Fiery X12/XP12

PRINTING GUIDE

for DocuColor 12

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Preface

The Fiery X12/XP12 Color Server™ enables you to use your color copier as a networked printer. You can use the Fiery X12/XP12 Color Server to print final documents or proof jobs you will later print on an offset press. You send a print job to the Fiery X12/XP12 Color Server as you would to any other printer—you select it from the Printers dialog box on Microsoft Windows computers, or in the Chooser on Apple Mac OS computers—and then print from within any application.

NOTE: The term "Fiery®" is used in this manual to refer to the Fiery X12 or Fiery XP12 Color Server. The Fiery supports the DocuColor 12 digital copier. The term "copier" is used to refer to the DocuColor 12.

X12 This icon specifies information, features, or procedures that apply only to the Fiery X12.

XP12 This icon specifies information, features, or procedures that apply only to the Fiery XP12.

Both the Fiery X12 and Fiery XP12 include Command WorkStation™ software, which enables an operator to manage all jobs sent to the Fiery. Some of the job management features of the Command WorkStation are also available from Fiery WebSpooler and Fiery Spooler™. Although it may not be the case at all sites, it is assumed that an operator controls and manages jobs sent by users from remote workstations. For information on the features of the Command WorkStation, Fiery WebSpooler, and Fiery Spooler, see the *Job Management Guide*.

About this manual

This manual is intended for those remote users who send jobs via the network or via a parallel port connection between their workstation and the Fiery. It covers the following topics:

- Printing from a Windows computer
- Printing from a Mac OS computer
- Printing from UNIX

- Using special features, such as printing variable data documents, press simulations, duplex pages, and scanning images from the copier using Adobe Photoshop and the Fiery Scan™ plug-in
- Downloading files and fonts using Fiery Downloader™ and WebDownloader
- Monitoring jobs and accessing information using Fiery WebTools™ and Fiery Link™
- Specifying and overriding job settings, a list of fonts installed on the Fiery, and troubleshooting information

About the documentation

This manual is part of a set of Fiery documentation that includes the following manuals for users and system administrators:

- The *Configuration Guide* explains basic configuration and administration of the Fiery for the supported platforms and network environments. It also includes guidelines for setting up UNIX, Windows NT 4.0, and Novell NetWare servers to provide PCL and PostScript printing services to clients.
- *Getting Started* describes how to install software to enable users to print to the Fiery. Specifically, it describes installation of PCL and PostScript printer drivers, printer description files, and other user software provided on the User Software CD. It also explains how to connect each user to the network.
- The *Printing Guide* describes the printing features of the Fiery for users who send jobs via remote workstations on the network or via a direct parallel port connection.
- The *Color Guide* provides information on managing the color output of your Fiery. It addresses concepts and issues associated with printing to the Fiery and outlines key workflow scenarios. This manual explains how to calibrate your copier and take advantage of the ColorWise® color management system, as well as features of ColorWise Pro Tools™. In addition, the *Color Guide* offers information on printing from popular Windows and Mac OS applications.

- The *Job Management Guide* explains the functions of the Fiery client utilities, including the Command WorkStation, and how they can be used to manage jobs. This book is intended for an operator or administrator, or a user with the necessary access privileges, who needs to monitor and manage job flow and troubleshoot problems that may arise.
- Printed *Release Notes* provide last-minute product information and workarounds for some of the problems you may encounter.

How the Fiery works

The Fiery receives files from computers on the network, processes (RIPs) those files, and then sends them to the copier's print engine for printing. Even with the Fiery installed, you can still use the copier to make copies.

Windows and Mac OS computers communicate with the Fiery by means of a PostScript printer driver and PostScript printer description (PPD) files. Windows computers can also communicate with the Fiery by means of a Printer Control Language (PCL) printer driver and PDD files (the PCL equivalent of PPD files). Both drivers enable you to use special features of the Fiery from the Print dialog box.

About printer drivers and PPDs/PDDs

A printer driver manages printing communication between your application software and the printer. It interprets the instructions generated by the application software, merges those instructions with printer-specific PPD/PDD options you specify, and translates all that information into PostScript or PCL, a language the printer understands. In other words, the printer driver writes a PostScript or PCL file based on your original file and the options you set from the Print dialog box.

A PPD/PDD file contains information about a particular device's features and capabilities (for example, what paper sizes and media types are supported). The printer driver reads the information in the PPD/PDD file and presents that information to you in the form of options you can choose from the Print dialog box. The PPD/PDD for the Fiery includes information about the features of both the copier and the Fiery X12/XP12 Color Server.

For information on the PPD/PDD options, see Appendix A, "Print Options."

Supported paper sizes

The Fiery supports printing at 600 dpi (dots per inch) on a wide range of paper sizes. For more information, see the description of the Paper Size print option in Appendix A, “Print Options.”

Non-imageable area

The Fiery non-imageable area for DocuColor 12 is 4mm on the leading, trailing, near, and far edges.

Toner reduction

The Fiery maximum toner density for DocuColor 12 is 240%.

Before you begin

Before using the Fiery, follow these steps:

1. **Confirm that the system administrator has completed Setup, as described in the *Configuration Guide*.**
2. **Find out what printer defaults the administrator specified in Setup.**

   These default settings can affect the results of your print jobs. Check with your administrator or operator for information on these default settings.
3. **Confirm the user software is installed correctly on your workstation, as described in *Getting Started*.**
4. **Consult the *Color Guide* for information on print options and application features that affect color output.**

5. **Find out how your workstation is configured for printing on the network.**

   If your site has an operator who controls all printing, you may have access to the Hold queue only. In this case, all jobs you send are spooled to the Fiery and held until the operator sends them to their next stage of processing.

   You may also have access to the Print queue. If you send jobs to this queue, jobs spool to the Fiery and proceed to RIP and print according to your job settings—unless someone (you, or an operator, for example) intervenes.

   Lastly, you may have access to the Direct connection, which sends jobs straight to the server without spooling.

6. **Find out whether the Fiery is set up to use Fiery WebTools and what your access privileges are.**

   The administrator may or may not have enabled access to the server via the Internet (or an intranet). If access is enabled, a password may be required to utilize certain functions.

Chapter 1: Printing from Windows Computers

This chapter describes printing to the Fiery from Windows 95/98 and Windows NT 4.0. You can print from a networked Windows computer, a computer using Windows (WINS) printing, or a Windows computer connected to the parallel port on the Fiery. If you plan to print files at another location, follow the procedures described in "Saving files to print at a remote location" on page 1-21.

Another way to print from a Windows computer is to download PCL, PostScript, Encapsulated PostScript (EPS), or Portable Document Format (PDF) files using Fiery Downloader or WebDownloader. Basic instructions are provided at the end of this chapter.

NOTE: For information on setting up the Windows environment for printing with Windows servers connected to the Fiery, see the *Configuration Guide*. For information on connecting to the Fiery over the network, installing printer drivers, and installing the Fiery utilities, see *Getting Started*.

Printing from applications

Once you have installed the Fiery printer driver and set it to the proper port, as described in *Getting Started*, you can print directly from most Windows applications. Simply choose the Print command from within your application.

To achieve the best printing results from specific applications, see the *Color Guide*.

Setting options and printing from Windows 95/98

To print from Windows 95/98, use either the PCL printer driver or the Adobe PostScript printer driver for Windows 95/98. Both drivers are included with the Fiery user software.

Once you have installed the PCL printer driver and PDD file, or the Adobe PostScript printer driver and PPD file, you can specify print settings for a particular job and print it to the Fiery.

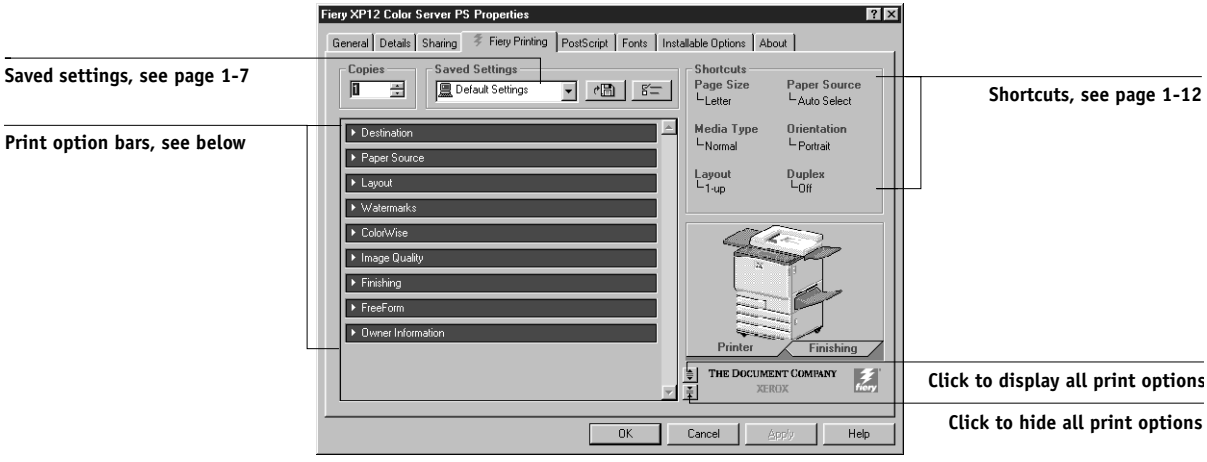
To print from Windows 95/98 applications by connecting your computer to a print server via the network, one of the following is required: a NetWare server, a Windows NT server, or a UNIX server. For more information, see the *Configuration Guide*.

To print from Windows 95/98 applications without connecting to a print server, you can use SMB printing. For more information, see *Getting Started*.

The procedures for setting options and printing are different depending on which printer driver (PCL or PostScript) you use. Procedures for the PostScript printer driver appear below; procedures for the PCL printer driver start on page 1-5.

