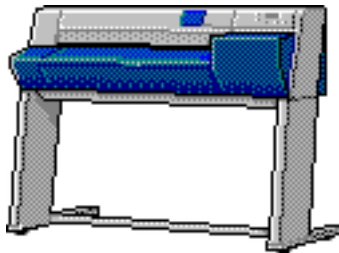


Context Help



Large Format Printer W7200/W7250



Read this First

This online Help provides explanations concerning Mac OS X printer drivers.

The examples are applicable to Mac OS X v10.3. Some examples may not apply to the versions before v10.2.

How to Use Help

The online Help for this printer driver contains context and contents Help.

- Help information is classified into topics arranged in order. Clicking a topic displays the related information.



- If the information provided is longer than a page, click [] at the bottom right of the Help window to display the next page.
- To close the Help window, click the close box [] at the top left of the Help window.

Trademarks and Abbreviations

Trademarks

Macintosh and Mac OS are trademark of Apple Computer Inc. in the United States and other countries.

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Abbreviations

The following abbreviations are used in this Help:

The term “GARO”, used in the name of this printer driver, is an acronym for “Graphic Arts Language with Raster Operations”.

Mac OS refers to “Mac OS X version 10.1 and later versions”.

About the Printer Driver

What is a Printer Driver?

A printer driver is a program that is required to print documents created with a Macintosh software application.

The printer driver must be installed in the Macintosh operating system before the printer can be used.

Note

The format of the data required for printing is different for every printer, so the correct printer driver for each printer must be installed in the operating system.

Opening the Printer Driver

There may be occasions when you need to open the printer driver in order to select the media size, print method, or print quality. Access the printer driver from the applications File menu.

[Open the Page Setup Dialog Box](#)

Allows you to select the Media Size, Orientation, and enlarge or reduce media settings.

[Open the Print Dialog Box](#)

Allows you to select the number of pages and copies to print, output method, Color settings, Device settings and other settings.

Closing the Printer Driver

Use the buttons at the bottom of the print dialog box to close the printer driver.

Print button

Printing is performed in line with the changes made to the settings.

Cancel button

Click to ignore selections, close the dialog box, and return to the previous screen of the software application.

Preview button

Displays the printing images of the selected settings.

Save As PDF button (Mac OS X v10.2 or later)

Applies the changed settings and saves the print data as a PDF file.

Revert button

Returns you to the same setting as that directly after the dialog box item was opened.

Printing a Document

Follow this basic procedure to print a document from a software application.

- 1 Click File menu and select Print.
- 2 Complete the required settings for each panel.
- 3 Click the Print button to start the print job.

Print Dialog Box Organization

- The print dialog box contains panels for each function.
- If you click Copies & Pages menu at the top of the dialog box, you can switch between display of each panel.
- Use the buttons and pop-up menus on each panel to select settings.
- The graphics and text in the Preview area on the left side of the panel change to reflect each new setting made by selecting from a pop-up menu, clicking a button, or clicking a check box.

Page Setup Dialog Box Organization

- The Page Setup dialog box contains Page Attribute and List panels.
- If you click the Page Attribute menu at the top of the dialog box, you can switch between the displays of each panel.
- Use the buttons and pop-up menus on each panel to select settings.

Note

The Custom Paper Size panel is displayed in Mac OS X v10.2 or later and you can print with custom paper sizes only with an operating system later than Mac OS X v10.2.3.

Setting Media

Selecting the Media

In addition to Plain Paper and Glossy Paper, other media like Coated Paper, Glossy Film, etc. can be selected for print jobs.

Here are some examples of media that can be selected from the Media Type list on the Main panel.

Examples of Available Media

- **Plain Paper**
- **Coated Paper**
- **Glossy Paper**
- **Glossy Film**

Select the correct Media Source (feed method) for these media. For more details about paper and the media recommended for print jobs with this printer and how to set to this printer, refer to the User's Guide.

Before changing the Media Type selection, confirm the following points.

- Coated paper, Glossy Paper, and other special print media have only one print side. Be sure load media for printing on the correct print side. For details, see the User's Guide.
- Set the paper size, margin settings, and orientation in the printer driver or the software application.



- The number of Print Quality selections is determined by the Media Type selection.
- On the Page Attribute panel in the Page Setup dialog box, confirm that the enlargement/reduction has been set properly.
- On the Main panel of the printer driver, select the Media Type and Media Source that matches the name of the loaded media.
- For more details about storing and handling paper and special media, refer to the instructions printed on the media wrapper or printed on a special instruction sheet provided with the media package.

Selecting the Media Source

- 1 [Open the Print dialog box from the software application.](#)
- 2 On the Main panel, click the Media Type menu, and then select the [Media](#).
- 3 Click Media Source and select the feed source.
- 4 Click the Print button, and printing starts with the selected settings.

Note

- The printer can use both roll paper and cut sheets.
- With roll paper feed you have the following options: Automatic Cutting, Banner Printing, and Conserve Paper.

Related Topic

[Features Available for Printing on Roll Paper](#)

Selecting the Media Size

- 1 [Open the Page Setup dialog box from the software application.](#)
- 2 On the Page Attribute panel, select Format for to select the printer, then click the Media Size menu and select the media size for the print job.

Note

- If your operating system is later than Mac OS X v10.2.3 you can select and print with previously created custom paper sizes; however, if you are using Mac OS X v10.2.3, you can use these custom paper sizes only after selecting Any Printer under Format for.

If you are using an operating system after Mac OS X v10.2.4, under Format for you can select any printer and print with custom paper sizes.

- Select the media size with the notation of Oversize such as ISO A4 – Oversize to print the image or text to the full in specified size on the media.
 - When printing with Oversize you must insert media large enough to include the margins required by the printer.
- 3 Click the OK button to close the Page Setup dialog box.
 - 4 [Open the Print dialog box from the software application.](#)



5 Click the Print button, and printing starts with the selected settings.

Note

For more details about media sizes available for selection, refer to the User's Guide.

Related Topic

[Creating Custom Paper Sizes \(Mac OS X v10.2.3 or later\)](#)

[Printing in Oversize](#)

Preset Selection

You can store printer driver settings used for printing and use them repeatedly when desired at a later date. You can also return the printer driver to its initial settings by selecting Standard.

Selecting Preset

- 1 [Open the Print dialog box from the software application.](#)
- 2 Click the [Preset](#) menu in either panel. In Mac OS X v10.1, select Custom, in Mac OS X v10.2 or later, select the name setting used to save.

Stored values are set in each of the items in the dialog box.

- 3 Click the Print button and printing starts.

