off.

**10** Press **[Reset]**.



This restarts the printer with the new settings.

**Note**

- You can check the current Menu settings by printing a configuration page.  
⇒ P.58 "Printing the Configuration Page"

# Protecting the Menus

This procedure lets you protect System Menu settings against accidental changes. It makes it impossible to change the System Menu settings you make with the normal procedure unless you perform the required key operation. In a network environment, protecting settings restricts changes to the System Menu settings to network administrators.

---

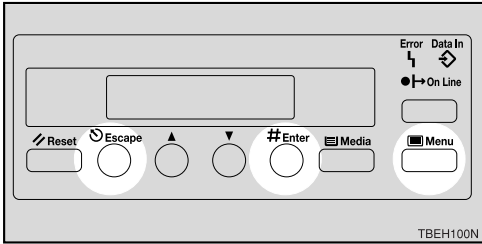
## Protecting the Menus

---

**1** Check if the On Line indicator is on. If not, press **[On Line]** to enter the on-line condition.

**2** Press **[# Enter]**, then **[Escape]**, and then **[Menu]**.

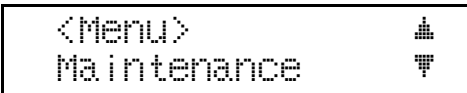
5



The following message appears on the panel display.

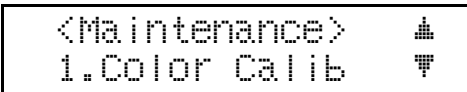


**3** Press **[▲]** or **[▼]** to display "Maintenance".



**4** Press **[# Enter]**

The following message appears on the panel display.



**5** Press **[▲]** or **[▼]** to display "3.Menu Protect".

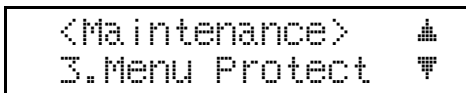
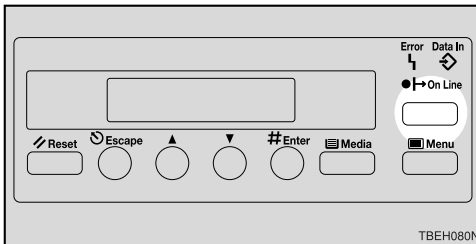


**6** Press **[# Enter]**.

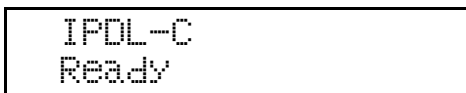
The following message appears on the panel display.

**7** Press **[▲]** or **[▼]** to display "On".**8** Press **[# Enter]**.

This registers the setting. The "Maintenance" menu appears.

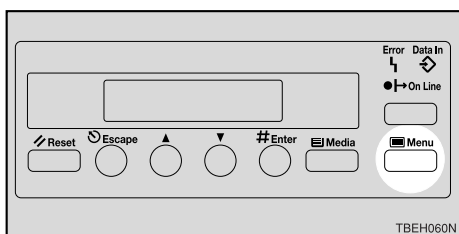
**9** Press **[On Line]**.

The "Ready" message appears on the panel display.

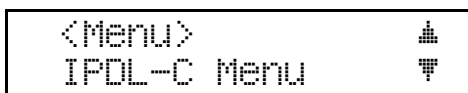


## Changing the Menu Settings without Removing Protect

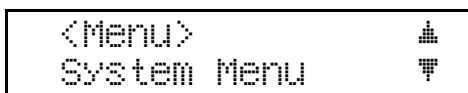
This procedure allows you to change System Menu settings without turning off menu protection. The changes you make are automatically protected as soon as you register them.

**1** Press **[Menu]**.

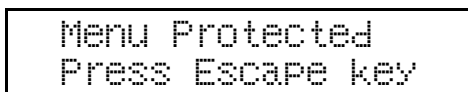
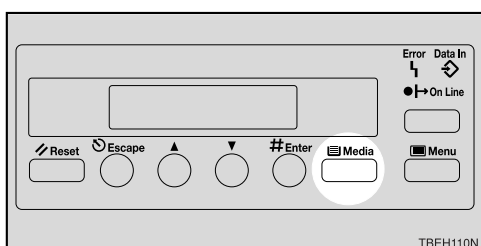
The following message appears on the panel display.

**2** Press **[▲]** or **[▼]** to display "System Menu".

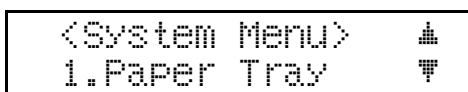
5

**3** Press **[# Enter]**.

A message that System Menu settings are protected appears.

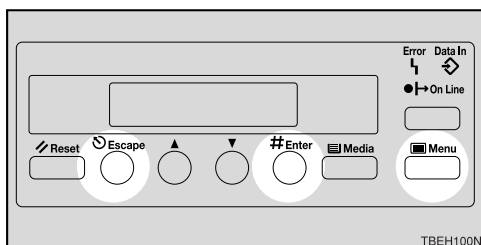
**4** Press **[Media]**.

