

Setup tab

Use the **Setup** tab to configure your print job. For example, you can set the number of copies to print or the orientation of the printed pages for the print job.

For more information, select from the following options:

Reusable Settings options

Reusable Settings

Save/Delete/Rename

Finishing options

Pages Per Sheet

Print Page Borders

Booklet Printing

2-Sided Printing options

Print on Both Sides

Side-by-Side

Copy options

Copies

Proof and Print

Orientation options

Portrait

Landscape

Rotated

Watermark options

Watermarks

Edit...

First Page Only



Edit Watermarks Dialog Box

When you click **Edit...** from the **Paper** tab, the **Edit Watermarks Dialog Box** is displayed. You can edit, add, and delete watermarks from this dialog box.

For more information, select from the following options:



Select a watermark



Edit...



Add...



Delete



HEWLETT
PACKARD



Edit Watermark Dialog Box

When you click **Add...** or **Edit...** from the **Edit Watermarks** dialog box, the **Edit Watermark** dialog box is displayed. You can edit existing watermarks or create new watermarks in the Edit Watermark dialog box.

For more information, select from the following options:

Edit Watermark options



Text



Font



Size



Style



Color



Saturation



Intensity



Rotation



Paper tab

Options on the **Paper** tab control how the printer selects media. You can configure the printer for the type of media (for example, letterhead or transparency), the size of media (for example, Letter, Legal, or A4), or the source (for example, Tray 1 or Tray 2).

For more information, select from the following options:

Reusable Settings options



Reusable Settings



Save/Delete/Rename

Paper options



Use different paper for first page



Size is



Custom...



Select Paper



Use Different Paper for First Page

Select **Use Different Paper for First Page** to print the first page of a printed document on different media than the rest of the document. For example, you can print the first page of a document on company letterhead and the rest of the document on plain paper.

When you select this option, two tabs appear: **First Page** and **Other Pages**. The two tabs allow you to select the media type or media source for the printed document.

For more information, select from the following options:



First Page tab



Other Pages tab



How Do I ...

Print the first page on different media?

Note:

■ Even though the first page prints on different media, it must be the same size media as the rest of the document.



Select Paper

The **Select Paper** list controls what media type or media source (input tray) is used for the print job.

For information about selecting media by type or by source, click the button next to the appropriate topic:



Media Types



Media Sources



How Do I ...

Select media by type?



How Do I ...

Select media by source?



How Do I ...

Check settings for media type, source, and size?



Media Types

Media can be selected for a print job without specifying where the particular media type is loaded in the printer source (input trays). For example, if you want your print job to print on company letterhead, but you do not know what source (input tray) the letterhead is loaded, the paper type can be selected so that the printer will pull the correct media type from the correct source (input tray).



How Do I ...

Select media by type?

Note:

- The printer control panel must be used to configure the type of media in the printer. See the Online User Guide for instructions on configuring media types.



Media Sources

Media can be selected for a print job by specifying where the particular media type is loaded in the printer source (input tray). For example, if you want to print on company letterhead, and the letterhead is loaded in Tray 2, you can select Tray 2 for the print job.

If you do not know where a particular media type is loaded in the printer, you can select **AutoSelect** so that the printer will automatically select the correct source for the media size shown in the **Size is** list.



How Do I ...

Select media by source?

Notes:

- Custom media, labels, card stock, and heavy media can only be selected from input tray 1
- Transparencies can be loaded in any input tray except Tray 4



Enter Custom Paper Size Dialog Box

From the **Enter Custom Paper Size** dialog box, you can enter the width and length of the custom media in either inches or millimeters.

For more information, select from the following options:

Custom Size Media options

Width

Length

Units options

Inches

Millimeters

Destination tab

The **Destination** tab is used to select the output bin where the finished print job can be picked up. The default destination is the **Top Output Bin**.

For more information, select from the following options:

Reusable Settings options



Reusable Settings



Save/Delete/Rename

Destination options



Top Output Bin



Left Output Bin



Mailbox



Edit Mailbox Names...



Mailbox

Printed documents exit to the multi-bin mailbox slots, printed side down. When you select **Mailbox**, you can edit mailbox names or configure how documents are delivered to the mailboxes.

There are three mailbox modes available:



Job Separator Mode



Stacker Mode



Mailbox Mode



How Do I ...

Use the Multi-Bin Mailbox?



How Do I ...

Configure the Multi-Bin Mailbox?

Notes:

- To use **Mailbox Mode**, an optional multi-bin mailbox must be installed with the printer.
- A high capacity input (Tray 4) must be installed with the printer before a multi-bin mailbox can be installed.
- The multi-bin mailbox is not designed to support the following media types: transparencies, heavy media, labels, and envelopes.
- If [bidirectional communication](#) is active, the printer driver will send a query to the printer and display the mailbox mode selected for the printer. If bidirectional communication is not active, you will need to [print a configuration page](#) to determine the mailbox mode selected for the printer.



Fonts tab

Options on the **Fonts** tab control how the printer handles fonts between your computer and the printer.

For more information, select from the following options:

Reusable Settings options



Reusable Settings



Save/Delete/Rename

Font options



Graphics/Font Options...



Printer Hard Disk



HP FontSmart



Download Fonts...



Graphic/Font Options Dialog Box

From the Graphic/Font Options dialog box, you can adjust graphic and font settings.

For more information, select from the following options:

Graphic mode settings options

Automatic

HP-GL/2 Graphics

Raster Graphics

Raster Graphics and Text

Font settings options

Use Internal Fonts

Download Soft Fonts

Fonts Dialog Box

From the **Fonts** dialog box, you can install, uninstall, and delete fonts from the optional printer hard disk. The printer hard disk can be used to permanently store TrueType fonts in the printer. Unlike fonts downloaded to standard memory, fonts downloaded to the printer hard disk remain in the printer even after the printer is turned off. Downloading fonts to the printer may improve printer performance and reduce network traffic for print jobs that use fonts that have been downloaded.

For more information, select from the following options:

Fonts dialog box options



Available Fonts (On Your System)



Download



Remove



Fonts Installed On Printer



Info...