Related Topic

[Storing Preset](#)

Storing Preset

In Mac OS X v10.1, you can store settings for one print job only. If you store the settings again, the previously stored settings are deleted and the current settings are stored.

In Mac OS X v10.2 or later, you can use the Save As item on the Preset menu to save settings under a name of your choosing. If you select Save from the Preset menu, the current settings will be saved under the currently selected setting name.

Storing Preset

- 1 [Open the Print dialog box from the software application.](#)
- 2 Complete the required settings to print on each menu.
- 3 After completing the settings in Mac OS X v10.1, from the menu select Save Custom Setting. If you are using Mac OS X v10.2 or later, from the Preset menu select Save, or Save As and then enter the new name.

Related Topic

[Preset Selection](#)

Creating Custom Paper Sizes (Mac OS X v10.2.3 or later)

- 1 [Open the Page Setup dialog box from the software application.](#)
- 2 Under Settings select the Custom Paper Size, then on the Custom Paper Size panel click the New button.
- 3 At the top of the list on the left, enter the name of the paper size you want to create.

This name will appear in the Media Size menu in the Page Setup dialog box.
- 4 Enter the numbers for the Media Size and Print Margins settings to define the paper size.

Note

Select the custom paper size within the following ranges. Here is a list of the ranges of Paper Size supported by the printer driver for printing:

(W7200)

Roll Paper: Width 21.0-91.7cm, Height 21.0-500.0cm

Cut Sheet: Width 21.0-91.7cm, Height 21.0-160.0cm



(W7250)

Roll Paper: Width 21.0-63.5cm, Height 21.0-500.0cm

Cut Sheet: Width 21.0-63.5cm, Height 21.0-140.0cm

For the Printer Margins, enter numbers within these limits:

Left, Right Margins: More than 0.50cm

Top Margins: More than 2.0cm

Bottom Margins: More than 2.3cm

- 5 Click the Save button to save the definition of the new size.
- 6 Now you can print with this new size after you select the saved custom paper size for the Media Size on the Page Attribute panel.

Setting Print Quality

Selecting Print Quality

Selecting print quality strikes the balance between the quality of the printed image and printing speed. For example, a print job set for High requires more time to print than a job set for Draft.

- 1 [Open the Print dialog box from the software application.](#)
- 2 On the Main panel under Print Quality, click a button for the appropriate setting.

High

Gives priority to quality over speed.

Standard

Balances quality with printing speed.

Draft

Gives priority to speed and reduces ink consumption. Ideal for checking layouts.



Custom

See "[Customizing Print Quality](#)".

Note

The availability of selections in the Set Print Quality dialog box is determined on the Media Type selected for the print job.

- 3 Click the Print button, and printing starts with the selected settings.

Customizing Print Quality

The print quality can be adjusted manually.

- 1 [Open the Print dialog box from the software application.](#)
- 2 Display the Main panel.
- 3 Under Print Quality, select the Custom to open the Custom Settings dialog box.
- 4 Click the Print Quality menu and select a setting. The Resolution option allows you to adjust print quality.
- 5 Click the Resolution menu and select a setting from the list.
- 6 Click the OK button to close the dialog box.
- 7 Click the Print button, and printing starts with the selected settings.

Note

The availability of selections for Print Quality and Resolution in the Custom Settings dialog box is determined by the Media Type selected for the print job.

Adjusting Color

Color Matching

Several [ICC](#), [ColorSync](#) RGB [Color Profile](#) for [Color Matching](#).

- 1 [Open the Print dialog box from the software application.](#)
- 2 Display the Main panel.
- 3 Under Color Mode, select Color, and then click the Set button to open the Color Settings dialog box.

Note

If the Matching sheet is not displayed, click the Cancel button to return to the previous screen. Make sure that Color is selected under Color Mode before you click the Set button.

- 4 On the Matching sheet, click the Mode list, and then select the matching mode.

Driver Correction

Independent driver color matching is performed.



ICC Correction

With ColorGear Lite, use input/ output profiles.

ColorSync

Perform Color Matching using **CMM** provided with the Mac OS. Input Profile will be the profile selected by the OS.

No Correction

No color matching is performed.

- 5 If you have selected the ICC correction, click the Input Profile Settings and select a Input Profile.
- 6 Click Matching Method and select a setting.

Perceptual

Gives priority to hue.

Saturation

Gives priority to vividness in color matching.



Colorimetric

Within the printer's range of color reproduction, reduce measurable color differences.

Absolute Colorimetric

Performs Colorimetric color matching but without white point correction. This selection is not available for Driver Correction.

- 7 If you have selected the ICC correction or the ColorSync, click the Printer Profile Settings and select a printer profile.
- 8 Click the OK button to close the dialog box.
- 9 Click the Print button, and printing starts with the selected settings.

Note

- The number of options presented on this sheet is determined by the Mode selection.
- When Driver Correction is selected, only the Matching Method is available for selection.

More About Printer Profile Settings

When ICC Correction or ColorSync is selected, a printer profile can be selected from the Printer Profile Settings menu.



Related Topics

[Color Adjustment](#)

[Adjusting Monochrome Printing](#)

Color Adjustment

Normally colors should be adjusted in the software application, but if you see colors in the printout that do not match colors on the screen, you can perform color adjustments with the printer driver.

- 1 [Open the Print dialog box from the software application.](#)
- 2 Display the Main panel.
- 3 Under Color Mode, select Color, and then click the Set button to open the Color Settings dialog box.
- 4 Display the Color Adjustment sheet and click the various colored buttons around adjustment grid to strengthen that color one level. Click any given color within adjustment grid, or drag preview image to desirable position to adjust colors as well.

Note

The coordinates in Adjusted Position show current position of preview image.

- 5 Drag the Brightness slider left or right to increase or decrease the degree of lightness.
- 6 Drag the Contrast slider left or right for weaker or stronger contrast.
- 7 Click the OK button to close the dialog box.



8 Click the Print button, and printing starts with the selected settings.

Note

If you change settings in items on a sheet, the upper Preview image data changes. Original indicates the initial settings while Preview reflects the current settings.

Related Topics

[Color Matching](#)

[Adjusting Monochrome Printing](#)

Adjusting Monochrome Printing

Use the Grayscale setting to print monochrome images of color photographs captured with a scanner or digital camera.

- 1 [Open the Print dialog box from the software application.](#)
- 2 Display the Main panel.
- 3 Under Color Mode, select Monochrome, and then click the Set button to open the Color Settings dialog box.
- 4 Drag the Brightness slider left or right to increase or decrease the degree of lightness.
- 5 Drag the Contrast slider left or right to adjust contrast.
- 6 Click the OK button to close the dialog box.
- 7 Click the Print button, and printing starts with the selected settings.