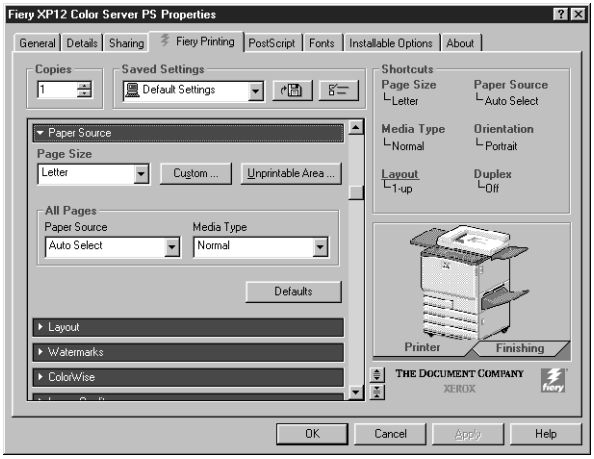
TO SET PRINT OPTIONS AND PRINT FROM WINDOWS 95/98 USING THE ADOBE POSTSCRIPT PRINTER DRIVER:

1. **Click the Start button, point to Settings, and click Printers.**
2. **Select the icon for the Fiery and choose Properties from the File menu.**
3. **Click the Fiery Printing tab.**



The Fiery Printing tab serves as the control center for all frequently used printing functions.

4. **Click the Paper Source print option bar.**



In the **Page Size** area, specify the page size for the job.

From the **Paper Source** pop-up menu, choose the paper tray for the job. For example, you can specify that the job should be printed on pages from Tray 4.

In the **Media Type** area, specify the type of media to use for the job.

For more information on these and other print options, see Appendix A.

NOTE: If paper loaded in the selected tray is a different size, orientation, and/or media type than that of the job you are sending, the Fiery displays an error message and the job might not print. You should then load the correct paper in the selected tray or cancel the job.

5. **Click the Destination, Layout, Watermarks, ColorWise, Image Quality, Finishing, and FreeForm print option bars to specify the appropriate settings for the print job.**

These print options are specific to the Fiery and the copier. They override settings specified in Fiery Printer Setup, but can be overridden from the Command WorkStation or the Fiery WebSpooler. For information about these options and overrides, see Appendix A.

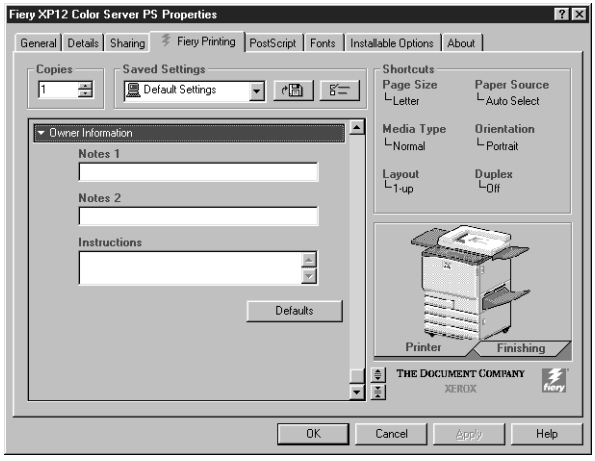
If you choose **Printer's default**, the job prints according to the settings entered during Setup, or the default settings. See Appendix A for more information.

Some options can also be set from an application (for example, Reverse Page Order or Collation). In these cases, use the driver option to perform the function, rather than setting it from the application. The application may not set up the file properly for printing on the Fiery and may also take longer to process.

NOTE: If you specify incompatible print settings, the Conflict dialog box may appear. Follow the on-screen instructions to resolve the conflict.

6. **If you want to make the new settings the default settings for all jobs printed from your Windows 95/98 computer, click Apply.**

7. **Click the Owner Information print option bar.**



8. **Enter text messages in the Notes 1 and Notes 2 areas.**

Enter user and job identification information for accounting purposes, or whatever information is required at your site.

The information you enter in these areas can be viewed by the operator at the Command WorkStation and also appears in the Job Log. It *cannot* be edited or erased by the operator.

9. **In the Instructions area, enter instructions to the operator about the job.**

   These instructions can be displayed at the Command WorkStation, but do not appear in the Job Log. These instructions *can* be edited by the operator.

10. **Click OK.**

11. **From your application, choose Print.**

    Make sure the Fiery is selected as your current printer.

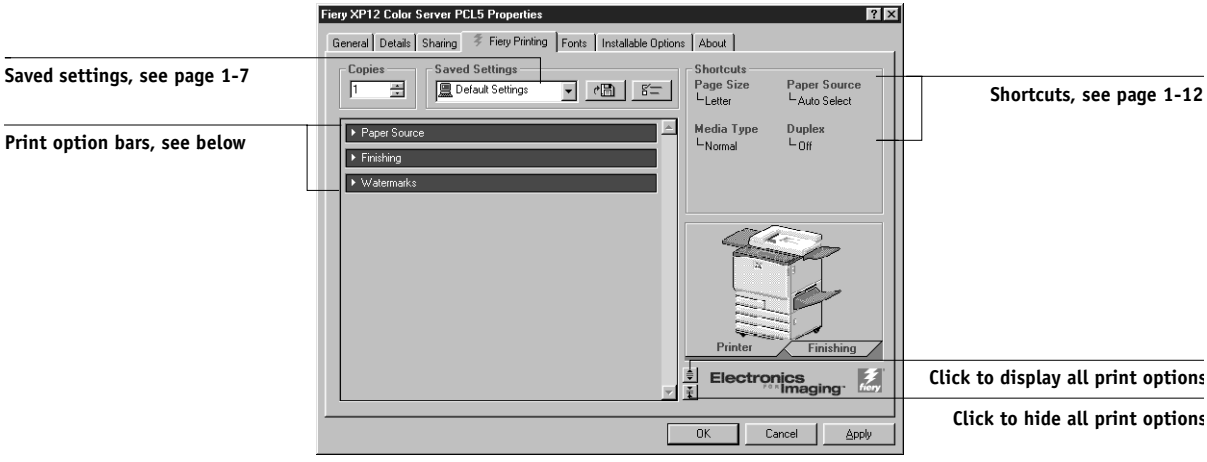
12. **Click OK.**

TO SET PRINT OPTIONS AND PRINT FROM WINDOWS 95/98 USING THE PCL PRINTER DRIVER:

1. **Click the Start button, point to Settings, and click Printers.**

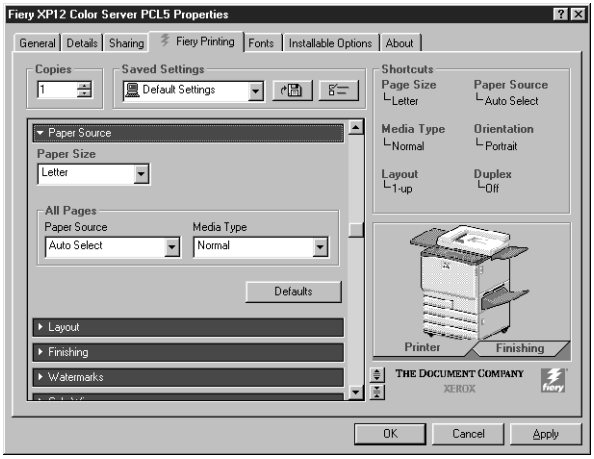
2. **Select the icon for the Fiery and choose Properties from the File menu.**

3. **Click the Fiery Printing tab.**



The Fiery Printing tab serves as the control center for all frequently used printing functions.

4. **Click the Paper Source print option bar.**



In the **Paper Size** area, specify the page size for the job.

From the **Paper Source** pop-up menu, choose the paper tray for the job. For example, you can specify that the job should be printed on pages from Tray 4.

In the **Media Type** area, specify the type of media to use for the job.

For more information on these and other print options, see Appendix A.

NOTE: If paper loaded in the selected tray is a different size, orientation, and/or media type than that of the job you are sending, the Fiery displays an error message and the job might not print. You should then load the correct paper in the selected tray or cancel the job.

5. **Click the Finishing and Watermarks print option bars to specify the appropriate settings for the print job.**

These print options are specific to the Fiery and the copier. They override settings specified in Fiery Printer Setup, but can be overridden from the Command WorkStation or the Fiery WebSpooler. For information about these options and overrides, see Appendix A.

If you choose **Printer's default**, the job prints according to the settings entered during Setup, or the default settings. See Appendix A for more information.

Some options can also be set from an application (for example, Reverse Page Order or Collation). In these cases, use the driver option to perform the function, rather than setting it from the application. The application may not set up the file properly for printing on the Fiery and may also take longer to process.

NOTE: If you specify incompatible print settings, the Conflict dialog box may appear. Follow the on-screen instructions to resolve the conflict.

6. **If you want to make the new settings the default settings for all jobs printed from your Windows 95/98 computer, click Apply.**

7. **Click OK.**

8. **From your application, choose Print.**

   Make sure the Fiery is selected as your current printer.

9. **Click OK.**

Using saved settings

Print option settings can be saved on your hard disk so you can easily load specifically configured settings for a particular job. Settings files can also be shared over a network, using the Import and Export features.

NOTE: Although the user interface differs slightly, the following procedures are the same for both PostScript and PCL drivers, in both Windows 95/98 and Windows NT 4.0. The following examples show the Windows 95/98 PostScript driver.

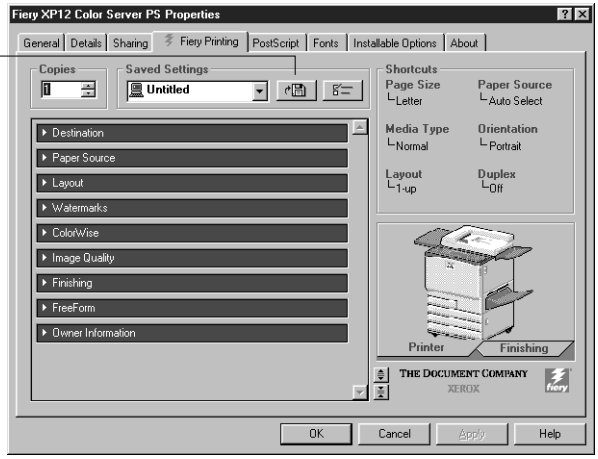
TO CREATE SAVED SETTINGS:

1. **Make sure Default Settings appears in the Saved Settings pop-up menu, then configure the options from all the print option bars.**

   As soon as you change any settings, the Saved Settings menu displays **Untitled** instead of **Default Settings**.