The following message appears on the panel display.

**5** Change the setting following the normal procedure. ⇒ P.42 "Setting Menu"

## Removing Protect

- 1** Check if the On Line indicator stays on. If not, press **[On Line]** to enter the online condition.
- 2** Press **[Enter]**, then **[Escape]** and then **[Menu]**.



The following message appears on the panel display.

```
<Menu>      ▲
IPDL-C Menu  ▼
```

- 3** Press **[▲]** or **[▼]** to display "Maintenance".

```
<Menu>      ▲
Maintenance ▼
```

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

The following message appears on the panel display.

```
<Maintenance> ▲
1.Color Calib. ▼
```

- 5** Press **[▲]** or **[▼]** to display "3.Menu Protect".

```
<Maintenance> ▲
3.Menu Protect ▼
```

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

The following message appears on the panel display.

```
<Menu Protect> ▲
On              ▼
```

**7** Press **[▲]** or **[▼]** to display "Off".

```

<Menu Protect> ▲
Off ▼
  
```

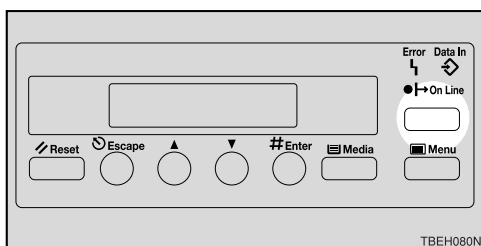
**8** Press **[# Enter]**.

This turns off protection and the "Maintenance" menu appears.

```

<Maintenance> ▲
3.Menu Protect ▼
  
```

**9** Press **[On Line]**.



The "Ready" message appears on the panel display.

```

IPDL-C
Ready
  
```

# Menu Table

IPDL-C Menu	1. Job Timeout
	2. I/O Timeout
RPS2 Menu	1. Color Level
	2. Color Mode
	3. Color Set
	4. Color Profile
	5. Smoothing
	6. Toner Saving
	7. Dithering
	8. Paper Type
	9. Auto Tray SW
	A. Auto Duplex <sup>*1</sup>
	B. Duplex Bind <sup>*2</sup>
	C. Collate / Stack <sup>*3</sup>
	D. Face Up / Down <sup>*4</sup>
	E. Job Timeout
	F. I/O Timeout
	G. Feed timeout
H. Print Error	
I. Ktalk Mode	
J. Parallel IF1	

<sup>\*1</sup> This menu appears when the machine is a duplex machine.  
<sup>\*2</sup> This menu appears when the machine is a duplex machine and has the optional 10-bin or 20-bin sorter installed.  
<sup>\*3</sup> This menu appears when the machine has the optional 10-bin or 20-bin sorter installed.  
<sup>\*4</sup> This menu appears when the machine has the optional 10-bin or 20-bin sorter installed.

System Menu	1. Paper Tray
	2. I/O Buffer
	3. Transfer
	4. Image Memory
	5. Parallel
	6. Bi-direction
	7. OHP Slip
	8. PrinterLang. (Printer Language)
	9. Language
	32. IP Address
	33. Subnet Mask
	34. Gateway Add (Gateway Address)
	35. Access CTL. (Access Control)
	36. Access Mask
	37. Net Boot (Network Boot)
38. Frame NW (Frame Type NW)	
39. Active PTL.	
Maintenance	1. Color Calib.⇒ P.33
	2. Menu Reset⇒ P.63
	3. Menu Protect *1 ⇒ P.44
	4. Log Protect *2
	5. Log Clear *3 ⇒ P.67
List Print	1. Config.Page⇒ P.58
	2. Job Log⇒ P.69
	3. Statistics⇒ P.65

\*1 This menu appears when **[# Enter]**, **[Escape]** and **[Menu]** are pressed while the printer is **On Line**.

\*2 This menu appears when **[# Enter]**, **[Escape]** and **[Menu]** are pressed while the printer is **On Line**.

\*3 If "Log Protect" is set to **On**, "Log Clear" will not appear.



---

## IPDL-C Menu

---

The following are the settings you can make with the “IPDL-C Menu”.

 **Note**

Italicized settings indicate default settings.

❖ **1. Job Timeout**

You can set how long the printer waits before terminating a print job when the printer doesn't receive the end of that print job.

- *000 Off*
- 0 (Off) to 999 seconds

❖ **2. I/O Timeout**

You can set how long the printer waits for more print data before ending its waiting period for data and terminating a job.

- *300 Sec*
- 0 (Off) to 999 seconds

5

---

## RICOH-SCRIPT2 Menu

---

Settings that you can select are described below. Settings made with the printer driver normally take priority, except when a printer driver setting is set to use the printer's settings.

 **Note**

Italicized settings indicate default settings.

❖ **Color Level**

Use this setting to select the number of colors used per dot to [*1 bit*], [*2 bit*] or [*4 bit*].

- 1 bit
- *2 bit*
- 4 bit

❖ **Color Mode**

Use this setting to select either monochrome or color printing.