Note

If you change settings in items on a sheet, the upper Preview image data changes. Original indicates the initial settings while Preview reflects the current settings.

Scanned Film Photograph Gray Processing

A color photograph captured with a scanner can be printed to look like a photograph printed from traditional silver-halide film.

Note

- This feature is available only when Driver Correction or No Correction is selected for Mode on the Matching sheet.
- This feature cannot be used when Monochrome is selected for the Color Mode on the Main panel.

- 1 [Open the Print dialog box from the software application.](#)
- 2 Display the Main panel.
- 3 Under Color Mode, select Color, and then click the Set button to open the Color Settings dialog box.
- 4 On the Matching sheet, for the Mode select Driver Correction or No Correction.
- 5 Click the Color Adjustment sheet, and then click the Scanned Film Photograph Gray Processing check box on.
- 6 Click the OK button to close the dialog box.
- 7 Click the Print button, and printing starts with the selected settings.



Related Topics

[Color Matching](#)

[Color Adjustment](#)

Using Page Setup Features

Enlarging and Reducing a Print Job

You can enlarge or reduce the size of a document created with the software application.

- 1 [Open the Page Setup dialog box from the software application.](#)
- 2 Display the Page Attribute panel.
- 3 Click the Media Size menu and select a size.
- 4 Specify the degree of enlargement/reduction with Scale.

Directly input desired values.

Verify in the application or the print dialog box preview that magnified images to be printed are not larger than the media size.

- 5 Click the OK button to close the dialog box.

Selecting Orientation

The Orientation selection determines how the image is printed on the page.

1 Open the Page Setup dialog box from the software application.

2 Display the Page Attribute panel, and for Orientation, click Portrait [,
Landscape [] or Landscape (rotate) [.

Orientation decides the location of an image on the media when it is printed. With Portrait, the image is located as it is, vertically in the direction the media feed. With Landscape, the image is at 90 degrees to the feed direction, and with Landscape (rotate) is at 180 degrees to the feed direction.

The arrows in the illustrations next page show the direction of feed.

3 Click the OK button to close the dialog box.

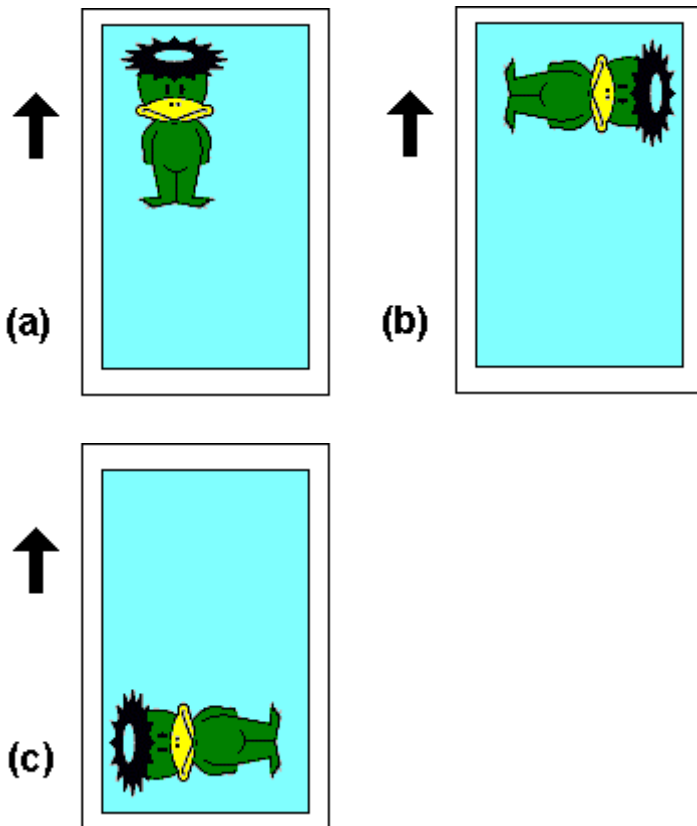


The illustrations in the next page show how the Orientation selections function.

(a) Portrait Short edge of paper as top of the page.

(b) Landscape Long edge of paper as the top of the page.

(c) Landscape(rotate) When you want to rotate the image layout 180 degrees.



Printing in Oversize

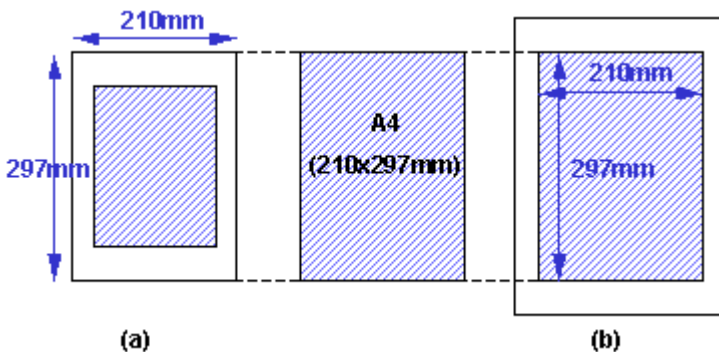
You can set the printer to print text and image to the full in the specified size on the media.

- 1 Open the **Page Setup** dialog box from the software application.
- 2 On the **Page Attribute** panel, select the media size with the notation of Oversize such as ISO A4 – Oversize for Media Size.
- 3 Click the **OK** button to close the dialog box.

For example, when the printing image is A4 size (210mmx297mm/8.3inx11.7in), the printing results of normal printing and Oversize printing are as follows.

(a) Normal printing prints in the maximum area within 210mmx297mm (8.3inx11.7in) within the margins required by the printer.

(b) Oversize printing prints in a printing area of 210mmx297mm (8.3inx11.7in) with the required margins added in addition to the print area.



Note

- When you print in Oversize printing, the media size that is the sum of the print area and the required margins must be set in the printer.
- For details about required margins, refer to the User's Guide.

Important Print Features

Mirror Printing

Allows you to mirror or flip the document or image horizontally.

- 1 [Open the Print dialog box from the software application.](#)
- 2 Display the Finishing panel and then click the Mirror check box on.
- 3 Click the Print button, and printing starts with the selected settings.

Note

The graphic in the Preview area shows the image reversed horizontally to reflect the mirror selection.

Printing in reverse order (Mac OS X v10.3 only)

With the Reverse Pages Order function on the Paper Handling panel in the Print dialog box, you can print a document in reverse order (...3, 2, 1 ...3, 2, 1).

For details, refer to Mac Help.

To display Mac Help, click the question mark (?) button at the bottom left of the Print dialog box.