Font Sample

Note:

■ You cannot download or remove fonts if **bidirectional communication** is not established between your computer and the printer. Only the fonts available on your computer will be used if bidirectional communication is not established.



Color tab

Options on the **Color** tab control how colors are interpreted and printed from your applications.

For more information, select from the following options:

Reusable Settings options

Reusable Settings

Save/Delete/Rename

Color Treatment options

ColorSmart

Manual

ICC/CMS

Black and White

Text, Graphics, and Photographic options

Color Mode

Halftone Mode

Other options

Manually Print on 2nd Side

Installed Options tab

Use the **Installed Options** tab to add, remove, and configure accessories on the printer so that you can use the features of the software and the printer.

For example, to print on both sides, first use the **Installed Options** tab to add the optional duplex unit. Then select **Print on Both Sides** from the **Setup** tab.

For more information, select from the following options:

Available options



Available Options



Add



Remove



Available Memory

Installed Options



Installed Options



Configure...

Note:



The **Installed Options** tab will not appear if [bidirectional communication](#) is established between your computer and the printer. If a new accessory is installed on the printer, bidirectional communication will recognize the accessory, and you will be able to print using the accessory.



About tab

The **About** tab displays information about the PCL printer driver, including copyright and version number.



Configure Dialog Box

From this dialog box, you can select the mailbox mode and edit the names of the mailbox slots.

For more information, select from the following options:



Job Separator Mode



Stacker Mode



Mailbox Mode



Edit Mailbox Names



Change Output Bin Labels Dialog Box

From the **Change Output Bin Labels** dialog box, you can rename the mailbox slots for the optional multi-bin mailbox.

For more information, select from the following options:

Mailbox Name options



Change Mailbox Name



HP PCL Help Contents

The printer driver software for the HP Color LaserJet 8500 is organized by tabs to allow you to easily locate features you want to use for your print jobs.

For information about a printer driver tab, select from the following:



Setup tab



Paper tab



Destination tab



Fonts tab



Color tab



Installed Options tab



About tab



Setup Tab Popups

Reusable Settings

Reusable Settings are used to save a group of printer driver properties. If you print a document that requires setting several printer driver properties, the properties can be saved and used to print similar documents.

Examples for creating **Reusable Settings**:

- A company letter with more than one page, where the first page is printed on letterhead and the remaining pages are printed on letter-sized paper
- A month-end report printed in landscape orientation on both sides of the paper, which can be bound at the top so that it reads like a calendar
-

How Do I ...

Use, create, modify, and delete Reusable Settings?

Save/Delete/Rename

The button to the right of the **Reusable Settings** list will change between **Save/Delete/Rename** as **Reusable Settings** are added, modified, or deleted.

- Save** Click **Save** when you make changes to the selected Reusable Setting.
- Delete** Click **Delete** to delete the selected Reusable Setting.
- Rename** Click **Rename** to rename the selected Reusable Setting
-

How Do I ...

Use, create, modify, and delete Reusable Settings?

Collate



When **Collate** is selected, the printer prints one complete set of pages in order before printing the next set of pages.

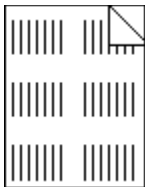


When **Collate** is cleared, the printer prints all copies of a page before printing the copies of the next page.

Pages per Sheet

Select **Pages per Sheet** to print 1, 2, 4, 6, 9, or 16 pages of a multiple-page document on a single sheet of media. The orientation of the printed pages will change between **Portrait** and **Landscape** based on the number of pages per sheet selected. This option is especially useful for handouts or previewing documents. Select **Print Page Borders** to simulate page boundaries.

The examples below show how four and six pages are printed on a single sheet.



How Do I ...

Print multiple pages per sheet?

Print Page Borders

Select **Print Page Borders** to create a border around each page, simulating page boundaries when you print multiple **Pages Per Sheet**.



How Do I ...

Print multiple pages per sheet?

Booklet Printing

Select **Booklet Printing** to print two pages per side. These pages are in the correct order when you fold the page in half.

You can use booklet printing with the following paper sizes:

Booklet on Letter

Booklet on 11 by 17

Booklet on A3

Booklet on A4

How Do I ...

Print documents in booklet form?

Notes:

You must have a duplex unit installed to use **Booklet Printing**.

If you have problems printing booklets, make sure that the correct booklet media size is selected in both the application and the driver.

Print on Both Sides

Select **Print on Both Sides** to print the document on both sides of the media.

Examples of printing on both sides are:



Book style

Select **Side-by-side** to print your documents on both sides of the media, in order, one page per sheet. This is the default when printing on both sides.



Tablet style

Clear **Side-by-side** to print your documents on both sides of the media, in order, one page per sheet. Even numbered pages are oriented upside down.



How Do I ...

Print documents in book form?



How Do I ...

Print documents in tablet form?

Notes:



This option is unavailable when printing on custom-sized media, heavy media, card stock, transparencies, or labels.



This option is unavailable when **Manual feed** selected from the **Paper** tab.



This option is unavailable if a duplex unit is not installed in the printer.

Side-by-Side

Select **Side-by-Side** to print your documents on both sides of the media, in order, one page per sheet. The pages can be bound along the long edge of the media, forming a book. This is the default when printing on both sides.

Clear **Side-by-Side** to print your documents on both sides of the media, in order, one page per sheet. Even numbered pages are oriented upside down, so the pages can be bound along the short edge of the media, forming a tablet.



How Do I ...

Print documents in book form?



How Do I ...

Print documents in tablet form?

Notes:



To use **Side-by-Side** printing, **Print on Both Sides** must be selected.

Copies

In the **Copies** box, type the number of copies to print or click the arrows to change the number of copies.

Proof and Print

Select **Proof and Print** to print only the first copy of a multiple-copy print job. The other copies are saved on the optional printer hard disk and remain there until the job is either canceled or continued from the printer control panel.



How Do I ...

Start a proof and print job?



How Do I ...

Continue a proof and print job?



How Do I ...

Cancel a proof and print job?

Notes:



This option is available only if multiple copies have been selected.



This option is unavailable if an optional printer hard disk is not installed.