2. **Click the Disk button.**

Click the Disk button



3. **Enter a Settings Name and click OK.**

The name appears in the Saved Settings pop-up menu.

TO LOAD SAVED SETTINGS:

1. **From the Fiery Printing tab, click the Saved Settings pop-up menu.**

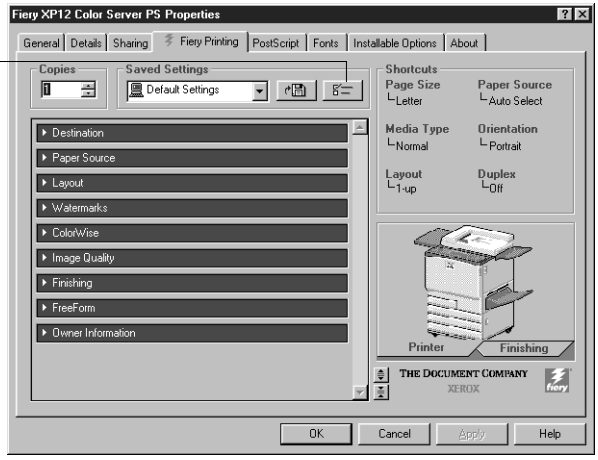
2. **Choose the settings you want to use.**

   The options are automatically configured with the saved settings.

TO DELETE SAVED SETTINGS:

1. **From the Fiery Printing tab, click the Settings button.**

Click the Settings button



2. **Select the settings you want to delete and click Delete.**
3. **Click Yes to confirm deletion, then click OK.**

TO MODIFY SAVED SETTINGS:

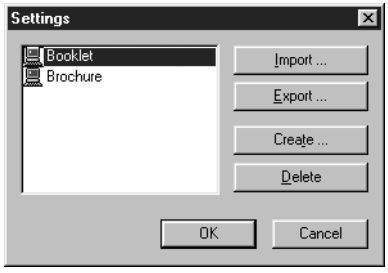
1. **From the Fiery Printing tab, click the Saved Settings pop-up menu.**
2. **Choose the settings you want to modify.**

   The options are automatically configured with the currently saved settings.
3. **Configure your new settings from the print option bars, then click the Disk button.**
4. **Click OK to save the modified settings.**

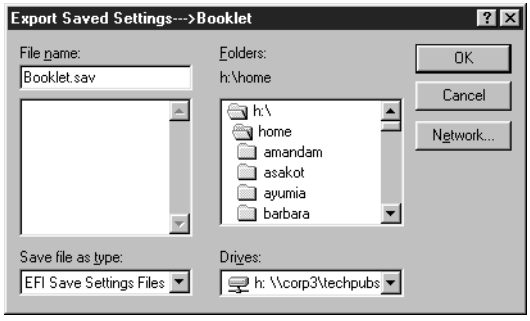
TO EXPORT SAVED SETTINGS:

1. **From the Fiery Printing tab, click the Settings button.**

2. **Select the Saved Settings you want to export, then click Export.**



3. **Browse to the location where you want to save the file, enter a file name, and then click OK.**

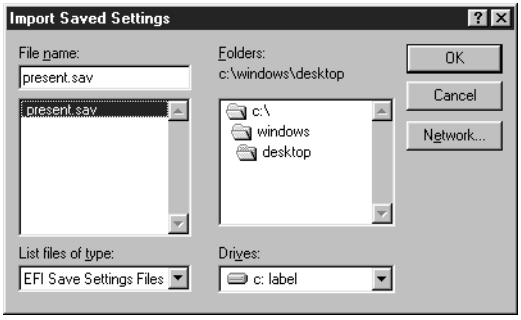


NOTE: The file name must include the .sav extension and can be up to eight characters long (not including the extension). The file name does not have to match the Settings Name.

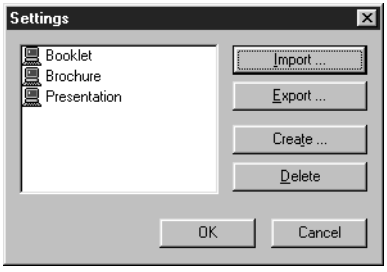
4. **Click OK in the Settings dialog box.**

TO IMPORT SAVED SETTINGS:

1. **From the Fiery Printing tab, click the Settings button.**
2. **Click the Import button.**
3. **Browse to the location of the saved settings file you want to import.**
4. **Select the file, then click OK.**



5. **Click OK in the Settings dialog box.**



NOTE: When you import saved settings, they appear in the Saved Settings menu under their Settings Name, not the file name. In the example above, the file present.sav (file name) was imported, but it appears in the Saved Settings menu as Presentation (Settings Name).

Using Shortcuts

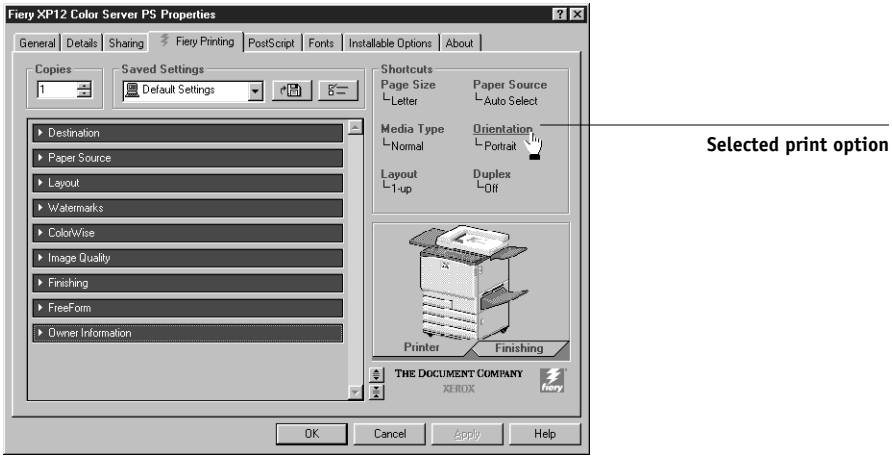
The Shortcuts section of the driver interface displays the current settings for some of the most common print options. You can access and change these settings quickly and easily using the Shortcuts. You can also access some page layout and finishing options by clicking the Finishing tab, then right-clicking the image of the page directly below Shortcuts (PostScript drivers only).

NOTE: Although the user interface differs slightly, the following procedures are the same for both PostScript and PCL drivers, in both Windows 95/98 and Windows NT 4.0. The following examples show the Windows 95/98 PostScript driver.

TO SET PRINT OPTIONS USING SHORTCUTS:

1. **From the Fiery Printing tab, place your cursor over the print option you want to set.**

   When your cursor is directly over the print option name, the cursor turns into a hand and the option name is underlined; see the Orientation print option in the example below.



2. **Click the selected print option and specify the appropriate settings.**

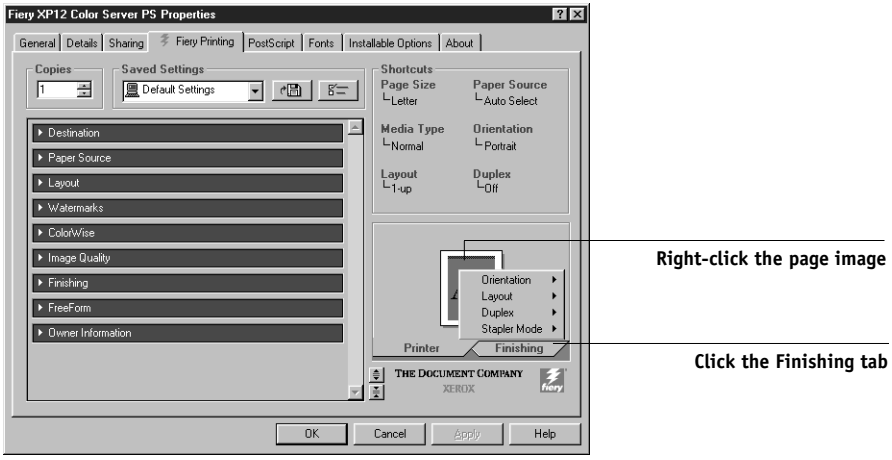
   Alternatively, you can right-click the print option and specify the settings directly.

3. **Click Apply to make the new settings the default.**

4. **Click OK.**

TO SET PRINT OPTIONS USING THE PAGE SHORTCUTS:

1. **From the Fiery Printing tab, click the finishing tab, then place your cursor over the page image and right-click.**



NOTE: Page shortcuts are only available from the PostScript drivers.

2. **Specify the appropriate settings for the print options.**

3. **Click Apply to make the new settings the default.**

4. **Click OK.**

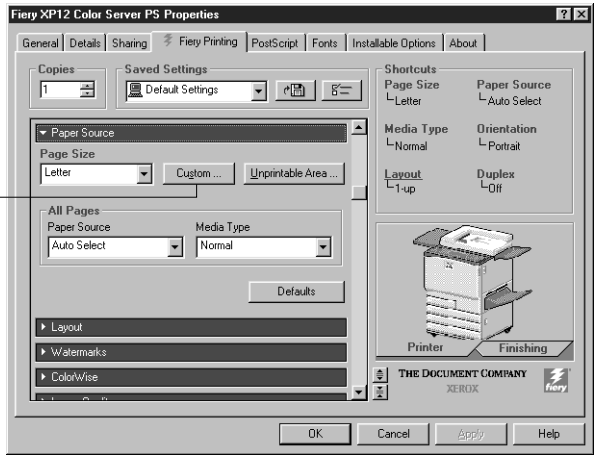
Working with custom page sizes in Windows 95/98

With custom page sizes, you define the page dimensions and the unprintable area of the page. You can save three different custom page sizes for easy use any time you print.

NOTE: Custom page sizes are *not* available from Windows NT 4.0. Although the user interface differs slightly, the following procedures are the same for both PostScript and PCL drivers for Windows 95/98. The following examples show the Windows 95/98 PostScript driver.