Printing multiple pages on a single sheet

If you set the layout, you can save on use of the media by printing multiple pages on a single sheet.

- 1 [Open the Print dialog box from the software application.](#)
- 2 Display the Layout panel, click the Pages per Sheet menu and select the number of pages you want to print on a single sheet.

The printed page layout is displayed.

- 3 Click the Layout Direction button, and select the desired page layout orientation.

A preview of the printed image is displayed.

- 4 If you want to insert borders for each page, click the Page Border menu and select a desired boarder.

A preview of the printed image of boarder is displayed.

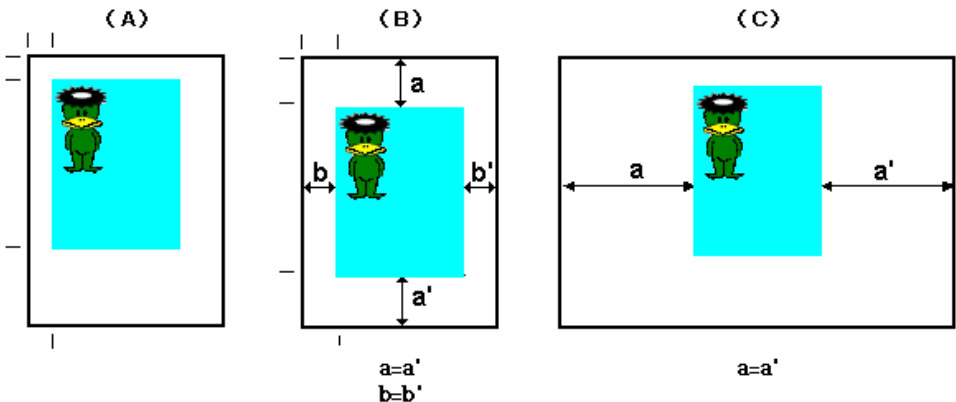
- 5 Click the Print button and printing begins with the selected settings.

Print Centered

Use the Print Centered function to center the printed image on the media loaded in the printer.

This function is convenient for printing on roll paper when you want the left and right margins to be equal.

With Print Centered set off, printing is as shown at (A); with Print Centered set on, printing with cut sheets is as shown at (B) and with roll paper it is as shown at (C).



- 1 Open the Print dialog box from the software application.
- 2 When the Finishing panel opens, click the Print Centered check box on.
- 3 Click the Print button and printing begins with the selected settings.

Displaying a Print Preview Before Printing

Before printing, a print preview lets you confirm the results of your settings.

Note

Displaying a print preview returns all settings within the Print dialog box to the default settings.

- 1 [Open the Print dialog box from the software application.](#)
- 2 Display the Main tab and then click the Preview button.

A print preview is displayed enabling confirmation.

- 3 Click the close button [] on the top of the left, and the print preview display is closed.

Note

When you start printing, select Print from the application File menu.

Features Available for Printing on Roll Paper

The following features are available for printing on roll paper: Automatic Cutting, Banner Printing, and Conserve Paper.

Automatic Cutting

You can set the printer to cut roll paper automatically or print a guideline for cutting.

- 1 [Open the Print dialog box from the software application.](#)
- 2 On the Main panel, click Media Type menu and select the [media](#) to use.
- 3 Click Media Source and select Roll Paper, then click the Set button and open the Roll Paper Options dialog box. If you select Roll Paper, you can use the Set button.
- 4 Click Automatic Cutting and select a setting.

Yes

Each page is automatically cut after it is printed.

No

Each page is not cut after it is printed and printing continues without interruption.



Print Cut Guideline

A print cut guideline is printed after each page and printing continues without interruption.

- 5 Click the OK button to close the dialog box.

Conserve Paper

You can set the printer to save paper for a print job by selecting Do not Print Spaces at the Top or Bottom or Rotate Portrait Page.

- 1 [Open the Print dialog box from the software application.](#)
- 2 On the Main panel, click Media Type menu and select the [media](#) to use.
- 3 Click Media Source and select Roll Paper, then click the Set button and open the Roll Paper Options dialog box. If you select Roll Paper, you can use the Set button.
- 4 In Conserve Paper, click the Do Not Print Spaces at the Top or Bottom or the Rotate Portrait Page check box on.



Do Not Print Spaces at the Top or Bottom

You can set the printer not to feed roll paper for the empty spaces in order to save paper when printing a job that contains spaces at the top or bottom.

Rotate Portrait Page

When a portrait page is selected for Media Size in the Page Attribute panel, you can set the printer to print images rotated 90 degrees. You can save paper as the images are printed lengthways (landscape page) on the roll paper.

Note

- When Banner Printing is selected, Rotate Portrait Page cannot be selected.
- When lengthways (landscape page) is selected for Media Size in the Page Attribute panel, Rotate Portrait Page cannot be selected.

Even when portrait page is selected, if the length of the height is longer than the width of the roll paper set in the printer, Rotate Portrait Page cannot be selected, either.

- 5 Click the OK button to close the dialog box.



Banner Printing

You can set the printer to print several pages and ignore margins between pages so the image is printed continuously as one page.

Note

Please pay attention to the following when using this function.

- Set the number of copies to 1 copy or click the Collate check box on the Copies and page panel when you set to multiple copies. Otherwise the pages are printed out in succession for each specified copy (for example, pages 1, 1, 1 ..., pages 2, 2, 2 ... and so forth).
- 1 [Open the Print dialog box from the software application.](#)
 - 2 On the Main panel, click Media Type menu and select the [media](#) to use.
 - 3 Click Media Source and select Roll Paper, then click the Set button and open the Roll Paper Options dialog box. If you select Roll Paper, you can use the Set button.
 - 4 Click the Banner Printing check box on.
 - 5 Click the OK button to close the dialog box.

Setting a time to start printing (Mac OS X v10.3 only)

On the Scheduler panel in the Print dialog box, you can set a time for a document to start printing and its priority.

For details, refer to Mac Help.

To display Mac Help, click the question mark (?) button on the lower left of the Print dialog box.

Printing Odd/Even numbered pages (Mac OS X v10.3 only)

In multiple-page printing, you can select odd or even numbered pages to print.

You can make a selection from the Paper Handling panel in the Print Dialog box.

For details, refer to Mac Help.

To display Mac Help, click the question mark (?) button on the lower left of the Print dialog box.

Note

When two or more copies of odd pages documents are printed with this function on both sides of the sheets continuously, the first page of the next copy is printed on the other side of the last odd numbered page that should remain in blank.

You can print both sides of the sheets following the procedure, printing the odd numbered pages, turning the sheets over, and then printing the even numbered pages on the other side. Particularly, when the original document contains an odd number of pages, make sure to print one copy each to avoid above failure.