Proof and print jobs will automatically print with collation selected in the printer driver. If collation is selected in the application print dialog box, a proof and print job will print more copies than expected. Make sure that collation is not selected in the application print dialog box when **Proof and Print** is selected.



Portrait

Select **Portrait** to print a document so that the short edge of the media is horizontal (the page is taller than it is wide). The default page orientation for printing is **Portrait**.



Landscape

Select **Landscape** to print a document so that the long edge of the media is horizontal (the page is wider than it is tall). The default orientation for printing is **Portrait**.



Rotated Landscape

Select **Rotated Landscape** to print the document so that it is flipped 180 degrees from **Landscape** orientation.

Examples for using **Rotated Landscape**:


- Printing on both sides of the media using three-hole punch media, so that the pages are oriented with the holes on the correct side
- Printing on letterhead when the letterhead is down the left side of the media

About

Select **About** to display information about the PostScript printer driver for the HP Color LaserJet 8500, including copyright and version number.

Unprintable Area

Select **Unprintable Area** to display the **Unprintable Area** dialog box. From this dialog box, you can change the amount of space on each side of a document that is available for printing. A minimum amount of space is needed for the rollers to catch the document and move it through the printer. Characters in a document that fall outside the unprintable area are not printed.

Click here  for information about the **Unprintable Area** dialog box.

Restore Defaults

Select **Restore Defaults** to restore the driver settings on the current tab or dialog box to the factory default.

Restore All Defaults

Select **Restore All Defaults** to restore the driver settings on all tabs to their factory default.

Color

Click **Color** to display the **Color Adjustments** dialog box. From this dialog box, you can manually adjust color settings and select color treatments for your print job.




How Do I ...

Adjust color settings manually?



How Do I ...

Select a color treatment for a print job?

Click here  for information on the **Color Adjustments** dialog box.

Paper Tab Popups

All pages tab

The **All pages** tab is enabled only when you select **Same Paper for All Pages**. You can select the media type or source (input tray) from the **Select Paper** list on the **All pages** tab.

First Page tab

The **First Page** tab is enabled only when you select **Use different paper for first page**. For the first page of the document to be printed, choose the media type or source (input tray) from the **Select Paper** list on the **First Page** tab.



How Do I ...

Print the first page on different media?

Other Pages tab

The **Other Pages** tab is enabled only when you select **Use different paper for first page**. For all pages after the first page of the document to be printed, choose the media type or source (input tray) from the **Select Paper** list on the **Other Pages** tab.



How Do I ...

Print the first page on different media?

AutoSelect

Select **AutoSelect** to have the printer automatically choose the source (input tray), based on the type of media selected on the **Paper** tab.

Note:

The media types loaded in the printer must be configured at the printer control panel. See the online user guide for information about configuring media types.

Size is

The **Size is** list displays the sizes you can select for documents (for example, Letter, A4). The size selected must match what is loaded in the media source (input tray), or the document may print on the wrong media size.

**How Do I ...**

Check settings for media type, source, and size?

Custom...

Click **Custom...** to display the **Custom-Defined Size** dialog box. From this dialog box, you can enter the width and length of the custom media in either inches or millimeters.

The maximum and minimum media sizes are:

Maximum size: 12 by 18.5 in (304.8 by 469.9 mm)

Minimum size: 3.86 by 7.49 in (98.1 by 190.1 mm)

Notes:

- Custom media must be placed in Tray 1 of the printer.
- You can define only one custom media size at a time.

Click here for more information about the **Custom-Defined Size** dialog box.

Custom...

Click **Custom...** to display the **Enter Custom Paper Size** dialog box. From this dialog box, you can enter the width and length of the custom media in either inches or millimeters.

The maximum and minimum paper sizes are:

Maximum size: 12 by 18.5 in (304.8 by 469.9 mm)

Minimum size: 3.8 by 7.5 in (98 by 190.5 mm)

Notes:

- Custom media must be placed in Tray 1 of the printer.
- You can define only one custom media size at a time.

Click here for more information about the **Enter Custom Paper Size** dialog box.

by type

Selecting media by type allows the printer to select media for the print job without specifying where a particular media type is loaded in the printer source (input tray). The printer control panel must be used to configure the type of media in the printer.

by source

Selecting media by source tells the printer to select the media from a particular printer source (input tray), regardless of the media type loaded in that source.

Destination Tab Popups

Top Output Bin

The **Top Output Bin** is the default destination for print jobs. Printed documents exit at the top of the printer, printed side down. Pages stack in correct order (that is, first page first, last page last).

Left Output Bin

Printed documents exit to the **Left Output Bin**, printed side up. Pages stack in reverse order (that is, first page last, last page first).

Mailbox Mode

Select **Mailbox Mode** to allow documents to exit to a specific multi-bin mailbox slot, printed side down.

If your network administrator has assigned names to specific mailboxes (bins), you will be able to view the names assigned for each mailbox. If not, you will still be able to direct your output to any mailbox.



How Do I ...

Use the multi-bin mailbox?



How Do I ...

Configure the multi-bin mailbox?

Note:



If bidirectional communication is active, the printer driver will send a query to the printer and automatically display the mailbox mode currently selected for the printer.

Stacker Mode

In **Stacker Mode**, each bin is filled to capacity before moving to the next bin. Bin selection begins with the lowest bin first and moves upward to the top bin. The next bin is then filled to capacity until all bins are filled.

Note:

If bidirectional communication is active, the printer driver will send a query to the printer and automatically display the mailbox mode currently selected for the printer.

Job Separator Mode

In **Job Separator Mode**, each new job is directed to the next available (empty) bin. Bin selection begins with the highest bin first and moves downward to the bottom bin.

Note:

If bidirectional communication is active, the printer driver will send a query to the printer and automatically display the mailbox mode currently selected for the printer.

Change Mailbox Name

In the **Change Mailbox Name** box, type the name you want to assign to the appropriate mailbox slot.

Font Tab Popups

HP FontSmart

Select **HP FontSmart** to install, uninstall, and delete fonts on your computer. Font lists and samples can also be created with the HP FontSmart utility.