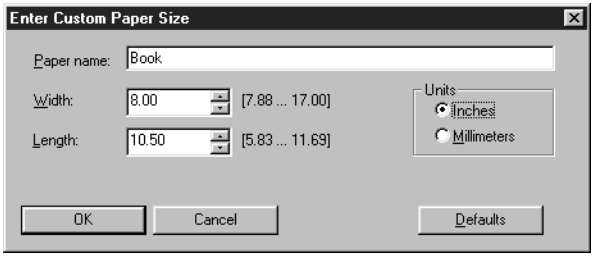
TO DEFINE A CUSTOM PAGE SIZE:

1. **Click the Start button, point to Settings, and then choose Printers.**
2. **Right-click the Fiery icon, then choose Properties.**
3. **Click the Fiery Printing tab, then click the Paper Source print option bar.**
4. **Click the Custom button.**



Click Custom

5. **Enter the name and the dimensions of the page, then click OK.**



The new custom page name appears in the **Page Size** pop-up menu.

6. **To define the unprintable area of the custom page, click the Unprintable Area button, enter the desired information, then click OK.**
7. **Click OK.**

After you define a custom page size, you can use it from within an application, without having to redefine it each time you print.

TO PRINT A CUSTOM PAGE SIZE:

1. **Choose Print from your application.**
2. **Make sure the Fiery is selected as the printer, then click Properties.**
3. **Click the Fiery Printing tab, then click the Paper Source print option bar.**
4. **Select the custom page size from the Page Size pop-up menu.**
5. **Click OK, and then click OK again to print the job.**

Setting options and printing from Windows NT 4.0

You can print from Windows NT 4.0 using the PCL printer driver or Adobe PostScript printer driver, both of which are included on the User Software CD.

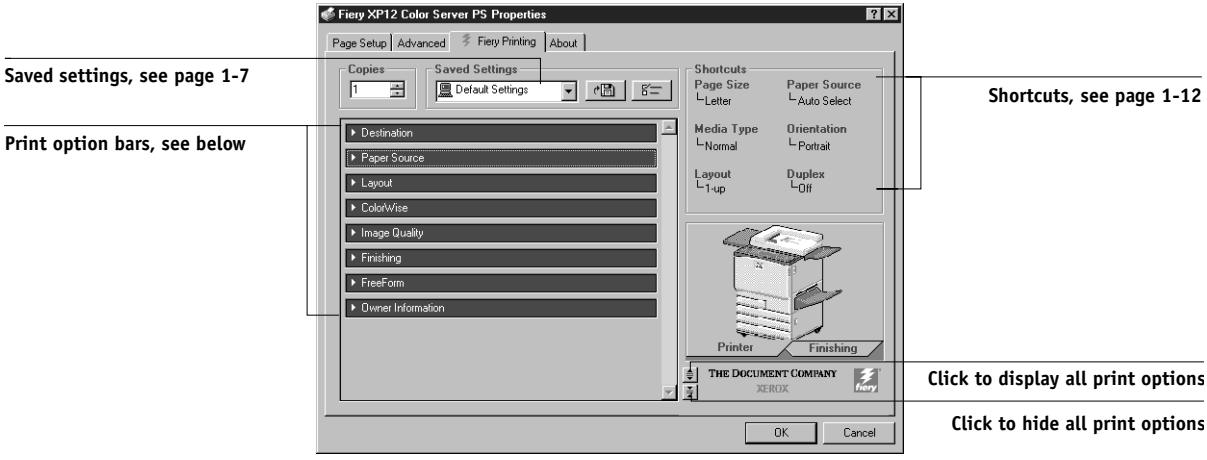
Once you have installed the PCL printer driver and PDD file or the Adobe PostScript printer driver and PPD file, you can specify print options.

The procedures for setting options and printing are different depending on which printer driver you use (PCL or PostScript). Procedures for the PostScript printer driver appear below and procedures for the PCL printer driver start on page 1-20.

With the Adobe PostScript printer driver, you can set options on a job-by-job basis (see below), or establish default settings for all jobs printed from your computer to the Fiery (see page 1-18).

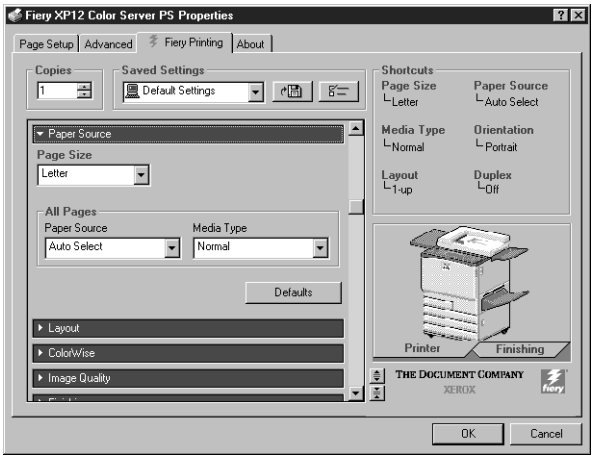
TO SET PRINT OPTIONS FOR A SPECIFIC WINDOWS NT 4.0 PRINT JOB USING THE ADOBEPS PRINTER DRIVER:

1. **Choose Print in your application.**
2. **Make sure the Fiery is selected as your printer and click Properties.**
3. **Click the Fiery Printing tab.**



The Fiery Printing tab serves as the control center for all frequently used printing functions.

4. **Click the Paper Source print option bar and specify the appropriate settings for the print job.**



In the **Page Size** area, specify the page size for the job.

From the **Paper Source** pop-up menu, choose the paper tray for the job. For example, you can specify the job should be printed on pages from Tray 4.

In the **Media Type** area, specify the type of media to use for the job.

For more information on these and other print options, see Appendix A.

NOTE: If paper loaded in the selected tray is a different size, orientation, and/or media type than that of the job you are sending, the Fiery displays an error message and the job might not print. You should then load the correct paper in the selected tray or cancel the job

5. **Click the Destination, Layout, ColorWise, Image Quality, Finishing, and FreeForm print option bars to specify the appropriate settings for the print job.**

These print options are specific to the Fiery and the copier. They override settings specified in Fiery Printer Setup, but can be overridden in the Command WorkStation Properties dialog box, or in the Fiery WebSpooler or Fiery Spooler Override Print Settings dialog box. For information about these options and overrides, see Appendix A.

If you choose **Printer's default**, the job prints according to the settings entered during Setup, or the default settings. See Appendix A for more information.

NOTE: Some options can also be set from an application (for example, Reverse Page Order or Collation). In these cases, use the driver option to perform the function, rather than setting it from the application. The application may not set up the file properly for printing on the Fiery and may also take longer to process.

6. **Click the Owner Information print option bar.**

7. **Enter text messages in the Notes 1 and Notes 2 areas.**

   Enter user and job identification information for accounting purposes, or whatever information is required at your site.

   The information you enter in these areas can be viewed by the operator at the Command WorkStation and also appears in the Job Log. It *cannot* be edited or erased by the operator.

8. **In the Instructions area, enter instructions to the operator about the job.**

   These instructions can be displayed at the Command WorkStation, but do not appear in the Job Log. These instructions *can* be edited by the operator.

9. **Click OK and then OK in the Print dialog box.**

TO SET DEFAULT PRINT OPTIONS FOR ALL WINDOWS NT 4.0 JOBS USING THE ADOBEPS PRINTER DRIVER:

1. **Click the Start button, point to Settings, and click Printers.**

2. **Right-click to select the Fiery and choose Document Defaults.**

3. **Click the Fiery Printing tab.**

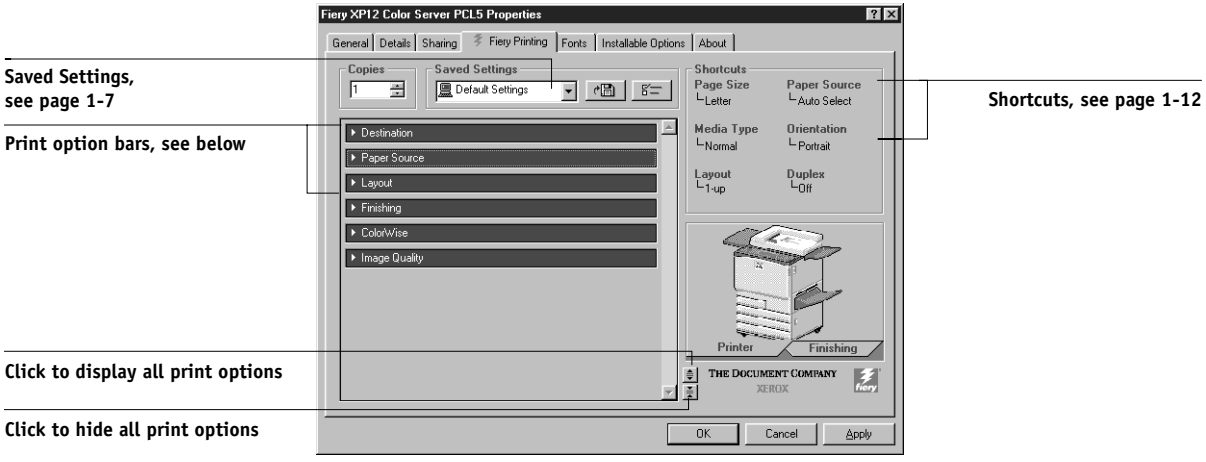
4. **Specify the appropriate default settings for all print jobs, as described starting on page 1-16.**

5. **Click OK.**

With the PCL printer driver, you can set options on a job-by-job basis (see below), or establish default settings for all jobs printed from your computer to the Fiery (see page 1-20).

TO SET PRINT OPTIONS FOR A SPECIFIC WINDOWS NT 4.0 PRINT JOB USING THE PCL PRINTER DRIVER:

1. **Choose Print in your application.**
2. **Make sure the Fiery is selected as your printer, then click Properties.**
3. **Click the Fiery Printing tab.**



The Fiery Printing tab serves as the control center for all frequently used printing functions.

4. **Click the Paper Source print option bar and specify the appropriate settings for the print job.**

   In the **Page Size** area, specify the page size for the job.

   From the **Paper Source** pop-up menu, choose the paper tray for the job. For example, you can specify that the job should be printed on pages from Tray 4.

   In the **Media Type** area, specify the type of media to use for the job.

   For more information on these and other print options, see Appendix A.