- *Color*
- Black & White

❖ **Color Set (Color Setting)**

Use this setting to select the correction method used for converting the RGB data to CMYK data.

- Off  
No modification to the color setting.

- *Vivid*  
Select this setting to perform CMYK conversion with enhanced saturation and brightness to print vivid colors.
- Super Vivid  
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.
- Fine  
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. This setting is useful when the application and printer driver do not support the color matching features.

 **Note**

- The color rendering dictionary that is selected on the Color Profile settings is used.

- Super Fine  
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 vivid.

❖ **Color Profile**

Use this setting to select the 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 the "Color Setting".

 **Note**

- When selecting **[OHP]** as the paper type, the CRD automatically adjusts to use 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.

- Photograph  
Use this setting to enhance the reproduction of photos and graphics that include midtones.
- *Presentation*  
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 gradations might not be reproduced well.
- Solid Color  
Use this setting to print specific colors, logos and so on.

## ❖ Smoothing

Use this setting to select whether Smoothing is available or not.

- Off
- *Auto*

### 📍 Limitation

- When the Color Level is set to **[1 bit]**, Smoothing is enabled.
- When Toner Saving is selected, Smoothing is not enabled.

## ❖ Toner Saving

Use this setting to select whether Toner Saving is available or not.

- *Off*
- 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 setting to select the image mode that is best for the type of data you are printing.

- *Auto*  
Select this setting to set automatically a mode that is suitable for printing.
- Photographic  
Select this setting to print photographs.
- Text  
Select this setting to print text.

## ❖ Paper Type

Use this setting to select the paper type for printing as: Plain Paper, Thick Paper, or OHP Transparency.

- *Plain Paper*
- OHP
- Thick Paper

Selecting an OHP Transparency as the paper type automatically adjusts internal settings to use 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, the **[Color Profile]** setting is not enabled.

**❖ Auto Tray SW (Auto Tray Switch)**

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

- *On*
- *Off*

To use this feature, the optional tray unit should be installed on the printer, and paper having the same size and direction should be loaded in both the standard and optional trays.

**❖ Auto Duplex**

Use this setting to select duplex print.

This item can be used only a duplex machine.

- *Off*
- *On*

**❖ Duplex Bind**

Use this setting to select the binding position of duplex prints.

- *Short Edge*
- *Long Edge*

**❖ Sort/Stack**

Use this setting to select sort or stack.

- *Off*
- *Sort*
- *Stack*

**❖ Face Up/Down**

Use this setting to select face-down or face-up printing. This setting can be used only when [**3 bin Sorter**] is selected. If [**Long Edge**] or [**Short Edge**] is selected in **Auto Duplex**, this selection will be ignored.

- *Face Down*
- *Face Up*

**❖ Job Timeout**

Use this setting to set how long the printer waits before terminating a print job when the printer does not receive the end of the current print job. You can set a time ranging from 1 to 999 seconds, or you can turn this feature off (no time limit = 0 second).

- *000 Off*
- *0 (Off) to 999 seconds*

**❖ I/O Timeout**

Use this setting to set how long the printer waits for more print data before ending its wait period and terminating a job. The job is automatically cancelled if no data is received for the selected time.

- *300 Sec*
- 0 (Off) to 999 seconds

**❖ Feed timeout**

Use this setting to set how long the printer waits for the correct paper size loaded, when paper runs out while printing. The job is printed with the paper currently loaded if the correct size is not loaded within the selected time.

- *60 Sec*
- 0 (Off) to 999 seconds

**❖ Print Errors**

Use this setting to select if an error report should be printed from the current tray when a PostScript error occurs while printing.

- *Off*
- On

**❖ Ktalk Mode**

This setting is not available.

**❖ Parallel IF**

Use this setting to select the parallel interface timing. When “System Default” is selected, the setting in the “System Menu” is used.

- *System Default*
- ACK Inside
- ACK Outside

---

## System Menu

---

The following are the settings you can make with the “System Menu”.

** Note**

Italicized settings indicate default settings.

**❖ 1. Paper Tray**

You can select the default paper tray whenever you turn on the printer. Only available trays will be displayed.

- *Tray 1*
- Tray 2
- Tray 3
- Tray 4
- Bypass

**❖ 2. I/O Buffer**

You can select the size of the I/O buffer. Normally it is not necessary to change this setting.

- 16KB
- 32KB
- 64KB
- *128KB*
- 256KB
- 512KB

**❖ 3. Transfer**

You can select the data transfer speed of the parallel interface. If you are having trouble with data transfers, try changing this setting to "Normal".

- *Hi-speed*
- Normal

**5****❖ 4. Image Memory**

This setting controls what the printer does when the printer memory is not enough to print a certain page.

- *Off*
- On

**❖ 5. Parallel**

You can select the parallel interface timing setting. Normally it is not necessary to change this setting.

- ACK Inside
- *ACK Outside*
- STB Down

**❖ 6. Bi-direction**

You can select the printer response mode for status fetch requests when the standard parallel interface is being used. Use the "Standard" setting when you are experiencing problems while the printer is connected to another manufacturer's print box.