Send TrueType Fonts to printer according to Substitution Table

Select this option to use the **Font Substitution Table** dialog box to determine how individual fonts are sent to the printer.

Click here  for information on the **Font Substitution Table** dialog box.

Edit the Table

Click **Edit the Table** to open the **Font Substitution Table** dialog box. You can use the table to view or change how individual fonts are sent to the printer,

Click here  for information on the **Font Substitution Table** dialog box.

Type 1

Select this option for documents using point sizes of 10 or more, especially when several sizes of the same font are used.

Type 3

Select this option for documents using point sizes of 10 or less.

Type 42

Select this option to provide the closest representation of TrueType fonts.

Do Not Send

Select this option if there is a spooler in the system that can supply these fonts. Printer fonts are not substituted for TrueType fonts; when a TrueType font is not available, the default printer font (usually Courier) is used. This is an advanced feature for users experienced in managing fonts.

Substitute PostScript Fonts for TrueType Fonts on This Printer

This option controls whether the printer driver substitutes selected PostScript fonts for TrueType fonts or simulates PostScript fonts with TrueType fonts.

When this option is selected, fonts are substituted using the **TrueType Substitution Table for All Printers**, which displays the PostScript fonts to substitute for TrueType fonts.

When this option is cleared, the driver uses the option selected with the **Send TrueType Fonts to This Printer As** dialog box for all TrueType fonts.

TrueType Substitution for All Printers

When **Substitute PostScript Fonts for TrueType Fonts on This Printer** is selected, the **TrueType Substitutions Table** shows which PostScript font is substituted for each TrueType font.

All of the TrueType fonts are listed on the left side of the table. To the right of each TrueType font, a drop-down list shows the PostScript font that is substituted for the TrueType font. The drop-down list for each TrueType font shows all the PostScript fonts available to the printer.

Use Defaults

Use Defaults restores the PostScript font substitution assignments to the factory default.

Font Downloader

Click **Font Downloader** to display the **Font Downloader** dialog box, which can be used to send individual PostScript fonts to the printer memory.

Font Substitutions list

The **Font Substitutions** list specifies the TrueType fonts that can be substituted for a printer font.

Printer Font For

The **Printer Font For** list specifies the printer font to substitute for the font selected in the **Font Substitutions** list.

Always use built-in printer fonts instead of TrueType fonts


Select this option to use the built-in printer fonts to print the document. The document may print faster, but output may vary with different printers, depending on the fonts loaded in the printer.

Always use TrueType fonts

Select this option to use TrueType fonts to print the document. The document may print slower, but output to different printers will look identical.

Send Fonts As

Click **Send Fonts As** to display the **Send Fonts As** dialog box. From this dialog box, you can specify the options for all TrueType and PostScript fonts.

Click here  for information about the **Send Fonts As** dialog box.

Send TrueType Fonts As

Select from the following options for sending all TrueType fonts:

- Outlines** Select this option for documents using point sizes of 10 or more, especially when several sizes of the same font are used.
- Bitmaps** Select this option for documents using smaller point sizes.
- Type 42** Select this option to provide the closest representation of TrueType fonts.
- Do Not Send** Select this option if there is a spooler that can supply these fonts. Printer fonts are not substituted for TrueType fonts; when a TrueType font is not available, the default printer font (usually Courier) is used. This is an advanced feature for users experienced in managing fonts.

Threshold To Switch Between Downloading Bitmap Or Outline Fonts

To adjust the font size at which the driver should switch between sending TrueType fonts as bitmap fonts and as outline fonts, type the value in the **Threshold** box. Use this option if TrueType fonts are being sent as Scaleable Outlines. This value varies according to the printing resolution.

Favor System TrueType Fonts Over Device Fonts

Select this option to use TrueType fonts in the system instead of TrueType fonts installed in the printer.

Send PostScript Fonts As

Select from the following options for sending all PostScript fonts:

- In Native Format** Sends PostScript fonts to the printer in their native format.
- Do Not Send** PostScript fonts do not need to be sent if a spooler can supply these fonts.

Graphics/Font Options...

Select **Graphics/Font Options...** to display the **Graphic/Font Options** dialog box. From this dialog box, you can adjust graphic and font settings.

Click here for more information about the **Graphic/Font Options** dialog box.

Automatic

Select **Automatic** to let the driver select the optimum technique for sending graphics to the printer.

HP-GL/2 Graphics

Select **HP-GL/2 Graphics** to send graphics to the printer as a mixture of HP-GL/2 and raster images.

Raster Graphics

Select **Raster Graphics** to send all graphics to the printer as raster images.

Raster Graphics and Text

Select **Raster Graphics and Text** to send all data to the printer as raster images, including text. This is used for object layering.

Use Internal Fonts

Select **Use Internal Fonts** to use the printer-resident fonts and not download fonts to the printer unless they are not present in the printer. This frees memory and speeds up your job. This setting will give your printer its best performance and is the printer default setting.

Download Soft Fonts

Select **Download Soft Fonts** to allow output to match what you see on your monitor.


Printer Hard Disk

If an optional printer hard disk is installed in the printer, select **Download Fonts...** under **Printer Hard Disk** to display the **Fonts** dialog box. From this dialog box, you can install, uninstall, and delete TrueType fonts from your computer to the printer hard disk.



How Do I ...

Download or remove fonts on the printer hard disk?

Click here  for more information about the **Fonts** dialog box.


Download Fonts...

Select **Download Fonts...** to display the **Fonts** dialog box. From this dialog box, you can install, uninstall, and delete TrueType fonts from your computer to the printer hard disk.



How Do I...

Download or remove fonts on the printer hard disk?

Click here  for more information about the **Fonts** dialog box.

Color Tab Popups

HP ColorSmart

HP ColorSmart optimizes the color and halftone used for each element in a document (such as text, graphics, and photographs). HP ColorSmart provides additional color options for applications and operating systems which support color management systems. This setting is recommended for printing all color documents.


Manual

Select **Manual** to manually adjust the **Color** and **Halftone** modes for text, graphics, and photographs. When you select **Manual**, click **Options...** to display the **Manual Options** dialog box. Manual color adjustments apply to all PCL data and to RGB data in PostScript.