Performing ColorSync color matching (Mac OS X v10.3 only)

Perform color matching with the ColorSync feature on Mac OS.

Use the ColorSync panel in the Print dialog box for setting.

For details, refer to Mac Help.

To display Mac Help, click the question mark (?) button on the lower left of the Print dialog box.

Having a Problem

Troubleshooting

If you have a problem, click the topic below that best describes the problem, and then follow the instructions to solve the problem. For more details, refer to the guides provided with the printer.

[The printer name of the Printer Setup Utility output destination is not displayed](#)

[Not enough memory is displayed](#)

[Print Job Does Not Start](#)

[Printout Abnormal](#)

[Printout is Not Sharp](#)

[Paper or Media Misfeeds](#)

[Print Job Requires Too Much Time](#)

[Communication Time-Out Occurs](#)

The printer name of the Printer Setup Utility output destination is not displayed

- Open Printer Setup Utility, and click the Add icon, then select the printer.
- Connect the printer to the Macintosh computer correctly.
- Switch power to the printer on.
- Press the printer's Online key so that the online lamp lights.
- Reinstall the printer driver.

Not enough memory is displayed

- Check available space on your hard disk.
- When simultaneously using multiple software applications, close other software applications.
- Increase software application memory size by performing the following steps.

Print Job Does Not Start

An error message is displayed

Check the operation panel for an error message. Read the error message and then refer to error message table of the User's Guide.

Check the printer and computer connections

Make sure that the computer and network connections to the printer are secure.

Printer driver not operating correctly

A print job does not execute if the printer driver is not operating correctly. Uninstall the printer driver and then reinstall it.

Print job processing requires a very long time

- A large file such as a color photograph, requires more time for processing. Please allow more time for printing such files.
- Printing a document that contains several illustrations or color photographs of large file size may require more time for processing due to insufficient memory. Before printing such large files, close all other software applications to ensure adequate memory space for print job processing.

Printout Abnormal

Layout of printed document is not correct

If the position specified on the paper for the document or image is incorrect, or if part of the printout is missing, check the following items.

- Make sure printing is done in the printing area.

Some software applications allow printing text and graphics outside the margins. However, printing cannot be done outside the printing area allowed by the printer driver.

- On the Page Attribute panel in the Page Setup dialog box, make sure that the size of the media loaded in the supply source is the same as the Media Size selection.

If the size of the media does not match the Media Size selection, the print job cannot execute normally.

→ [Selecting the Media](#)

→ [Selecting the Media Size](#)



- On the Page Attribute panel in the Page Setup dialog box, check the Scaling box to see if it is set.

If the Scale box is set, the desired rate of enlargement or reduction can be selected. Check the Scaling rate and size of the media.

→ [Enlarging and Reducing a Print Job](#)

Color does not print

- Check the Main panel in the print dialog box and make sure that Monochrome is not selected for the Color Mode.

When Monochrome is selected for the Color Mode, even color images print in monochrome.

→ [Color Adjustment](#)

→ [Adjusting Monochrome Printing](#)

- If the software application allows selection of color or monochrome printing, check this selection and make sure that Monochrome is not selected.

Printout is Not Sharp

Adjust the Print Quality setting

On the Main panel, select High for the Print Quality option to make printed text sharper, or to improve the clarity of printed graphics or photographs.

→ [Selecting Print Quality](#)

Graphics, photograph printouts are not sharp

- If you are not satisfied with the quality of printed color graphics or photographs, use Glossy Paper or Glossy Film, etc. Make sure the Media Type is set correctly for the media you choose.
- Select Color Mode on the Main panel in the print dialog box, press the Set button, and select Perceptual in Matching Method on the Matching sheet.

Printout is faint

The nozzles of the printhead may be clogged. Use the operation panel to clean the nozzles.



Color Uneven in Printed Image

Occasionally uneven colors may occur during a complicated print job when the printhead stops but printing continues to execute. In such a case, you can prevent this by selecting Send All Print Data as Batch to Printer which will send the print job to the printer only after all the print data has been created.

Leading Edge of Printed Image is too dark

If you see differences in the density in some areas of the printed image, especially at the leading edge, perform the following setting.

- On the Device Setting panel of the print dialog box, click the SSC Adjustment check box on. If selecting Level1 and printing does not solve the problem, select Level2. Changing this setting could affect the hues of the colors in the entire image, so be sure to pay attention to any changes in the image color as you adjust this setting.

Paper or Media Misfeeds

Make sure the supply source is loaded

If the cassette is empty, load it with paper.

Check the printer for a jam

When a paper jam occurs, the paper jam message is displayed on the operation panel of the printer. For details about how to remove a paper jam, see the User's Guide.

Check the Roll Paper

Paper does not feed, or may misfeed, if the roll paper is not set correctly.

Make sure that the correct printer is selected

Select this printer from the Printer menu in the print dialog box.

Print Job Requires Too Much Time

The time required to execute a print job depends on the content of the print job, the printer driver and the software application used.

If the print job requires too much time to complete, adjust the following settings.

Changing the Print Quality setting

On the Main panel in the print dialog box, select Draft for the Print Quality.

→ [Selecting Print Quality](#)

Communication Time-Out Occurs

Occasionally if data for the print job is not sent to the printer for a short time, the printer will issue a communication time-out error.

In such a case, you can prevent this by selecting "Send All Print Data as Batch to Printer" which will send the print job to the printer only after all the print data has been created.

Appendices

Printer Driver and Utilities

Here are brief descriptions of the printer driver and the utility programs provided with the printer driver.

GARO Printer Driver

The software required when using a software application to print a file. The GARO printer driver is developed by Canon for its latest high-quality office printers, wide format printers, and graphic color printers.

The term "GARO", used in the name of this printer driver, is an acronym for "Graphic Arts Language with Raster Operations", a printer language of creating raster images.

GARO Printmonitor

Utility for displaying printer status information from the computer, and for stopping and canceling print jobs.

Printer Setup Utility

This is an OS utility software that displays the status of a print job by host during printing, and quits or cancels a print job by host.

You can also add a printer to the Printer List.

Managing Print Jobs

Use the Printer Setup Utility and Printmonitor to manage print jobs.

Managing print jobs

Printer Setup Utility displays the status of a print job from a computer during printing.

- Open Printer Setup Utility, click on this printer, and click Cue display in the Printers menu.

Managing the Printer

The Printmonitor features a Status Monitor function to provide printer status and error indications.

- Open the Printmonitor from the hard disk.

Open folders Library, Printers, Canon, GARO, and Utilities in that order, and then



double click GARO Printmonitor icon []. Or, under Printer List of Print Center, click on this printer, and click Setting Printer.