- *Original Mode*
- Standard

**❖ 7. OHP Slip**

The OHP Slip is a sheet of paper placed between printed OHP transparencies. You can set this option to off or on.

- *On*
- Off

**❖ 8. PrinterLang.**

You can select the printer language that is automatically used when the printer is turned on. Selecting IPDL-C or RPS is required when you set the menu for each printer language.

- *IPDL-C*
- RPS (RICOH-SCRIPT2)

**❖ 9. Language**

You can select the language of the text that appears on the panel display.

- *English*
- French
- German
- Italian
- Dutch
- Japanese

**❖ 32. IP Address– 39. Active PTL**

You can configure the printer for the network.

** Reference**

For more information on configuring the printer for the network, see the “Printer Reference” that is provided as a paper manual.

## Printing the Configuration Page

Use the following procedure to print the configuration page which shows the current printer settings.

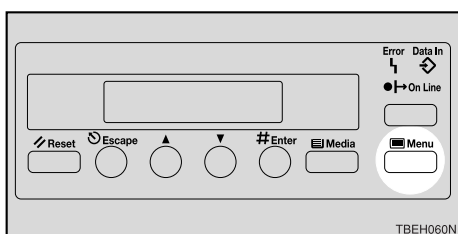
### Note

- If you want to print the configuration page in the RICOH-SCRIPT2 mode, confirm that the printer language is set to the RPS2 mode. Normally the printer is set to the IPDL-C mode. Follow the procedure below from **2**.

### Reference

For more information on selecting a printer language, see the "Printer Reference" that is provided as a paper manual.

#### 1 Press [Menu].



The following message appears on the panel display.

```
<Menu>
IPDL-C Menu
```

#### 2 Press [▲] or [▼] to display "List Print".

```
<Menu>
List Print
```

#### 3 Press [# Enter].

The following message appears on the panel display.

```
<List Print>
1. Config. Page
```

#### 4 Press [# Enter].

The following message appears on the panel display.

```
<1. Config. Page>
Press # key
```



**5** Press **[# Enter]**.

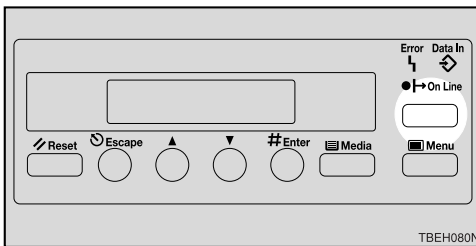
This starts printing the configuration page.

The following message appears while printing the configuration page.

```
Printing...
Config.PaSe
```

The "List Print" menu appears after printing the configuration page.

```
<List Print>
1.Config.PaSe
```

**6** Press **[On Line]**.

The "Ready" message appears on the panel display.

```
IPDL-C
Ready
```

# Interpreting the Configuration Page

## Interpreting the Configuration Page/IPDL-C

### Reference

#### ❖ Firmware Version

This shows the version of the printer firmware.

#### ❖ Total Installed RAM
















This is the total amount of memory installed in the printer.






### Printer information

#### ❖ Tray 1–4, Bypass Tray

This table shows the paper sizes for each tray. Only the available trays are shown.

#### Note

Paper Size	Indicated on the Configuration Page
A3 	A3R
B4 	B4R
A4 	A4R
A4 	A4
B5 JIS 	B5R
B5 JIS 	B5
A5 	A5R
A5 	A5
B6 JIS 	B6R
A6 	A6R
12"×18" 	DL+
11"×17" 	DLR
8 <sup>1</sup> / <sub>2</sub> "×14" 	LGR
8 <sup>1</sup> / <sub>2</sub> "×13" 	F4R
8 <sup>1</sup> / <sub>2</sub> "×11" 	LTR

Paper Size	Indicated on the Configuration Page
11"×8 <sup>1</sup> / <sub>2</sub> " 	LT
8 <sup>1</sup> / <sub>4</sub> "×13" 	FLR
8"×13" 	FR
5 <sup>1</sup> / <sub>2</sub> "×8 <sup>1</sup> / <sub>2</sub> " 	HLR
8 <sup>1</sup> / <sub>2</sub> "×5 <sup>1</sup> / <sub>2</sub> " 	HLT

#### ❖ Pages Printed

This is the total number of pages printed by the printer to date.

#### ❖ Printer Error

This shows information on the status of consumable items and so on.

---

### Status list

---

#### ❖ IPDL-C

This shows current "IPDL-C" settings.

#### ❖ System

This shows current "System Menu" settings.

#### ❖ Network

These are the settings and status of the Network Interface Board.

---

### Error log

---

This is a log of printer errors.

---

## Interpreting Configuration Page/RICOH-SCRIPT2

---

#### ❖ Reference

Shows the printer system version, ID and so on. You can also see the status of the paper tray and the total number of pages printed to date.

#### ❖ Tray Status

Shows the status of the paper trays.

#### ❖ RPS2 Status

Shows the current settings for the RPS2 mode.