How Do I ...

Adjust color settings manually?

Click here  for more information about the **Manual Options** dialog box.

Manual

Select **Manual** to adjust the **Color** and **Halftone** modes for text, graphics, and photographs.




How Do I ...


Adjust color settings manually?

Options...

If you select **Manual** from the **Color** tab, click **Options...** to display the **Manual Options** dialog box. From this dialog box, you can adjust the **Color** and **Halftone** modes for text, graphics, and photographs.

If you select **ICC/CMS** from the **Color** tab, click **Options...** to display the **Color Management** dialog box. From this dialog box, you can adjust the color settings to match color between an application and the printer.


Click here  for more information about the **Manual Options** dialog box.

Click here  for more information about the **Color Management** dialog box.


ICC/CMS

ICC/CMS is a color management feature that allows you to select the source of the color profile to be used for color management. Color management can be performed on the host computer or the printer.

When you select **ICC/CMS**, click **Options...** to display the **Color Management** dialog box.

Click here  for more information about the **Color Management** dialog box.

Note:

 **ICC/CMS** is available for Microsoft Windows 95 and Microsoft Windows NT only.

ICC/CMS

ICC/CMS is a color management feature that allows you to select the source of the color profile to be used for color management. Color management can be performed on the host computer or the printer.

Note:

ICC/CMS is available for Microsoft Windows 95 and Microsoft Windows NT only.

Black and White

Select **Black and White** to print a document in black and white. This option is useful for previewing preliminary copies of slides and hardcopy output quickly or for color documents that will be photocopied or faxed.

Color Mode

The **Color Mode** settings tell the printer how to transform the data sent from a software application into the final colors the printer will output. You can manually adjust the **Color Mode** using the following settings:

- Screen Match** The colors are optimized to match RGB monitor colors. Use this setting to more closely match the colors on the screen. This is the default **Color Mode**.
- Vivid** Saturation of the colors is enhanced to produce a vivid color appearance. This setting is useful for presentations.
- OHT** Colors are optimized for overhead transparency quality.
-

How Do I ...

Adjust color settings manually?

Halftone Mode

Halftone uses many small colored dots to represent the light and dark areas of an image. Halftoning allows you to print a wide range of colors with just a few toner colors. You can manually adjust the halftone patterns the printer uses for text, graphics, and photos using the following settings:

Detail Select **Detail** for images that require a high level of detail or show a pattern within colors.

Smooth Select **Smooth** for images that require an even distribution of color.



How Do I ...

Adjust color settings manually?

Manually Print on 2nd Side

Select **Manually Print on 2nd Side** if you are printing a two page document on both sides using Heavy Media (heavier than 28 lb) or Cardstock. Documents printed on Heavy Media or Cardstock cannot be printed on both sides using the Duplex Unit.



How Do I ...

Manually Print on 2nd Side?

Notes:



You may notice print quality problems on the second side of a printed document if you are printing it on both sides using Heavy Media or Cardstock. Click the How Do I? link above for the procedure.



This procedure will work only if you are printing a 2 page document on both sides of one sheet of Heavy Media or Cardstock.

Installed Options Tab/Config Tab Popups

Available Memory

Available Memory displays the amount of memory available in the printer. The driver uses this memory primarily for downloading fonts and macros. The only time the amount of available memory should be changed is when memory is added or removed. Increasing the number without installing more memory will not result in better print performance.



How Do I ...

Print a configuration page?

Note:



If bidirectional communication is active, the **Installed Options** tab will not be displayed.

Available Options

Lists the options that can be installed in the printer. The options available are:



Duplex Unit (for two-sided printing)



Multi-bin Mailbox



2000-sheet Input Tray



Printer hard disk

Notes:



The Multi-bin Mailbox cannot be installed without the 2000-sheet Input Tray (Tray 4).



If bidirectional communication is active, the **Installed Options** tab will not be displayed.

Add

Click **Add** to add a selected option from the **Available Options** list to the printer.

Note:

If bidirectional communication is active, the **Installed Options** tab will not be displayed.

Remove

Click **Remove** to remove a selected option from the **Installed Options** list.

Note:



If bidirectional communication is active, the **Installed Options** tab will not be displayed.

Installed Options

The **Installed Options** list displays all options currently installed in the printer.

Note:



If bidirectional communication is active, the **Installed Options** tab will not be displayed.

Configure Installed Option

Click **Configure Installed Option** to change the configuration of a selected option from the **Installed Options** list.


Note:




If bidirectional communication is active, the **Installed Options** tab will not be displayed.

Configure...

Click **Configure...** to display the **Change Output Bin Labels** dialog box. From this dialog box, you can rename the mailbox slots.


Click here  for more information about the **Change Output Bin Labels** dialog box.

Note:


 If bidirectional communication is active, the **Installed Options** tab will not be displayed.

Configure...

Click **Configure...** to display the **Configure** dialog box. From this dialog box, you can select the mailbox mode and edit the names of the mailbox slots.


Click here  for more information about the **Configure** dialog box.

Note:


 If bidirectional communication is active, the **Installed Options** tab will not be displayed.

Configure...

Click **Configure...** to display the **Configure** dialog box. From this dialog box, you can select the mailbox mode and edit the names of the mailbox slots.


Click here  for more information about the **Configure** dialog box.

Note:


 If bidirectional communication is active, the **Installed Options** tab will not be displayed.

Edit Mailbox Names...

Click **Edit Mailbox Names...** to display the **Change Output Bin Labels** dialog box. From this dialog box, you can select the mailbox mode and edit the names of the mailbox slots.


Click here  for more information about the **Change Output Bin Labels** dialog box.

Note:


 If bidirectional communication is active, the **Installed Options** tab will not be displayed.

Edit Mailbox Names...

Click **Edit Mailbox Names...** to display the **Change Output Bin Labels** dialog box. From this dialog box, you can select the mailbox mode and edit the names of the mailbox slots.


Click here  for more information about the **Change Output Bin Labels** dialog box.

Note:


 If bidirectional communication is active, the **Installed Options** tab will not be displayed.