   NOTE: If paper loaded in the selected tray is a different size, orientation, and/or media type than that of the job you are sending, the Fiery LCD screen displays an error message and the job might not print. You should then load the correct paper in the selected tray or cancel the job

5. **Click the Finishing and Watermarks print option bars to specify the appropriate settings for the print job, and click OK.**

   These print options are specific to the Fiery and the copier. They override settings in Fiery Printer Setup; the settings can also be changed in the Command WorkStation Properties dialog box, or in the Fiery WebSpooler or Fiery Spooler Override Print Settings dialog box. For information about these options and overrides, see Appendix A.

   If you choose **Printer's default**, the job prints according to the settings entered during Setup, or the default settings.

   NOTE: Some PPD options can also be set from an application (for example, Reverse Order or Collation). In these cases, use the PPD driver option to perform the function, rather than setting it from the application. The application may not set up the file properly for printing on the Fiery and may also take longer to process.

6. **Click OK in the Print dialog box.**

TO SET DEFAULT PRINT OPTIONS FOR ALL WINDOWS NT 4.0 JOBS USING THE PCL PRINTER DRIVER:

1. **Click the Start button, point to Settings, and click Printers.**
2. **Right-click to select the Fiery and choose Document Defaults.**
3. **Click the Fiery Printing tab.**
4. **Specify the appropriate default settings for all print jobs, as described starting on page 1-19**
5. **Click OK.**

Printing to the parallel port

The Fiery has a parallel port that enables you to print most files directly from a Windows computer if your network administrator has connected the Windows computer's parallel port to the Fiery parallel port.

NOTE: You cannot use Fiery Downloader through the parallel port.

TO PRINT FILES TO THE PARALLEL PORT:

1. **Make sure the parallel port is enabled on the Fiery.**

   Check with your site administrator or operator to see whether printing to the parallel port is enabled. See *Getting Started* for information on setting up parallel port printing on your Windows computer.

2. **Select the printer port that is connected to the Fiery parallel port.**

   Select one of the local ports: **LPT1**, **LPT2**, or **LPT3**. For instructions, see your Windows documentation.

3. **Print from within your application.**

Saving files to print at a remote location

If you do not have a Fiery and are preparing files to take to a service bureau or other location, print the final files to the File port (as opposed to one of the local ports). You can also print to the File port to create a file to download using Fiery Downloader or WebDownloader. For instructions on printing to the File port, see your Windows documentation.

Printing with Fiery Downloader or WebDownloader

Downloading files with Fiery Downloader or WebDownloader is generally faster than printing from application software. You can use Fiery Downloader or WebDownloader to print PCL, PostScript, EPS, or PDF files.

TO PRINT USING FIERY DOWNLOADER:

1. **Create a PCL, PostScript, EPS, or PDF file. Specify the appropriate print options and include (embed) any necessary fonts that are not resident on the Fiery.**

   For a list of fonts resident on the Fiery, see Appendix B.

2. **Launch Fiery Downloader and connect to the Fiery.**

   For instructions on setting up Fiery Downloader, see *Getting Started*.

3. **Select the file(s) you want to download, and specify any necessary options.**

4. **Click Download File(s).**

   For details, see Chapter 5, "Downloading Files and Fonts."

TO PRINT USING WEBDOWNLOADER:

1. **Create a PCL, PostScript, EPS, or PDF file. Specify the appropriate print options and include (embed) any necessary fonts that are not resident on the Fiery.**

   For a list of fonts resident on the Fiery, see Appendix B.

2. **Launch Fiery WebTools and click WebDownloader.**

   See "Fiery WebTools" on page 6-1 for information on accessing WebDownloader.

3. **Select the queue and the file you want to download.**

4. **Click Download.**

Chapter 2: Printing from Mac OS Computers

You can print to the Fiery just as you would print to any other printer from any application software. First, select the Fiery as the current printer in the Chooser, and then print the file from within the application.

Another way to print from a Mac OS computer is to download PostScript, Encapsulated PostScript (EPS), or Portable Document Format (PDF) files using Fiery Downloader or WebDownloader. Basic instructions are provided at the end of this chapter.

Printing from applications

Before you can print to the Fiery from applications, you must select the Fiery in the Chooser. Then, using the Adobe PostScript printer driver and the correct PostScript Printer Description file (PPD), you can control many Fiery printing features by specifying job settings from print dialog boxes.

For information on achieving the best printing results from specific applications, see the *Color Guide*.

Selecting the Fiery in the Chooser

Before you print a job, make sure the Fiery is the currently selected printer.

NOTE: For information about setting up the Fiery in the Chooser, see *Getting Started*.

TO SELECT THE FIERY AS THE CURRENT PRINTER:

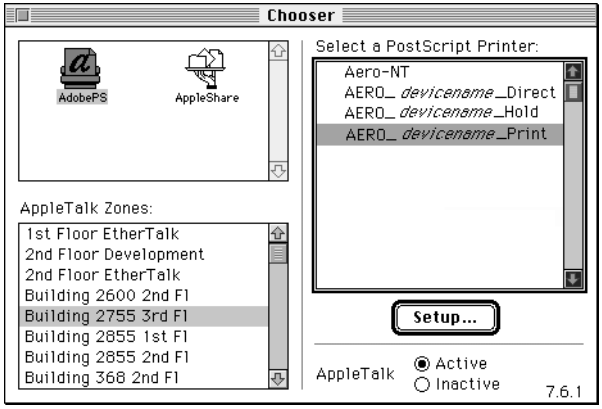
1. **Make sure the Fiery is connected to the network and turned on.**
2. **Choose Chooser from the Apple menu.**
3. **Click the AdobePS icon to select it.**

   NOTE: Make sure AppleTalk is set to Active.

4. **If your network is divided into zones, select the zone in which the Fiery is located.**

5. **Select the Fiery by <Server Name>_<Device Name>_<Queue Name> from the "Select a PostScript Printer" list.**

   The names of all supported printers in the zone appear in the scroll list on the right.



NOTE: If your system administrator has not enabled the connection to the Print queue or the Direct connection, the corresponding names will *not* appear in this list. For example, if your site has an operator who controls the flow of print jobs from the Command WorkStation, you may be able to print only to the Hold queue. See the *Configuration Guide* for more information on enabling printer connections.

6. **Close the Chooser window.**

   The Fiery remains selected as the current printer until you choose a new printer in the Chooser.

Setting options and printing from Mac OS computers

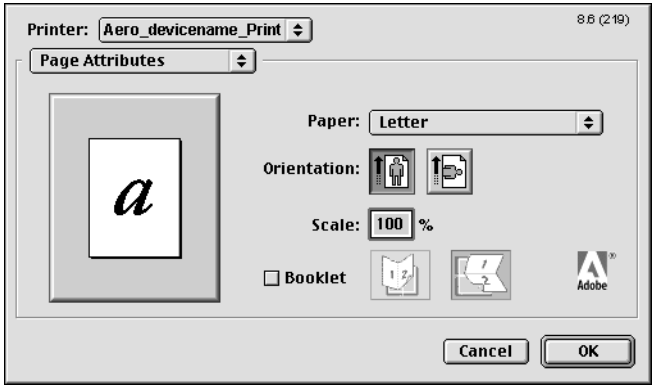
In Mac OS applications, print options are set from both the Page Setup dialog box and the Print dialog box. For details on specific print options, see Appendix A, "Print Options."

NOTE: Some default print options are set by the administrator during Setup. Check with the administrator or the operator for information on the current server default settings.

TO SET PRINT OPTIONS AND PRINT WITH THE ADOBEPS PRINTER DRIVER:

1. **Open a file and choose Page Setup from the application's File menu.**
2. **In the dialog box that appears, specify the Page Attributes settings for your print job.**

   Make sure to select the Fiery as your printer.

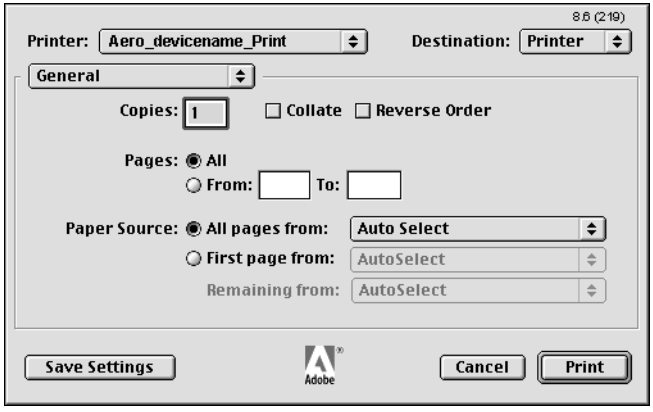


   NOTE: Page Setup dialog boxes vary across applications.

3. **Click OK.**

4. **Choose Print from the application's File menu.**

   Make sure the Fiery is selected as your printer and specify settings for the print options displayed.

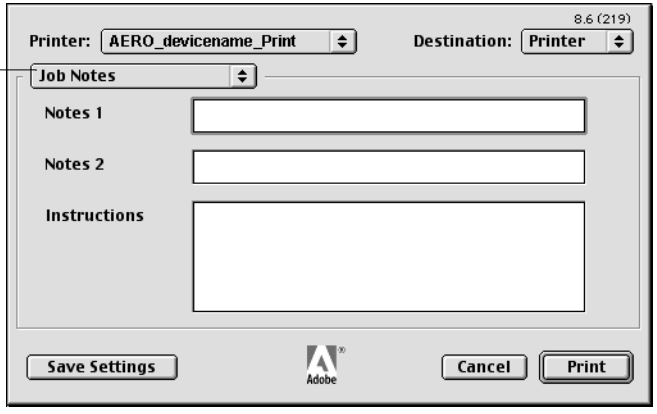


   NOTE: Print dialog boxes vary across applications.

   From the **Paper Source** pop-up menu, choose the paper tray for the job. For example, you can specify that the job should be printed on pages in Tray 1.

   NOTE: If paper loaded in the selected tray is a different size, orientation, and/or media type than that of the job you are sending, the Fiery displays an error message and the job will not print. You should then load the correct paper in the selected tray or cancel the job.