#### ❖ Memory Status

Shows the amount of printer memory, VM area and so on.

❖ **Font Status**

This is not used for this printer.

❖ **Installed Fonts**

Shows the fonts installed on the printer.

❖ **Interface Status**

Shows that the Network Interface Board is installed.

❖ **Network & TCP/IP Status**

Shows the network and TCP/IP items and their settings.

❖ **NetWare Status**

Shows the NetWare items and their settings.

❖ **NetBEUI Status**

Shows the NetBEUI items and their settings.

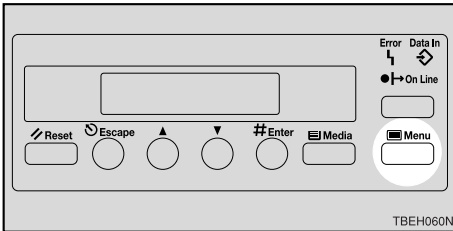
❖ **AppleTalk Status**

Shows the AppleTalk items and their settings.

# Resetting Menus

Use the following reset procedure to return the settings of all menus to their initial default settings.

- 1** Turn on the power switch.
- 2** Press **[Menu]**.



The following message appears on the panel display.

```
<Menu>      ▲
IPDL-C Menu  ▼
```

- 3** Press **[▲]** or **[▼]** to display "Maintenance".

```
<menu>      ▲
Maintenance  ▼
```

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

The following message appears on the panel display.

```
<Maintenance>  ▲
1.Color Calib. ▼
```

- 5** Press **[▲]** or **[▼]** to display "2.Menu Reset".

```
<Maintenance>  ▲
2.Menu Reset   ▼
```

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

The following message appears on the panel display.

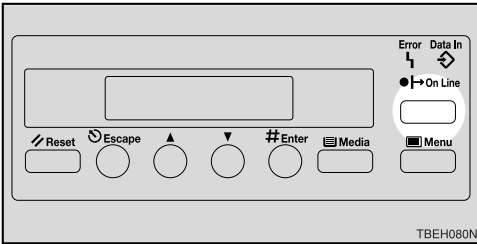
```
<Menu Reset>
Press # Key
```

**7** Press **[# Enter]**.

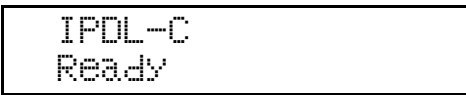
The following message appears on the panel display.



**8** Press **[On Line]**.



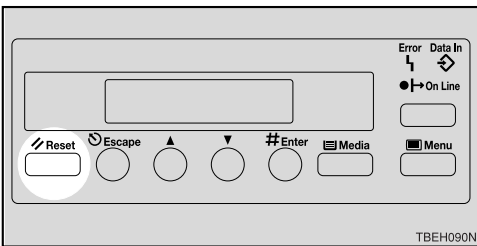
The "Ready" message appears on the panel display.



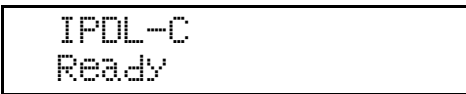
**9** Press **[On Line]** to enter the offline condition.

The **On Line** indicator stays off.

**10** Press **[Reset]**.



This resets all menus to their initial factory defaults, and returns to the "Ready" display.



# Administering Printing by User Code

This printer keeps a record of the number of pages printed for each User Code set in the printer driver. Using an 8 digit code allows you to keep a record of the number of prints made by each user code for 3 types of printing. You can monitor, black and white, 3 or 4 colors and other print jobs. \*<sup>1</sup> You can view the contents of a statistics report through the PRINTER MANAGER for ADMIN.

You can also set the same User Code within a department in the office. Up to 100 User Codes are available.

\*<sup>1</sup> Other means black and an additional color, or two colors neither of which is black.

- With Windows 95/98, you can set the User Code during driver installation.
- With Windows NT 4.0, you can set the User Code from the Printer Properties after installing the printer driver.
- With RICOH-SCRIPT2, you can only select whether or not to use the fixed User Code.

## Important

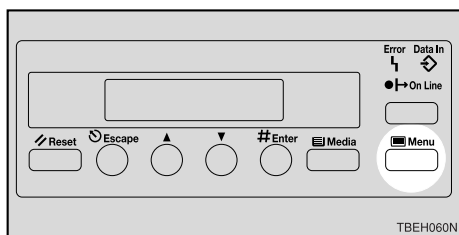
- With Windows 95/98, changing the User Code can only be done after reinstalling the printer driver.
- With Windows 95/98, if the printer name is changed after installing the printer driver, the User Code will be cancelled.

5

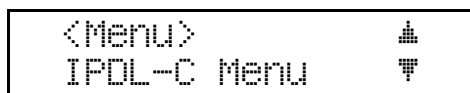
## Viewing the Number of Pages Printed for Each User Code

The following procedure shows how to print the list of User Codes and the number of pages printed for each User Code.

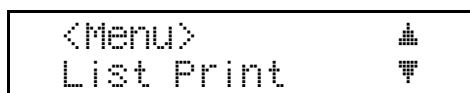
### **1** Press [Menu].