Edit Mailbox Names...

Click **Edit Mailbox Names...** to display the **Change Output Bin Labels** dialog box. From this dialog box, you can select the mailbox mode and edit the names of the mailbox slots.

Click here  for more information about the **Change Output Bin Labels** dialog box.

Note:

 If bidirectional communication is active, the **Installed Options** tab will not be displayed.

Update Automatically

Click **Update Automatically** to update the printer driver configuration every time an accessory is installed or removed from the printer.

Note:



If bidirectional communication is active, the **Installed Options** tab will not be displayed.

Update Options Now

Click **Update Options Now** to check the accessories installed with the printer. The printer driver will make new accessories available and accessories that have been removed unavailable.

Note:



If bidirectional communication is active, the **Installed Options** tab will not be displayed.

Update Now

Click **Update Now** to check the accessories installed with the printer. The printer driver will make new accessories available and accessories that have been removed unavailable.

Note:



If bidirectional communication is active, the **Installed Options** tab will not be displayed.

Download Each Job

Select this option to send each document to the printer with the PostScript header.

Already Downloaded

Select this option to send a document to the printer without the PostScript header.

Download

Select this option to speed printing by downloading the PostScript header to the printer only once. The PostScript header must be resent after the printer turns off or resets.

Send Error Handler With Each Print Job

Select this option to tell the printer driver to download the PostScript error handler with each document it prints. When the printer encounters a PostScript error, the error handler prints a page with an error message describing the nature of the error.

Do Not Download Fonts

Select this option to tell the printer driver to not download soft fonts when printing documents. Use this option when all the typical soft fonts used are always available to the printer.

Watermarks Tab / Watermark dialog Popups

Watermarks

A watermark adds background text to the document being printed. Use the **Watermarks** list to select the watermark to add to the printed document.



How Do I ...

Print, modify, create, and delete Watermarks?

Select a Watermark

The **Select a Watermark** list displays the watermarks that are available in the printer driver.



How Do I ...

Print, modify, create, and delete Watermarks?

Watermark Text

The **Watermark Text** list displays the watermarks that are available in the printer driver.



How Do I ...

Print, modify, create, and delete Watermarks?

Font Size

Select the size for your watermark from the **Size** list.



How Do I ...

Print, modify, create, and delete Watermarks?

Watermark Style

Select the style for your watermark from the **Watermark Style** list. You can select from the following styles:

Narrow Outline

Medium Outline

Wide Outline

Wide Halo Outline

How Do I ...

Print, modify, create, and delete Watermarks?

On first page only

Select **On first page only** to apply the watermark only on the first printed page. Otherwise, the watermark is printed on all pages.



How Do I ...

Print, modify, create, and delete Watermarks?

First page only

Select **First page only** to apply the watermark only on the first printed page. Otherwise, the watermark is printed on all pages.

**How Do I ...**

Print, modify, create, and delete Watermarks?


New

Click **New** to display the **New Watermark** dialog box, then define a new watermark.



How Do I ...

Print, modify, create, and delete Watermarks?

Click here  for more information about the **New Watermark** dialog box.

In background

Select **In background** to print the watermark text behind the document text. Text in front of the watermark will be visible. This is the default for printing watermarks.

Clear **In background** to print the watermark text in front of the document text. Text behind the watermark will not be visible.

**How Do I ...**

Print, modify, create, and delete Watermarks?

As outline only

Select **As outline only** to print the watermark as an outline (text not filled in) on the printed pages. Choose this option if the watermark is covering up graphic images in your document.



How Do I ...

Print, modify, create, and delete Watermarks?


Edit...

Click **Edit...** to display the **Edit Watermarks** dialog box. You can use the **Edit Watermarks** dialog box to edit the text and change the font type, size, angle, color, and position of an existing watermark.



How Do I ...

Print, modify, create, and delete Watermarks?

Click here  for more information about the **Edit Watermarks** dialog box.


Edit

Click **Edit** to display the **Edit Watermark** dialog box. You can use the **Edit Watermark** dialog box to edit the text and change the font type, size, angle, color, and position of an existing watermark.



How Do I ...

Print, modify, create, and delete Watermarks?

Click here  for more information about the **Edit Watermark** dialog box.


Edit

Click **Edit** to display the **Edit Watermark** dialog box. You can use the **Edit Watermark** dialog box to edit the text and change the font type, size, angle, color, and position of an existing watermark.



How Do I ...

Print, modify, create, and delete Watermarks?

Click here  for more information about the **Edit Watermark** dialog box.


Add...

Click **Add** to display the **Edit Watermark** dialog box. You can use the **Edit Watermark** dialog box to define a new watermark.



How Do I ...

Print, modify, create, and delete Watermarks?

Click here  for more information about the **Edit Watermarks** dialog box.


Add...

Click **Add** to display the **Add Watermark** dialog box. You can use the **Add Watermark** dialog box to define a new watermark.



How Do I ...

Print, modify, create, and delete Watermarks?

Click here  for more information about the **Add Watermark** dialog box.

Delete

Click **Delete** to delete a selected watermark.



How Do I ...

Print, modify, create, and delete Watermarks?

PostScript Tab Popups (for PS driver only)

PostScript (Optimize for Speed)

Select this option to print a PostScript document as quickly as possible; do not select when printing to a file or to another printer.

PostScript (Optimize for Portability-ADSC)

Select this option to make certain that a PostScript document will print on any printer.

PostScript

Select **PostScript** to output documents to the printer.

Encapsulated PostScript (EPS)

Select **Encapsulated PostScript** to create an Encapsulated PostScript (EPS) file from the document when printed. EPS is a file format used for placing graphics in documents created in other applications.

Archive Format

Select **Archive Format** to improve file portability when printing to a file. This option suppresses many of the printer settings that might prevent a file from printing on different printers.

PJL Archive Format

Select **PJL Archive Format** if you have a printer that supports both PostScript and PJL. This option notifies the printer that the document being printed contains printer feature settings in another printer control personality in addition to the PostScript personality.

Download Header With Each Print Job

Select this option to send each document to the printer with the PostScript header.