You can also open the Printer List in Printer Setup Utility, click the name of this printer, and then click Configure Printer in the Printers menu.

Maintaining the Printer

There are no special procedures in the printer driver for maintaining this printer.

Printhead cleaning and other maintenance procedures are performed with the printer operation panel.

Installing the Printer Driver

The printer driver is installed with the User Software CD-ROM provided with the printer.

- 1 Mount the User Software CD-ROM in the computer.
- 2 Execute the installer.
- 3 Follow the messages on screen to complete the installation.

Note

For more details, please refer to the “Install” file provided on the User Software CD-ROM.

Uninstalling the Printer Driver

To uninstall the printer driver, execute the installer in the User Software CD-ROM.

If the installer has been executed, click the upper left menu and select Uninstall, and click the Uninstall button.

Note

For more details, please refer to the “Install” file provided on the User Software CD-ROM.

Opening the Print Dialog Box from the software application

- 1 Click the software application File menu and select Print.

The print dialog box opens.

- 2 Click Copies & Pages, Main or another desired setting menu to display a panel, and perform settings as required.

Related Topic

[Print Dialog Box Organization](#)

Opening the Page Setup Dialog Box

- 1 Click the software application File menu and select Page Setup.
- 2 Click the Page Attribute panel and perform the required settings.

Related Topic

[Page Setup Dialog Box Organization](#)

Preset

Custom in the Preset Menu refers to printer driver settings that are stored to repeated use at a later date.

ICC

An abbreviation for International Color Consortium. ICC color profiles are now used in laser printers, scanners, and bubble-jet printers. Until now color profiles were the concern of only printing service bureaus responsible for managing color, but with the introduction of ICC profiles to desktop publishing, now anyone can become involved with color management. Color profiles allow the printer to communicate its color profiles so you can coordinate from scanning through graphic imaging, proofing, and final printing.

ColorSync

ColorSync was developed to enable matching of on screen colors and printed colors. Before selecting ColorSync with the printer driver, confirm with the software application that the ColorSync color profile has been selected or not.

Color Matching

Ensures the accurate reproduction of color between devices. The **Color Gamut**, or range of colors, that a monitor, printer, or scanner can reproduce may not be the same. The color matching function attempts to ensure that the colors you see on the screen are the same as the colors captured with a scanner or digital camera, or printed on a printer. Color Matching uses color profiles in order to standardize color reproduction.

Color Gamut

The range of colors that a device can detect or reproduce. A monitor has a wider color gamut than a printer, so a monitor can display a greater number of colors. Color profiles map the color gamut specific to a device into the color gamut of a different device, for instance monitor color gamut to printer color gamut.

Color Profile

A description of how a device handles color and accounts for the differences among Color Gamuts among devices. Accurate color profiles of a scanner, monitor, and printer make it possible for colors to be corrected so the colors you see on screen match the colors you see in the printed output.

CMM

CMM stands for Color Matching Module. It is a color changing system that refers to profiles with described characteristics, receives color data, and matches color to other colors accordingly.

ColorGear Lite is used for CMM with this printer for ICC Correction and the ColorSync mode.

Contents Help

Page Setup Dialog Box

[Page Attribute](#) panel

[List](#) panel

[Custom Paper Size](#) panel (Mac OS X v10.2 or later)

Page Attribute panel

Format for

Media Size

Orientation

Scale

Page Setup Dialog Box

Page Attribute panel

Format for

Select the type of printer used for printing.

Media Size

This is the size of the page specified in the software application.

Orientation

Select one of the following settings for the orientation of the printed image:



(Portrait) Prints with the short edge of the paper as the top of the page.



(Landscape) Prints with the long edge of the paper as the top of the page.



(Landscape (Rotate)) When you want to rotate the image layout 180 degree.

Page Attribute panel

Scale

Select the percentage of enlargement or reduction.

List panel

List

The Page Setup dialog box settings are displayed.

Custom Paper Size panel (Mac OS X v10.2 or later)

Custom Paper Size

This dialog box allows you to create media sizes or delete them as needed.

You can print with custom paper sizes only with an operating system later than Mac OS X v10.2.3.

Custom Paper Size panel

Print Dialog Box

[Printer](#)

[Preset](#)

[Print](#) button

[Cancel](#) button

[Preview](#) button

[Save As PDF...](#) button

(Mac OS X v10.2 or later)

[Copies & Pages](#) panel

[Layout](#) panel

[Output Option](#) panel

[Main](#) panel

[Finishing](#) panel

[Device Settings](#) panel

[Data Send Method](#) panel

[List](#) panel

[Scheduler](#) panel

(Mac OS X v10.3 only)

[Paper Handling](#) panell

(Mac OS X v10.3 only)

[ColorSync](#) panel

(Mac OS X v10.3 only)

[Save Custom Setting](#)

(Mac OS X v10.1only)

Print Dialog Box

Print Dialog Box

Printer

The name of the printer currently connected is displayed.

When multiple printers have been added, click the menu and select a desired printer.

Preset

Stores print dialog box settings, enabling the same settings to be used repeatedly at a later date.

Mac OS X v10.1

Select and click Save Custom Setting in the menu, and the current settings are stored as Custom settings. Previously stored settings are deleted. If you click Standard, the printer driver returns to its initial settings.

Mac OS X v10.2 or later

From the Preset pop-up menu, you can select Save As..., then specify a name of your choice under which to store the settings. If you select Save from the Preset pop-up menu, then the current settings are saved under the currently selected name.



Note

- The Standard item for Preset cannot be changed.
- The Pages settings on the Copies and Pages panel are not stored.

Print Dialog Box

Print

Starts printing with settings selected on each panel.

Cancel

Closes the print dialog box without executing printing, and returns settings for each panel to those previously selected.

Preview

Click this button, and a print image is displayed reflecting the current print driver's settings.

Save As PDF...(Mac OS X v10.2 or later)

Clicking this button stores to a PDF file the print data that reflects the current printer driver settings.

Print Dialog Box

Copies & Pages panel

Copies

Collated

Pages

Print Dialog Box

Copies & Pages panel

Copies

To specify the number of copies, either directly input the number or click the arrow. When printing multiple copies, the copies for each page are normally printed together as sets of pages with the same number (1, 1, 1 ... 2, 2, 2 ... etc.).

Collated

If the Collate option is checked on, pages are printed as document sets from the first to the last page (1, 2, 3 ... 1, 2, 3 ...).

Pages

Click All Pages on Mac OS X v10.1 or All on Mac OS X v10.2 or later, and all the pages are printed. To specify the printing of particular pages, either directly input page numbers or click the arrow.