The Menu appears.



### **2** Press [▲] or [▼] to display "List Print".



**3** Press **[# Enter]**.

The following message appears on the panel display.

```
<List Print> ▲
1.Config.Pa&e ▼
```

**4** Press **[▲]** or **[▼]** to display “3.Statistics”.

```
<List Print> ▲
3.Statistics ▼
```

**5** Press **[# Enter]**.

The following message appears on the panel display.

```
<3.Statistics>
Press # key
```

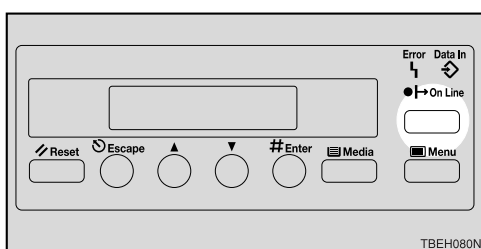
Press **[# Enter]**.

The following message appears while printing the statistics report.

```
Printing...
Statistics
```

The “List Print” menu appears after printing the statistics report.

```
<List Print> ▲
3.Statistics ▼
```

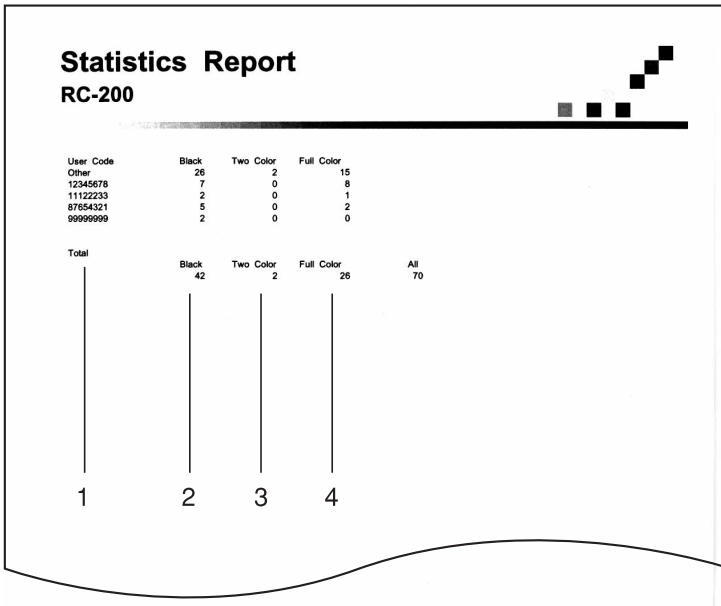
**6** Press **[On Line]**.

The “Ready” message appears on the panel display.

```
IPDL-C
Ready
```



## Reading the Statistics Report



### 1. User Code

Shows a list of User Codes. However, if User Codes have not been configured, “other” appears.

With RICOH-SCRIPT2, User Code is fixed to “99999999”.

### 2. Black

Indicates the number of pages printed in black and white.

### 3. Two Color

Indicates the number of pages printed with two colors or less (excluding Black and White).

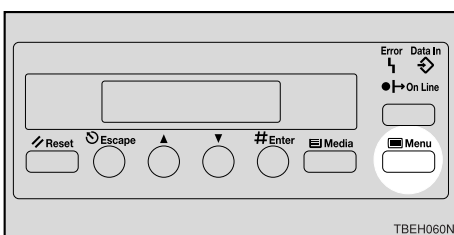
### 4. Full Color

Indicates the number of pages printed with three or four colors.

## Deleting the User Code Record

The following procedure shows how to delete the User Code record.

**1** Press **[Menu]**.



The Menu appears.



**2** Press [▲] or [▼] to display “Maintenance”.



**3** Press [# Enter].

The following message appears on the panel display.



5

**4** Press [▲] or [▼] to display “Log Clear”.



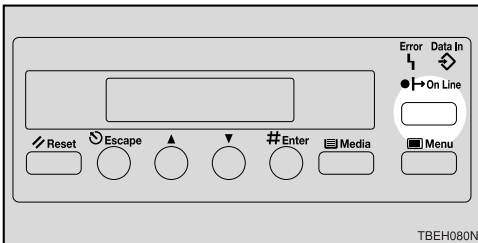
**5** Press [# Enter].

The following message appears on the panel display.

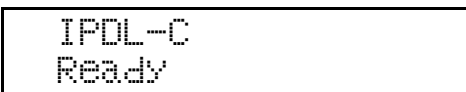


**6** Press [# Enter] to delete the User Code record.

**7** Press [On Line].



The “Ready” message appears on the panel display.



## Using the Job Log

This printer records a Job Log which shows the time of each print job, the number of pages, and the current print status of each job. The Job Log also shows User ID for each job, making it easy to find the job in the log.

You can set up a User ID using 8 characters or less, which can help you to find your own job log among many who share the same User Code. Up to 64 User IDs are available.