Assume Header Is Downloaded And Retained

Select this option to send a document to the printer without the PostScript header.

Send Header Now

Select this option to speed printing by downloading the PostScript header to the printer only once. The PostScript header must be resent every time the printer turns off or resets.

Job Timeout

Enter the number of seconds the printer will try printing a document. If printing exceeds the allotted time, the print job cancels.

Wait Timeout


Enter the number of seconds the printer will spend waiting to receive a document from the computer. If the wait exceeds the allotted time, the print job cancels.

Print PostScript Error Information

Select this option to print the PostScript error information every time it occurs.

Advanced...

Click **Advanced...** to display the **Advanced PostScript Options** dialog box.

Click here  for more information about the **Advanced PostScript Options** dialog box.

Optimize for Speed

Select this option to print a PostScript document quickly but not to print to a file or to another printer.

Optimize for Portability

Select this option to make certain that the PostScript document will print on any printer.

Use PostScript Level 2 Features

Select **PostScript Level 2 Features** to reduce printing time. Turn off Level 2 features only when creating PostScript files or Encapsulated PostScript (EPS) files that might be printed on a PostScript Level 1 printer.

Send Data in Binary

Select **Send Data in Binary** to send binary data to the printer. Sending binary data reduces the time it takes to print a document. The printer must support binary communication and be set up to receive binary data; otherwise, selecting this option causes printing errors.

If the printer supports binary communication, turn off this option only when creating a PostScript file or an Encapsulated PostScript (EPS) file that might be printed on a printer that does not support binary communication.

Some printers require setup instructions from the driver before they can accept binary data. If using this kind of printer, use the **Send Mode** button on the **Job Control** tab to set up the printer to receive binary data.

Send Full Color Data

Select this option to print colors on a color printer. If not selected, 24-bit color bitmaps are sent as grayscale, which produces finer shades of gray for colors. Otherwise, all other document content is sent as full color.

Select this option to use the **Match Colors Across Printers** option.

Match Color Across Printers

Select this option to use the color matching feature with PostScript Level 2 printers. The color matching feature produces consistent colors on different Level 2 color printers and gives results closer to what is seen on the screen.

This option is available only when **Send Full Color Data** is selected.

Note:

Using this option increases the time it takes to print a document.

Default

Select **Default** to have the printer driver report the printable area to applications accurately. Most laser printers can print to within a quarter of an inch of the edge of the media. The margins settings in most applications are measured relative to this setting.

None

Select **None** to have the printer driver report that the printable area is the size of the media. Use this option only if the printed image is being cropped at the edges and information is being lost.

Default - Serial/Parallel

Use this option if the printer is either connected directly to the computer through a parallel or serial communications port or connected across any network except AppleTalk.

None (AppleTalk)

Use this option if the printer is connected through an AppleTalk interface card.

Advanced PostScript Options Dialog Box popups (PS Only)

Use PostScript Level 1 Features

Select **Use PostScript Level 1 Features** only when archiving documents or creating PostScript files or Encapsulated PostScript (EPS) files that might be printed on a PostScript Level 1 printer.

Compress bitmap images

Select **Compress bitmap images** to compress images before they are sent to the printer. This may decrease printing time. However, the image may not print as expected if the printer uncompresses it incorrectly.

No bitmap compression

Select **No bitmap compression** to send images uncompressed to the printer. This may increase printing time. However, the image is more likely to print correctly because the printer does not have to uncompress the image before printing it.

ASCII data

Data is sent from your computer to the printer using only seven of the eight bits available in each character. **ASCII data** contrasts with **Binary communications protocol** where data is sent from your computer to the printer with eight-bit characters. When you set up some printers to accept ASCII data, sending binary data causes printing errors.

Binary communications protocol

Select **Binary communications protocol** to send all data except special control characters in binary (8-bit) format. You can use this protocol to send data faster than in ASCII format. Printers that support binary communications protocol can accept both ASCII and binary data.

Note:

The HP Color LaserJet 8500 does not support **Binary communications protocol**.

Tagged binary communications protocol

Select **Tagged binary communications protocol** to send all data except special characters in binary (8-bit) format to the printer.

Pure binary data

Select **Pure binary data** to send all data in pure binary format. This is the fastest format for printing.

Note:

The HP Color LaserJet 8500 does not support **Pure binary data**.

Send CTRL+D before job

Select **Send CTRL+D before job** to send the reset-memory code before sending your print job. The reset-memory code clears the printer memory. **Send CTRL+D After Job** is the default option for sending the reset-memory code.

Send CTRL+D after job

Select **Send CTRL+D after job** to send the reset-memory code after sending your print job. The reset-memory code clears the printer memory. **Send CTRL+D After Job** is the default option for sending the reset-memory code.

Display alert for apps incompatible with driver features

Select **Display alert for apps incompatible with driver features** to allow the printer driver to display an alert message when a printer driver feature will not work with an application.

bidirectional communication

Bidirectional communication describes the ability of the printer to respond to data inquiries from your computer and report information, such as what type of paper is available or what accessories are connected to the printer. If a printer does not have this capability (non-bidirectional mode), it can only accept commands from the host and not report information back.

Bidirectional communication is dependent upon the network operating system you are using, the way your printer is connected to the network, and the amount of stack memory available from the application you are running.

Custom-Defined Size Dialog Box (PS) and Enter Custom Paper Size Dialog Box (PCL) popups

Paper Name

If you want to name the custom media size, type the name for your custom media in the **Paper Name** box. Only one custom media size can be defined.

Width

To define the width of your custom media size, either type the width in the **Width** box or click the arrows to select a new custom media size width.

The maximum and minimum paper sizes are:

Maximum size 12 by 18.5 inches (304.8 mm x 469.9 mm)

Minimum size 3.86 by 7.49 inches (149.1 mm x 188.7 mm)

Length

To define the length of your custom media size, either type the width in the **Length** box or click the arrows to select a new custom media size length.

The maximum and minimum paper sizes are:

Maximum size 12 by 18.5 inches (304.8 mm x 469.9 mm)

Minimum size 3.86 by 7.49 inches (149.1 mm x 188.7 mm)

Transverse

Select **Transverse** to swap the values in the **Length** and **Width** boxes.