5. **Go to Job Notes.**



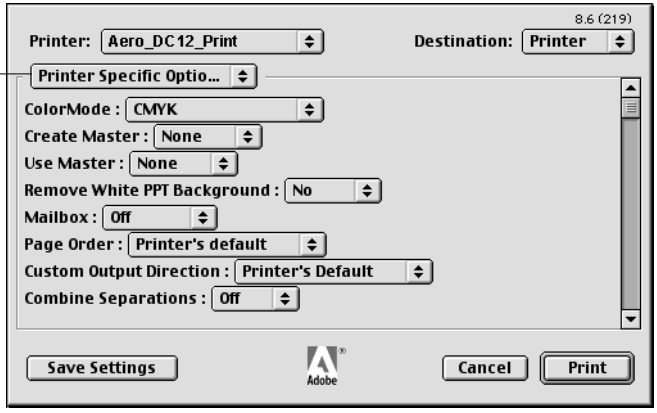
Choose Job Notes from the pop-up menu

In the **Notes 1** and **Notes 2** areas, enter user and job identification information for accounting purposes, or whatever information is required at your site. These notes will appear in the Job Log; they can also be viewed by the operator at the Command WorkStation. These notes *cannot* be edited or erased by the operator.

In the **Instructions** area, enter instructions to the operator about the job. These instructions can be displayed at the Command WorkStation, but do not appear in the Job Log. These instructions can be edited by the operator.

6. **Go to Printer Specific Options and specify the appropriate settings for your print job.**

Choose Printer Specific Options from the pop-up menu



These print options are specific to the Fiery and the copier (you may need to scroll to see all the options). They override settings in Fiery Setup, but can be changed from the Command WorkStation, or from the Fiery WebSpooler or Fiery Spooler. For information about these options and overrides, see Appendix A, "Print Options."

If you choose **Printer's default**, the job prints according to the settings entered during Setup, or the default settings. See Appendix A, "Print Options." for more information.

Some PPD options can also be set from an application (for example, Reverse Order printing or Collation). In these cases, use the PPD option to perform the function, rather than setting it from the application. The application may not set up the file properly for printing on the Fiery and may also take longer to process.

NOTE: If you specify incompatible print settings, a dialog box may appear. Follow the on-screen instructions to resolve the conflict.

7. **If you want to make the new settings the default settings, click Save Settings.**

8. **Click Print.**

NOTE: The Fiery does not support printing the Cover Page from the AdobePS printer driver.

Defining custom page sizes

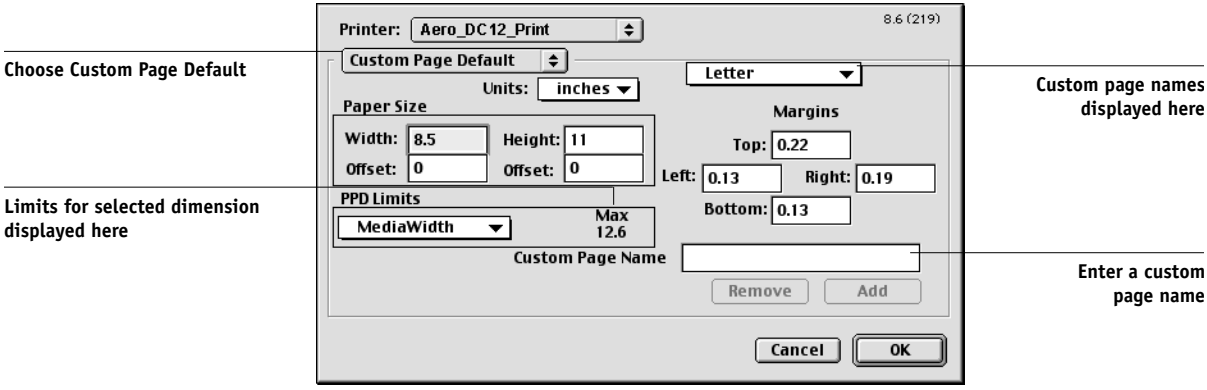
With custom page sizes, you define the page dimensions and margins. After you define a custom page size, you can use it from within an application, without redefining it each time you print.

TO DEFINE A CUSTOM PAGE SIZE:

1. **Choose Page Setup from the application's File menu.**

2. **For Paper, choose Custom.**

3. **From the pull-down menu under "AdobePS Page Setup," choose Custom Page Default.**



4. **Enter the page dimensions and margins.**

You can view the minimum and maximum sizes by using the pull-down menu under PPD Limits.

5. **To save this custom page size, enter a name for it, and click Add.**

   Saved custom page sizes appear in the menu of page sizes at the top right of the dialog box. To remove a saved custom page size, select it from the menu and click Remove.

6. **Click OK.**

Printing with Fiery Downloader or WebDownloader

Downloading files with Fiery Downloader or WebDownloader is generally faster than printing from an application. You can use Fiery Downloader or WebDownloader to print PostScript, EPS, or PDF files.

TO PRINT USING FIERY DOWNLOADER:

1. **Create a PostScript, EPS, or PDF file. Specify the appropriate print options and include (embed) any necessary fonts that are not resident on the Fiery.**

   For a list of fonts resident on the Fiery, see Appendix B, "Font List."

2. **Launch Fiery Downloader and connect to the Fiery.**

   For instructions on setting up Fiery Downloader, see *Getting Started*.

3. **Select the file(s) you want to download and specify any necessary options.**

4. **Click Download.**

   For details, see Chapter 5, "Downloading Files and Fonts."

TO PRINT USING WEBDOWNLOADER:

1. **Create a PostScript, EPS, or PDF file. Specify the appropriate print options and include (embed) any necessary fonts that are not resident on the Fiery.**

   For a list of fonts resident on the Fiery, see Appendix B, "Font List."

2. **Launch Fiery WebTools and click on WebDownloader.**

   See "Fiery WebTools" on page 6-1 for information on how to access WebDownloader.

3. **Select the queue and the file you want to download.**

4. **Click Download.**

Chapter 3: Printing from UNIX Workstations

You can print to the Fiery directly from UNIX workstations. Jobs printed to the Fiery are sent to the Print or Hold queue and can be manipulated from the Command WorkStation, or from Windows and Mac OS computers on the network, using Fiery WebSpooler or Fiery Spooler.

NOTE: If you print to the Hold queue, an operator must intervene from the Command WorkStation, Fiery Spooler, or Fiery WebSpooler for the job to print; jobs sent to the Hold queue are spooled to disk and held.

The queue name and Fiery printer name are determined by your system administrator. Contact your system administrator for the names of your queues.

For information about setting up printing from TCP/IP, see your UNIX system documentation.

Printing to the Fiery

You can use UNIX commands to print PostScript and text files to the Fiery. In general, use basic print commands (lpr, lpq, lprm) to send print jobs to a Fiery. See UNIX manual pages or other documentation for information about UNIX commands.

NOTE: Only PCL, PostScript, or text files can be printed from UNIX.

TO PRINT FROM UNIX:

- **On a system running SunOS 4.1.x or another BSD-based variant, use the lpr command to send a job to the Fiery as follows:**

  lpr <-P*printer*> <-#*copies*> <*filename*>

  For example, if the Print queue of your Fiery is named print_Server, your file is named Sample, and you want to print two copies, type:

  lpr -Pprint_Server -#2 Sample

- **On a system running Solaris 2.x or any System V implementation of UNIX, use the lp command to send a job to the Fiery as follows:**

  lp -d <*printername*> {-n <*copies*>} <*filename*>

  For example, if the Print queue of your Fiery is named print_Server, your file is named Sample, and you want to print two copies, type:

  lp -d print_Server -n 2 Sample

TO DISPLAY A LIST OF JOBS IN THE QUEUE:

- **On a system running SunOS 4.1.x or another BSD-based variant, use the lpq command to see printer jobs in the queue as follows:**

  lpq <-P*printer*>

  For example, if the Print queue of your Fiery is named print_Server, type:

  lpq -Pprint_Server

  Your workstation displays the contents of the queue.

- **On a system running Solaris 2.x or any System V implementation of UNIX, use the lpstat command to see printer jobs in the queue as follows:**

  lpstat -o <*printername*>

  For example, if the Print queue of your Fiery is named print_Server, type:

  lpstat -o print_Server

  Your workstation displays the contents of the queue.

TO REMOVE JOBS FROM THE QUEUE:

NOTE: Unless you log in as the root user, you can remove only your own jobs.

- **On a system running SunOS 4.1.x or another BSD-based variant, use the lprm command to remove jobs from the queue as follows.**

  lprm <-P*printer*> <*job #…*>

  You can use the lpq command to check the job number.

  For example, to remove job number 123 from the Print queue of your Fiery named print_Server, type:

  lprm -Pprint_Server 123

  The lprm command reports the names of any files it removes.

- **On a system running Solaris 2.x or any System V implementation of UNIX, use the cancel command to remove jobs from the queue.**

  cancel <*printername*> <*job ID*>

  For example, to remove job number 123 from the Print queue of your Fiery named print_Server, type:

  cancel print_Server 123

Chapter 4: Special Features

This chapter describes some of the special features supported by the Fiery, including:

- Printing variable data documents using FreeForm™ (Fiery XP12 only)

  This option is also available for Fiery X12 servers equipped with the optional Fiery Advanced Controller Interface kit.

- Printing simulations
- Printing duplex pages
- Scanning images from the copier using Fiery Scan

XP12 Printing variable data documents with FreeForm

Variable data printing is typically used for direct-mail advertising or other targeted mailings. It involves combining a set of master elements that are common across copies of a document with a set of variable elements that change from copy to copy. An example is a brochure that greets customers by name and may include other personal information about the customer obtained from a marketing database. Background elements, illustrations, and text blocks that do not change across copies of the brochure comprise the master elements. The customer's name and other customer-specific information comprise the variable elements.