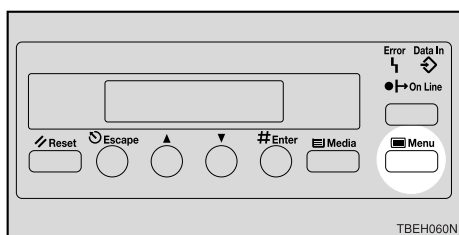
### Note

- Set up a User ID with the printer driver when you print.
- You can change the User ID every time you print.
- You can also browse the job log on your computer by accessing PRINTER MANAGER FOR ADMIN/CLIENT.
- Turning off the power or resetting the printer deletes the job log.

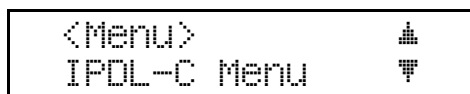
5

## Printing the Job Log

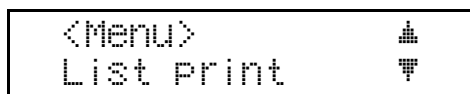
### 1 Press [Menu].



The Menu appears.

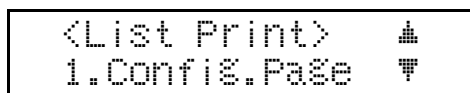


### 2 Press [▲] or [▼] to display "List Print".



### 3 Press [# Enter].

The following message appears on the panel display.



**4** Press **[▲]** or **[▼]** to display “Job Log”.

```
<List Print> ▲
2.Job Log     ▼
```

**5** Press **[# Enter]**.

The following message appears on the panel display.

```
<2.Job Log>
Press # Key
```

**6** Press **[# Enter]**.

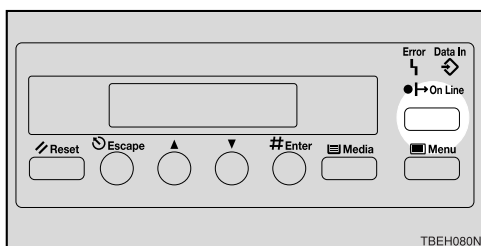
The following message appears while printing the job log.

```
Printing...
Job Log
```

The “Print List” menu appears after printing the job log.

```
<List Print> ▲
2.Job Log     ▼
```

**7** Press **[On Line]**.



The “Ready” message appears on the panel display.

```
IPDL-C
Ready
```

## Reading the Job Log

**Job Log**  
RC-200

	User ID	Printer Language	Request Time	Black	Two Color	Full Color	Status
1:	?	IPDL-C	99/08/31 15:16	0	0	1	Print Complete
2:	123	IPDL-C	99/08/31 15:16	1	0	0	Print Complete
3:	?	IPDL-C	99/08/31 15:16	1	0	0	Print Complete
4:	?	IPDL-C	99/08/31 15:22	0	0	1	Print Complete
5:	RPS2	RicoHScript2	99/08/31 15:25	0	0	1	Print Complete
6:	A123	IPDL-C	99/08/31 15:25	0	0	1	Print Complete
7:	RPS2	RicoHScript2	99/08/31 15:25	0	0	1	Print Complete
8:	A2534	IPDL-C	99/08/31 15:25	1	0	0	Print Complete
9:	A2534	IPDL-C	99/08/31 15:27	0	0	1	Print Complete
10:	A2534	IPDL-C	99/08/31 15:29	1	0	0	Print Complete
11:	ACC01	IPDL-C	99/08/31 15:41	1	0	0	Print Complete
12:	RPS2	RicoHScript2	99/08/31 15:41	1	0	0	Print Complete
13:	?	IPDL-C	99/08/31 15:42	1	0	0	Print Complete

1      2      3      4      5      6      7

### 1. User ID

Indicates the User ID. "?" appears when the User ID is not set up. If the "Statistics Code" is set to **[On]** in the RICOH-SCRIPT2 mode, the fixed User ID of RPS2 will appear.

### 2. Printer Language

Indicates the printer Language, either IPDL-C or RICOH-SCRIPT2 (RPS2).

### 3. Request Time

Indicates the time when the job was requested by the printer driver.

#### Note

- It is not available with RPS2.

### 4. Black

Indicates the number of pages printed in black and white.

### 5. Two Color

Indicates the number of pages printed with two colors or less (excluding Black and White).

### 6. Full Color

Indicates the number of pages printed with three or four colors.

### 7. Status

Indicates the current status of each job.



## Color Guide

---

### Color Printing Basics

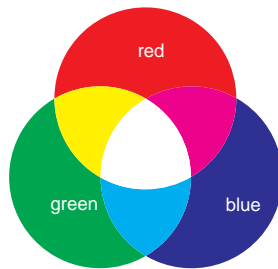
---

---

#### Additive (Emitted) and Subtractive (Reflected) Color Models

---

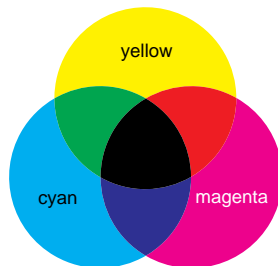
All light is a mixture of red, green, and blue, which is normally called the RGB model. When red, green, and blue are of equal intensities, the RGB color model produces white.