Inches

Select **Inches** if you want to set the length and width of your custom paper in inches.

Millimeters

Select **Millimeters** if you want to set the length and width of your custom paper in millimeters.

Edit Watermark and Edit Watermarks dialog box popups

Text

Type the text for your watermark in the **Text** box. The text you type also becomes the name of the watermark.



How Do I ...

Print, modify, create, and delete Watermarks?

Font

Select the font for your watermark from the **Font** list.



How Do I ...

Print, modify, create, and delete Watermarks?

Size

Select the size for your watermark from the **Size** list.



How Do I ...

Print, modify, create, and delete Watermarks?

Style

Select the style for your watermark from the **Style** list. You can select from the following styles:

Regular

Bold

Bold Italic

Italic

How Do I ...

Print, modify, create, and delete Watermarks?

Print in Foreground

Select **Print in Foreground** to print the watermark text in front of the document text. Text behind the watermark will not be visible.

Clear **Print in Foreground** to print the watermark text behind the document text. Text in front of the watermark will be visible.



How Do I ...

Print, modify, create, and delete Watermarks?

Print Outline Only

Select **Print Outline Only** to print the watermark as an outline (text not filled in) on the printed pages. Choose this option if the watermark is covering up graphic images in your document.

**How Do I ...**

Print, modify, create, and delete Watermarks?

Color

Select the color for your watermark from the **Color** list.



How Do I ...

Print, modify, create, and delete Watermarks?

Saturation

The **Saturation** slider controls the amount of color in the watermark. Move the slider to the left to decrease the amount of color in the watermark; move the slider to the right to increase the amount of color. Values greater than zero cause colors to appear more intense, and values less than zero cause colors to appear less intense.



How Do I ...

Print, modify, create, and delete Watermarks?

Intensity

The **Intensity** slider controls the color output of the watermark by increasing or decreasing the lightness of the color. Values greater than zero cause colors to appear darker, and values less than zero cause colors to appear lighter.



How Do I ...

Print, modify, create, and delete Watermarks?

Rotation

The **Rotation** slider controls the angle at which the watermark is printed on the page.



How Do I ...

Print, modify, create, and delete Watermarks?

Angle

Adjust the angle of the watermark between -90 and 90 degrees by typing an angle in the **Angle** box, by using the up and down arrows to adjust the angle, or by using the angle slider.



How Do I ...

Print, modify, create, and delete Watermarks?

Automatically center

Select **Automatically center** so that the watermark is centered on the printed page.



How Do I ...

Print, modify, create, and delete Watermarks?

Position relative to center

Select **Position relative to center** if you want to adjust the location of the watermark. Type values for x and y coordinates in the **x** and **y** boxes or use the up and down arrows to position the watermark on the page.

**How Do I ...**

Print, modify, create, and delete Watermarks?

x

If you select **Position relative to center**, type a value for the x coordinate in the **x** box or use the up and down arrows to adjust the position. Adjusting the x coordinate will move the watermark right or left on the page.



How Do I ...

Print, modify, create, and delete Watermarks?

y

If you select **Position relative to center**, type a value for the y coordinate in the **y** box or use the up and down arrows to adjust the position. Adjusting the y coordinate moves the watermark up or down on the page.



How Do I ...

Print, modify, create, and delete Watermarks?

Red/Green/Blue

To adjust the red, green, or blue color settings for the watermark, type a value or use the up and down in the **Red**, **Green**, or **Blue** boxes.



How Do I ...

Print, modify, create, and delete Watermarks?

Choose Color...

Click **Choose Color...** to display the **Color** dialog box. From this dialog box, you can select a color for a watermark from a color palette or create your own custom watermarks.

**How Do I ...**

Print, modify, create, and delete Watermarks?

Fonts dialog box popups (PCL only)

Available Fonts (On Your System)

The **Available Fonts (On Your System)** list displays the fonts that are currently loaded on your computer. These fonts can be permanently downloaded to the optional printer hard disk.

Download

Click **Download** to permanently download fonts selected from the **Available Fonts (On Your System)** list from your computer to the optional printer hard disk.

Remove

Click **Remove** to remove selected fonts from the **Fonts Installed On Printer** list from the optional printer hard disk.

Fonts Installed On Printer

The **Fonts Installed On Printer** list display the fonts that have been downloaded to the optional printer hard disk.

Info...

Click **Info...** to display information about a selected font from the **Fonts Installed On Printer** list.

Font Sample

The **Font Sample** list displays the name and a sample of the selected font from the **Available Fonts (On Your System)** or **Fonts Installed on Printer** lists.

Image Color Matching dialog box popups (PS only)

Perform color management using profiles on the host

Select **Perform color management using profiles on the host** to more accurately match colors between your application and the printer. Using this option could result in slower print performance, but allow more color options.

Download color management profiles to the printer

Select **Download color management profiles to the printer** to build a color-rendering dictionary (profile) and download it to the printer.

Perform color management using profiles on the printer

Select **Perform color management using profiles on the printer** if a color-rendering dictionary (profile) is already downloaded to the printer. Color matching will be performed on the printer. The color matching may be less accurate.

Saturation

Select **Saturation** to better match colors if you are printing presentation graphics.

Perceptual

Select **Perceptual** to better match colors if you are printing photographic images, such as bitmaps or .tif files.

Colorimetric

Select **Colormetric** to better match specific colors when you are printing graphics.

Unprintable Area Dialog Box popups

Inches

Select **Inches** if you want to set the **Unprintable Area** in inches.

Millimeters

Select **Millimeters** if you want to set the **Unprintable Area** in millimeters.

Top

Enter the top margin for the **Unprintable Area** or use the arrows to adjust the top margin up or down.

Bottom

Enter the bottom margin for the **Unprintable Area** or use the arrows to adjust the bottom margin up or down.

Left

Enter the left margin for the **Unprintable Area** or use the arrows to adjust the left margin up or down.

Right

Enter the right margin for the **Unprintable Area** or use the arrows to adjust the right margin up or down.