How FreeForm works

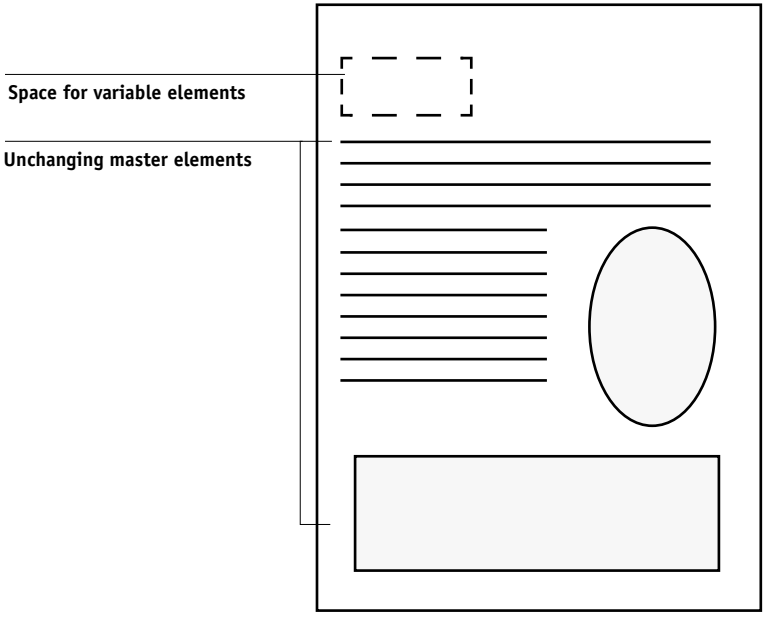
The basic premise of FreeForm variable data printing is that the master-element data for the job can be sent to the Fiery and rasterized separately from the variable-element data. The master-element data is stored on the Fiery in prerasterized form as a FreeForm Master, and can be used as often as needed with multiple sets of variable-element data. Because the FreeForm Master job is preRIPped and stored on the Fiery, the only RIP time required for variable data print jobs is the time needed to RIP the variable-element data. In fact, FreeForm Masters can be used for any fixed-element data that you might combine with different data from day to day. For example, a letterhead template can be stored as a FreeForm Master and used repeatedly as the background for different letter content (the variable-element data).

FreeForm allows you to create the master-element and variable-element documents using any application you wish. The two documents can be created using different applications, or even different computer platforms. To create the master-elements document, you can use a page layout or graphics application. To create the variable-elements document, you can use a word processing application that has a mail merge feature, a page layout application that supports scripting, or a database application.

FreeForm functions are controlled with two print options: Create Master and Use Master. You can set these options in the printer driver when you send a job, or you can instruct the operator to set them with job overrides from the Command WorkStation, Fiery Spooler, or Fiery WebSpooler.

Creating the master-elements document

Before you can use FreeForm, you must create a master-elements document and a variable-elements document. This includes creating the layout for the combined document, as well as the elements themselves. In a page layout or graphics program, you arrange the master elements (text and graphics that do not change) on one or more pages, leaving space for the variable elements.



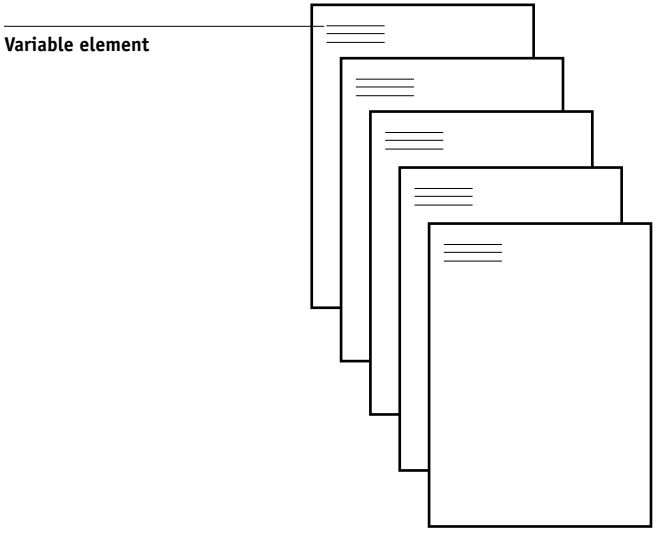
Master-elements document

When you have finalized the design of the master-elements document, print it to the Fiery and specify that a FreeForm Master is to be created from the job (see page 4-6).

NOTE: Although the Fiery can store up to 100 FreeForm Masters, the printer driver interface, Fiery WebSpooler, and Fiery Spooler allow you to select numbers 1 through 15 only. To create a FreeForm Master with a number greater than 15, the operator must set the Create Master and Use Master options and RIP the job from the Command WorkStation.

Creating the variable-elements document

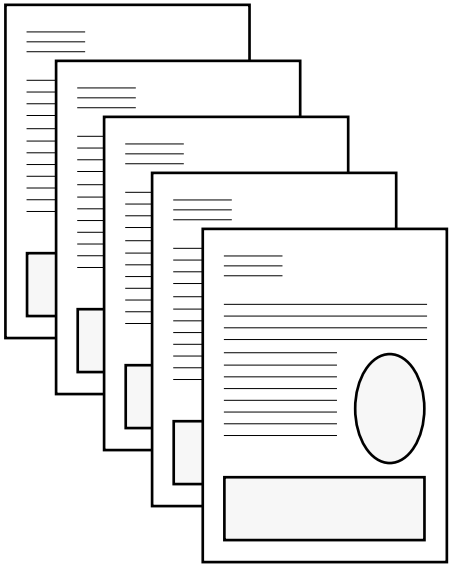
You can create the variable-elements document with a word processing application that provides a mail merge function, a database application, or a page layout application that supports scripting. In all cases, information is taken from a list or database and merged into an existing document that is set up to accept the information. Each application has different controls for this function; see the application documentation for detailed instructions. Before the variable elements can be added to the master-elements document, they must be formatted to conform to the layout of the master-elements document. This is done by creating a document with the correct formatting and then adding the variable information in the appropriate places.



When you have created the variable-elements document, print it to the Fiery and specify that it should be combined with the corresponding FreeForm Master.

Combining the FreeForm Master with the variable-elements document

When you print the variable-elements document to the Fiery, you specify the FreeForm Master created from your master-elements document with the Use Master print option. The Fiery combines the raster data of the variable-elements document with the preRIPped FreeForm Master, creating a new raster data file. The merged raster file can be soft-proofed (before it is printed) in the Thumbnail windows of the Command WorkStation, Fiery Spooler, or Fiery WebSpooler.



Combined document

Using FreeForm

This section provides some suggestions to help you print variable data jobs correctly.

- Consult your administrator or operator on how FreeForm Master numbers are assigned at your site.

  If FreeForm printing is used by a large number of users at your site, FreeForm Master numbers, or ranges of numbers, may be assigned to specific users or groups. Users can select only numbers 1 through 15 as print option settings. The operator can override FreeForm Master numbers and reassign them to numbers greater than 15 from the Command WorkStation. You may want the operator to assign all FreeForm Master numbers to avoid potential conflicts in the use of FreeForm Master numbers.

- Use the Job Notes and Instructions fields to communicate instructions about your job to the operator.

  If you want to create or use a FreeForm Master number greater than 15, these fields can be used to tell the operator to override the appropriate job setting (Create Master or Use Master) and RIP the job from the Command WorkStation.

- Give your jobs unique and descriptive names.

  Both you and the operator need to be able to easily identify your jobs if there are many jobs in the queues, the FreeForm Master numbers are reassigned, or you want to refer to another job in the Job Notes or Instructions fields.

- See Appendix A, “Print Options” for restrictions on print option settings when using FreeForm.

  The following settings for the master-elements document and variable-elements document must match:

  Color Mode
  Combine Separations
  Duplex
  Page Size
  Page Order

The following settings for the variable-elements document override the corresponding settings in the master-elements document:

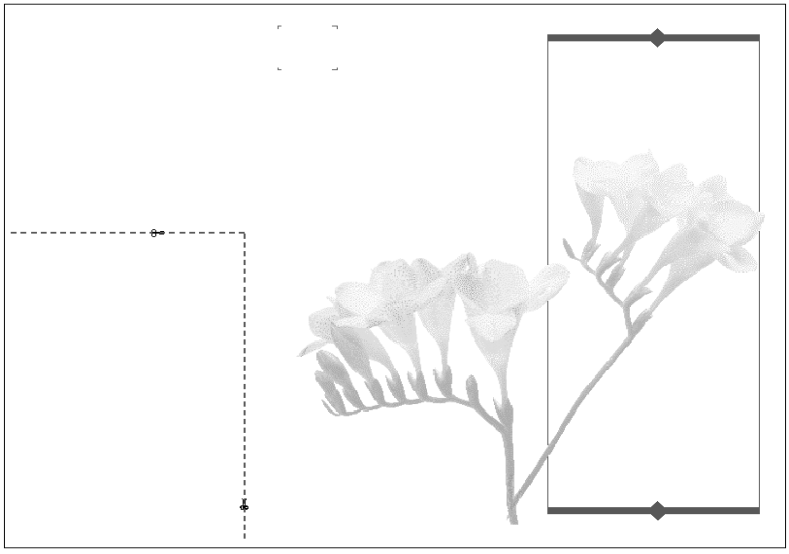
Black Detection
Collation
Media Type
Paper Source
Save Fast Reprint
Stapler Mode

TO PRINT VARIABLE DATA DOCUMENTS:

1. **Create a master-elements document.**

   The master-elements document can comprise multiple pages.

   The example below shows one page of a master-elements document for a tri-fold brochure which was created with a page layout application.