 **Note**

- RGB is also called additive or emitted color. The colors on your computer screen are produced by varying the intensities of RGB.

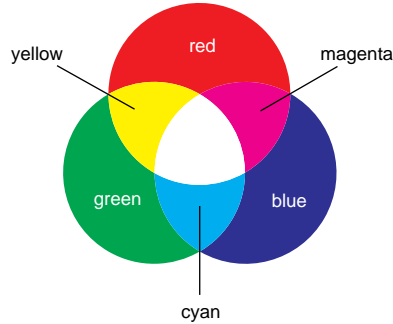
Printed color is a mixture of cyan, magenta, and yellow, which is normally called the CMY color model. When mixed in equal proportions the CMY color model produces black.



 **Note**

- CMY is also called subtractive or reflective color. The printer uses CMY toner plus K (black) toner (CMYK color model) to provide full color printing.

The colors of the RGB color model can be mixed to produce the cyan, magenta, and yellow of the CMY color model and vice versa. Two colors of one model are mixed to produce the color of the other model (mixing blue and green produces cyan, for example). The remaining color is the complement of the color produced (red in this example). Complementary colors are: red and cyan, green and magenta, blue and yellow.



---

## Printed Color

---

The printer produces full-color output using four toner colors: cyan, magenta, yellow, and black. These four colors make up the CMYK color model.

### Note

- ❑ Mixing CMY in equal proportions should hypothetically produce pure black, but imperfections in the ink cause an equal measure of these colors to produce a muddy or dark brown. Black toner is added to the color model in order to make it possible to produce pure black.



# Paper Size and Color Level




The following table shows the correspondence between the color level selected in the printer driver and the available paper size to be printed.

Paper Size	1 bit	2 bit	4 bit
12"×18"	√		
A3, 11"×17"	√	√	
B4, 8 <sup>1</sup> / <sub>2</sub> "×14"	√	√	
A4, 8 <sup>1</sup> / <sub>2</sub> "×11" or smaller	√	√	√

- √ means the printing can be accomplished with both black and white and color modes.
- Blank cell means the printing may not be completed, if the document contains a large volume of data.

# Specifications

This section contains the electrical and hardware specifications for the printer controller.

Component	Specification								
Resolution	600 dpi								
Printing Speed	14 ppm (Monochrome) / 4 ppm (Color) : Simplex machine 18 ppm (Monochrome) / 4 ppm (Color) : Duplex machine (A4  , 8 1/2"×11"  )								
Parallel Interface	IEEE1284B Standard 36-pin printer cable and a parallel port on the host computer   <b>Note</b> <input type="checkbox"/> Do not use a parallel cable that is longer than 2.5 meters (8.2 feet).								
Network Interface	10BASE-T/100BASE-TX shielded twisted-pair (STP) cable and category / Type 5 cable								
Page description language	IPDL-C RICOH-SCRIPT2								
Fonts	39 Roman fonts (RICOH-SCRIPT2)								
Memory	Standard and Maximum : 96 MB								
Operation System Supported by this printer	Windows 95/98 Windows NT 4.0 MacOS 7.6~8.6								
Network	<b>Topology</b> : Ethernet 10BASE-T/100BASE-TX <b>Protocol</b> : IPX/SPX, NetBEUI, TCP/IP, AppleTalk								
Supported Copier Models	<table border="1"> <tbody> <tr> <td>Ricoh Aficio Color</td> <td>3006, 4006, 4106</td> </tr> <tr> <td>Gestetner</td> <td>CS206, CS206d, CS206de</td> </tr> <tr> <td>Savin</td> <td>SDC306, SDC306A, SDC306E</td> </tr> <tr> <td>Lanier</td> <td>5706AG, 5706AH, 5806AG, 5806AH 5806E AG, 5806E AH</td> </tr> </tbody> </table>	Ricoh Aficio Color	3006, 4006, 4106	Gestetner	CS206, CS206d, CS206de	Savin	SDC306, SDC306A, SDC306E	Lanier	5706AG, 5706AH, 5806AG, 5806AH 5806E AG, 5806E AH
Ricoh Aficio Color	3006, 4006, 4106								
Gestetner	CS206, CS206d, CS206de								
Savin	SDC306, SDC306A, SDC306E								
Lanier	5706AG, 5706AH, 5806AG, 5806AH 5806E AG, 5806E AH								

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## Note to users in the United States of America

### Notice:

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

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

**Reorient or relocate the receiving antenna.**

**Increase the separation between the equipment and receiver.**

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

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

### Warning

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

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

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

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

### Declaration of Conformity

Product Name: Printer Controller

Model Number: Color Controller RC-200

Responsible party: Ricoh Corporation

Address: 5 Dedrick Place, West Caldwell, NJ 07006

Telephone number: 973-882-2000

This device complies with part 15 of FCC Rules.

Operation is subject to the following two conditions:

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

### Note to users in Canada

#### Note:

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

#### Remarque concernant les utilisateurs au Canada

#### Avertissement:

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