Layout panel

Pages per Sheet

Layout Direction

Page Borders

Print Dialog Box

Layout panel

Pages per Sheet

Set the number of pages printed on a single sheet of media. If you set for multiple pages, the pages are reduced in size so that they will fit on a single sheet of media when printed.

Layout Direction

You can select how a page is printed, and confirm the results of settings with a preview image.



Printing is horizontal, from the upper left.



Printing is horizontal, from the upper right.



Printing is towards the bottom, from the upper left.



Printing is towards the bottom, from the upper right.

Layout panel

Page Borders

You can select borders for laid out pages.

Layout panel

Output Option panel

Store as a file

Format

Print Dialog Box

Output Option panel

Store as a file

Store printing data as a file.

Format

Open this menu, and select a file type.

PDF

Save printing data as a PDF file.

PostScript

Save printing data as a PostScript file. It is available as PostScript printer is selected.

Note

PostScript cannot be selected with this printer.

Output Option panel

Main panel

Media Type

Media Source

Set button

- Automatic Cutting
- Conserve Paper
- Banner Printing

Print Quality

- Print Quality (Custom Settings)
- Resolution
- Halftoning

Color Mode

Set button

About button

Printer Information button

■ Ink Levels

■ Feed Information

Matching sheet

- Mode
- Input Profile Settings
- Matching Method
- Printer Profile Settings

Color Adjustment sheet

- Preview/ Original
- Color Balance
- Adjusted Position
- Brightness
- Contrast
- Scanned Film Photograph Gray Processing

Print Dialog Box

Main panel

Media Type

From this menu select the media that you intend to use for printing. The Media Type selection should always match the type of media loaded in the paper supply source selected for printing. After you select the Media Type, other settings (Print Quality, Resolution, etc.) are changed automatically to set up the optimum conditions for the print job.

Media Source

Click this menu and select the feed source. Make sure that the Media Source selection contains the media selected above for the Media Type. As soon as you select a source, the Preview changes to reflect the selection.

Set

After selecting Media Source in Roll Paper, if you click this button the Roll Paper Options dialog box opens.

Main panel

Automatic Cutting

You can set the printer to cut roll paper automatically or print a guideline for cutting.

Yes

Each page is automatically cut after it is printed.

No

Each page is not cut after it is printed and printing continues without interruption.

Print Cut Guideline

A print cut guideline is printed after each page and printing continues without interruption.

Conserve Paper

You can set the printer to save paper for a print job by selecting Do Not Print Spaces at the Top or Bottom or Rotate Portrait Page.

Do Not Print Spaces at the Top or Bottom

When this check box is clicked on, you can set the printer not to feed roll paper for the empty spaces in order to save paper when printing a job that contains spaces at the top or bottom.

Rotate Portrait Page

When this check box is clicked on and a portrait page is selected for Media Size on the Page Attribute panel, you can set the printer to print images rotated 90 degrees. You can save paper as the images are printed lengthways (landscape page) on the roll paper.

Banner Printing

You can set the printer to print several pages and ignore margins between pages so the image is printed continuously as one page.

Note

Please pay attention to the following when using this function.

- Set the number of copies to 1. If set to multiple copies, check on Collated in the Copies & Pages panel. Otherwise the pages are printed out in succession for each specified copy (for example, pages 1, 1, 1 ..., pages 2, 2, 2 ... and so forth).

Main panel

Print Quality

Click one of the menus to select the level of quality for the print job.

High

Gives priority to quality over speed.

Standard

Balances quality with printing speed.

Draft

Gives priority to speed and reduces ink consumption. Ideal for checking layouts.

Custom

Allows you to select print quality and Resolution. Select the Custom to open the Custom Settings dialog box.

Note

The number of available settings differ, depending on the Media Type selection.

Main panel

Print Quality (Custom Settings)

Click this menu and select a setting to balance print quality and printing speed.

Draft

Gives priority to printing speed (ideal for checking layout).

Standard

Averages printing speed with a stable image.

High

Gives priority to high quality.

Highest

Gives top priority to the highest quality over speed.

Note

The number of available settings differ, depending on the Media Type selection.

Resolution

Click this menu and select a setting to balance resolution and printing speed.

Draft

Higher speed, but lower resolution. Ideal for checking layout.

Quick

Lower resolution, but faster printing.

Fine

Higher resolution, but slower printing.

Note

- The number of available settings differ, depending on the Media Type selection.
- The Super Fine selection is not available for this printer.

Main panel

Halftoning

Click this menu box and select a setting for halftoning.

Error Diffusion

Arranges pixels randomly. Suitable for photographs and graphics where color gradations is required.

Note

This printer can only be set to Error Diffusion.

Color Mode

Click Color or Monochrome.

Color

Enables color printing.

Monochrome

Disables color printing and converts image with continuous color to monochrome.

Main panel

Set

After selecting Color or Monochrome and clicking the Set button, the Color Settings dialog box opens. Use the options on the Color Matching, Color, and Photo sheets to select special settings for printing photographs in color or monochrome.

About

Display the name of the printer and the Version Number of the printer driver.

Printer Information

Click this button to open the Printer Information dialog box. This dialog box displays the current status of the Ink Levels and Feed Information.

Main panel

Ink Levels

Icons are used to indicate the current ink level.

: Ink low.

: Ink out.

: Unknown (cannot acquire status from printer).

Feed Information

Displays the name of the paper supply source and the size of the media that is currently loaded there.

Main panel

Mode

Click this menu and select a color matching Mode.

Driver Correction

Independent driver color matching is performed.

ICC Correction

With ColorGear Lite, use input/output profiles.

ColorSync

Execute color matching using **CMM** from Mac OS. However, the input profile will be the selected one from the OS.

No Correction

No color matching is performed.

Note

The options and settings presented for color matching depend on the Mode selection.

Main panel

Input Profile Settings

Click this menu and select the emphasis to apply in the color profile.

Note

- This feature is available only after ICC Correction has been selected for the Mode.
- If ColorSync is selected for Mode, Input Profile will be the profile selected by the OS.

Main panel

Matching Method

Click this menu on and select the emphasis to apply in the color profile. The number of options provided in the menu is determined by the Mode selection.

Perceptual

Gives priority to color hue in matching.

Saturation

Gives priority to vividness in matching.

Colorimetric

Within the printer's range of color reproduction, reduce measurable color differences.

Absolute Colorimetric

Matching functions the same as Colorimetric option but without white correction. This item is not available for selection when Driver Correction is selected for Mode.

Main panel

Printer Profile Settings

Click this menu and select the emphasis to apply in the color profile.

Note

This feature is available only after ICC Correction or ColorSync has been selected for the Mode on the Matching sheet.

Preview/ Original

Preview

Reflects the changes made to settings.

Original

Displays the original image colors as they were before color correction.

Main panel

Color Balance

Click the various colored buttons around adjustment grid to strengthen that color one level. Click any given color within the adjustment grid, or drag preview image to the desirable position to adjust colors as well. Color is generally adjusted from within the software application, so use this printer driver Color Balance feature only for fine adjustments.

Note

- This feature is not available if Monochrome is selected for Color Mode on the Main panel.
 - This function is enabled only when Driver Correction, ICC Correction or No Correction is selected for Mode on the Matching tab of the Color Settings dialog box.
-

Adjusted Position

The Preview image in the Adjustment Grid moves as the image is adjusted. X-axis (horizontal) and Y-axis (vertical) in the Adjusted Position indicate the position of the preview image. When the preview image is in the middle of the Adjustment Grid, the coordinates are X: 0 and Y: 0.

Main panel

Brightness

Drag the slider to adjust the brightness of printing results. Adjustment ensures that no parts of the brightest and darkest portions of the image are lost in the printout. When the results of the printout is brighter than the original images such as the original photo before scanning and graphics created on the display, or when you want to print in different degree of brightness, use this feature. Check the adjusted image in the Preview area.

Note

This function is enabled only when Driver Correction, ICC Correction or No Correction is selected for Mode on the Matching sheet of the Color Settings dialog box.

Contrast

Drag the slider left or right to darken or lighten the image. Contrast adjusts the relative brightness between the lightest light and darkest dark portions of the image.

Watch the Preview graphic (top) in the Preview area change as you adjust the settings.

Note

This function is enabled only when Driver Correction, ICC Correction or No Correction is selected for Mode on the Matching tab of the Color Settings dialog box.

Main panel

Scanned Film Photograph Gray Processing

Click this check box on to process a color image with continuous tones to emulate the gray tones of a black and white print.

Note

- This feature is not available if Monochrome is selected for Color Mode on the Main panel.
- This function is enabled only when Driver Correction or No Correction is selected for Mode on the Matching sheet of the Color Settings dialog box.

Main panel

Finishing panel

Mirror

Print Centered

Print Dialog Box

Finishing panel

Mirror

Click the Mirror check box on to reverse the image and print it just as it would appear in a mirror.

Print Centered

With this check box clicked on, the image is printed in the center of the media loaded in the printer. This function is convenient when you want to print on roll paper with the left and right margins exactly equal.

Finishing panel

Device Settings panel

Drying Time

SSC Adjustment

Print Dialog Box

Device Settings panel

Drying Time

Click this button to open the Drying Time dialog box. This dialog box provides a setting that lets you to lengthen the time between page output to allow more time for ink to dry. If the amount of time between page output is insufficient, select a longer time to wait before the next sheet is ejected.

Auto

The printer sets the time automatically, depending on the density of the printed image.

None

No wait time for drying.

1 - 240 min.

The sheet is ejected only after the specified time after printing has elapsed.

SSC Adjustment

Use this function when the edges of a printed image are faint.

Device Settings panel

Data Send Method panel

Data Send Method

Set the Data Send Method. Select Send Print Data Immediately to Printer or Send All Print Data as Batch to Printer.

Note

Occasionally uneven colors may occur during a complicated print job when the printhead stops but printing continues to execute, or the printer issues a communication time-out error if data for the print job is not sent to the printer for a short time.

In such a case, you can prevent this by selecting "Send All Print Data as Batch to Printer" which will send the print job to the printer only after all the print data has been created.

List panel

List

Displays Print dialog box settings.

List panel

Scheduler panel (Mac OS X v10.3 only)

Scheduler

Allows you to set the time to start printing and its priority.

For details, refer to Mac Help.

To display Mac Help, click the question mark (?) button on the lower left of the Print dialog box.

Paper Handling panel (Mac OS X v10.3 only)

Paper Handling

Allows you to select the page to be printed and set for printing in reverse order from the last page.

For details, refer to Mac Help.

To display Mac Help, click the question mark (?) button on the lower left of the Print dialog box.

ColorSync panel (Mac OS X v10.3 only)

ColorSync

Set the color matching with the ColorSync feature on Mac OS.

For details, refer to Mac Help.

To display Mac Help, click the question mark (?) button on the lower left of the Print dialog box.

Save Custom Setting (Mac OS X v10.1 only)

Current settings selected in the print dialog box are stored. You can use these setting repeatedly for printing at a later date. Only one group of settings can be stored. If you store new settings, the previously stored settings are overwritten.

Print Dialog Box

Printmonitor

[Printer Status Display](#)

[Printer Status Graphic Display](#)

[Message Details Display](#)

[PrintJob](#) sheet

[Monitor Status Display](#)

[GARO Printmonitor Menu](#)

[File Menu](#)

[Printer Menu](#)

Printmonitor

Printer Status Display

Displays messages outlining printer status.

Printer Status Graphic Display

Graphically displays printer errors and standby status.

Message Details Display

Displays detailed messages of printer status.

PrintJob sheet

Displays at a glance indications of printing in progress.

You can use buttons to interrupt a print job.



Pause button

This does not function with this printer.



Resume button

This does not function with this printer.



Stop button

Click this button during printing or during print standby, and the print job is canceled.

Monitor Status Display

Displays Printmonitor processing indications.

GARO Printmonitor Menu

Quit GARO Printmonitor

Quits the Printmonitor.

File Menu

Open

Open Printmonitor.

Close

Close Printmonitor.

Preference

Opens the Preference dialog box. You can set the interval of time for printer monitoring here.

If the printer is connected to a network, the Printmonitor does not reflect the specified time interval because the event was done on the printer.

Printer Menu

Printer List

Displays the names of printers that can be monitored.

Search Printer

Searches for printers that can be monitored on a network, and adds printers found to the printer list.

Get Printer Information

Displays printer data during monitoring.

Make Default

Sets the currently monitored printer as the selected monitored printer thenext time Printmonitor is executed.

Printer Setup Utility

[Printers](#) menu

Printers menu

Printer List

Displays available printer names.

Add Printer...

If the printer you want to use is not listed in the Printer List, select this menu.

From the menu of the connection, select the connection method (either AppleTalk, USB, or FireWire (GARO)) of the printer you want to add, select the printer name from the list, and then click the Add button.

Delete Selected Printers

Deletes the selected printer from the Printer list.

Configure Printer

Activates Printmonitor.



Show Jobs

Displays the status of the selected printer.

You can execute the operations such as pausing and resuming the print job.