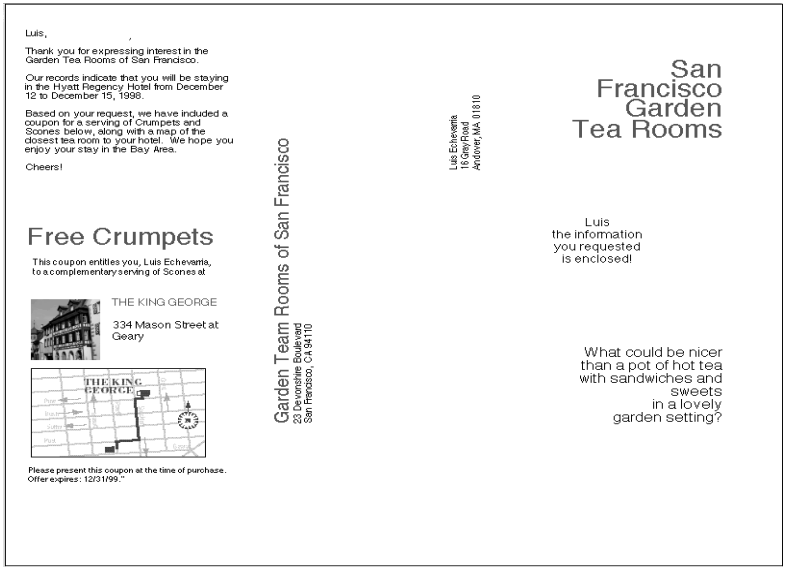
2. **Print the master-elements document to the Fiery with the Create Master print option set to one of the FreeForm Master numbers (1 through 15).**

   Or, set the Create Master option to None and instruct the operator to use overrides to create a FreeForm Master from this job.

3. **Create the variable-elements document.**

   You can create the variable-elements document using a different file, a different application, or a different computer platform than was used to create the master-elements document, but some print options must be the same (see page 4-5 for details).

   The example below shows one page of the variable-elements document for the tri-fold brochure. The data in this document can be as simple as a name and address, or as complex as multiple, full-color graphics and photographic elements.



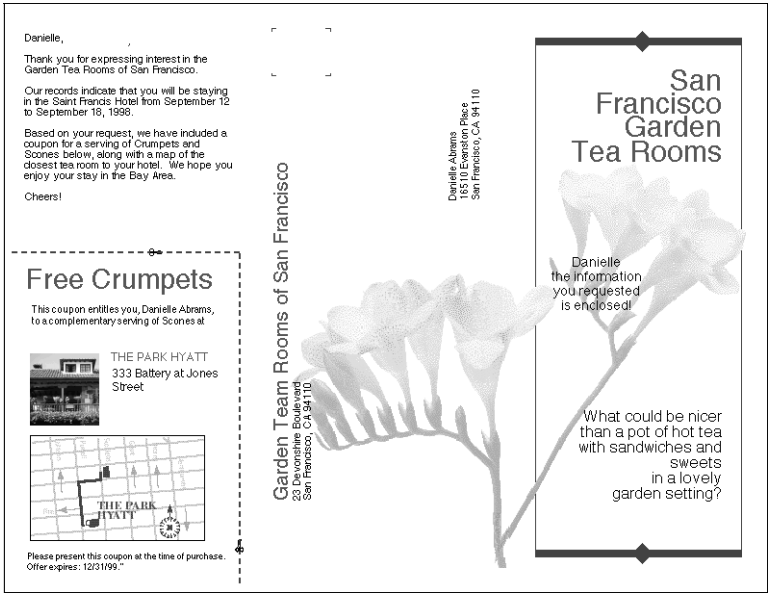
4. **Print the variable-elements document to the Fiery with the Use Master print option set to the appropriate FreeForm Master number.**

   The FreeForm Master number may be one you set yourself when you sent the master-elements document or it may be one that was assigned by the operator.

   FreeForm Master numbers can be overridden from the Command WorkStation, Fiery Spooler, or Fiery WebSpooler. Check with the operator to make sure that the FreeForm Master number you specify is the correct one for the FreeForm Master you want to use.

   If you want to check the job before it prints, instruct the operator to RIP and Hold the job so that you can preview it from the Command WorkStation, Fiery Spooler, or Fiery WebSpooler.

   The example below shows the FreeForm Master and variable-elements document combined. The variable data is simply overlaid on the master-elements document.



Printing simulations

You can use the Fiery to proof offset press jobs or to simulate the output of other print devices by specifying settings for two print options: CMYK Simulation Profile and CMYK Simulation Method. These options affect CMYK data only.

The Fiery provides CMYK Simulation targets for the major international press standards: SWOP, DIC, and Euroscale. You can also create, save, and import custom simulation profiles using ColorWise Pro Tools (see the *Color Guide*).

- When printing simulations on the Fiery, choose the CMYK Simulation Profile setting corresponding to the press standard for which the CMYK data was prepared, or choose a custom simulation profile.
- To simulate the color of a copy made from the copier glass, choose the Match Copy setting. This setting bypasses Fiery calibration.

Use the CMYK Simulation Method print option to specify the quality of simulation desired: Quick or Full. For more information, see the *Color Guide*.

Printing duplex pages

You can use the Fiery to print double-sided (duplex) pages.

TO PRINT DUPLEX PAGES:

1. **When specifying print options, set Duplex to the desired setting.**

   Top-Top prints both sides using the same top edge; **Top-Bottom** prints the back side upside-down. See “Duplex” on page A-12 for more information.

2. **Set other options and click OK.**

3. **Click Print.**

Scanning from the copier

With the Fiery Scan plug-in module for Photoshop, you can scan an image from the copier glass directly into Photoshop on your computer. You can also load pages into the copier's document feeder for scanning.

The following requirements and constraints apply:

- Fiery Scan cannot be used over the parallel port, it requires a network connection. For information on supported networking protocols, see *Getting Started*.
- The Fiery Scan plug-in must be installed as described in *Getting Started*.
- Photoshop 5.0's RGB Setup, should be using the EFIRGB ICC (Mac OS) or EFIRGB.icm (Windows) settings. See *Getting Started* for information on loading this file.

Fiery Scan color conversion settings

Fiery Scan offers two color conversion choices for scanned data:

- **Calibrated RGB** creates an RGB scan optimized for printing with Fiery Rendering Styles (CRDs) or ICC profiles, as well as for viewing on the monitor.
- **Match Copy** creates a CMYK scan that, when printed on the Fiery, looks like a copy of the original made with the copier.

Using Fiery Scan

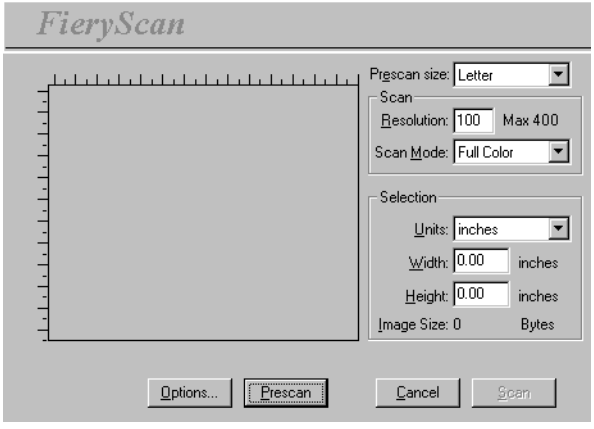
With Fiery Scan, you first create a prescan of the image; then you can select part, or all, of the prescan for final scanning.

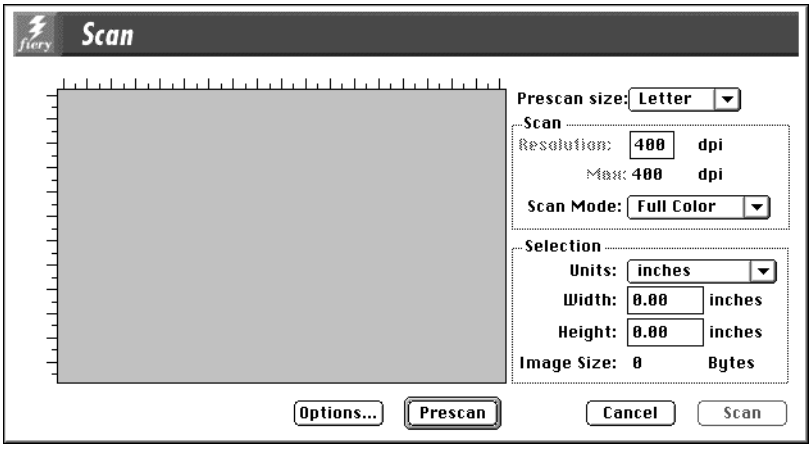
NOTE: The Windows and Mac OS versions of Fiery Scan are fundamentally the same; differences are noted in this section. Where both windows or dialog boxes are illustrated, the Windows version comes first, followed by the Mac OS version.

TO PRESCAN A DOCUMENT:

1. **Launch Photoshop.**
2. **Place the original you want to scan on the copier glass, or, if you have multiple originals, place them in the document feeder.**
3. **In Photoshop's File menu, point to Import, and click Select TWAIN_32 Source (Windows) or Fiery Twain Select (Mac OS).**
4. **Select Fiery Scan in the window that appears, and click Select (Windows) or OK (Mac OS).**
5. **In the File menu, point to Import, and click TWAIN_32 (Windows) or Fiery Twain Acquire (Mac OS).**
6. **Select the Fiery in the Chooser window, and click OK (Windows) or Connect (Mac OS).**

   If the Fiery does not appear in the Windows Chooser list, you must configure the Chooser list to communicate with the Fiery. For instructions, see *Getting Started*.
7. **Select the appropriate settings in the Fiery Scan dialog box.**





Prescan size—Choose the paper size of the original from the pop-up menu.

Resolution—Specify a value for the resolution. Changing the resolution also changes the image size. The maximum resolution supported by the Fiery appears in the dialog box.

Scan Mode (**Full Color, Grayscale,** or **Black & White**)—Specify the type of scan you want.

8. **Click Prescan.**

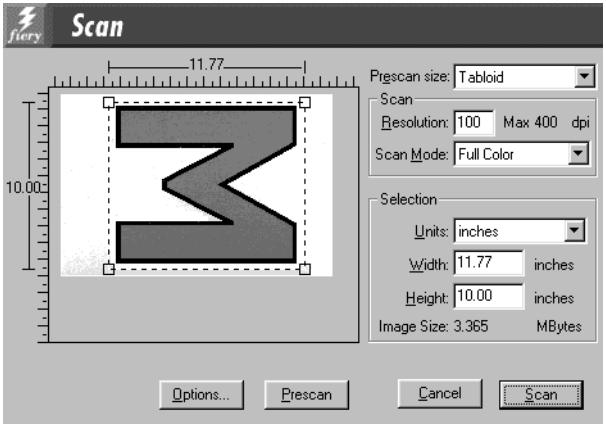
   The prescan image appears on the left side of the dialog box.

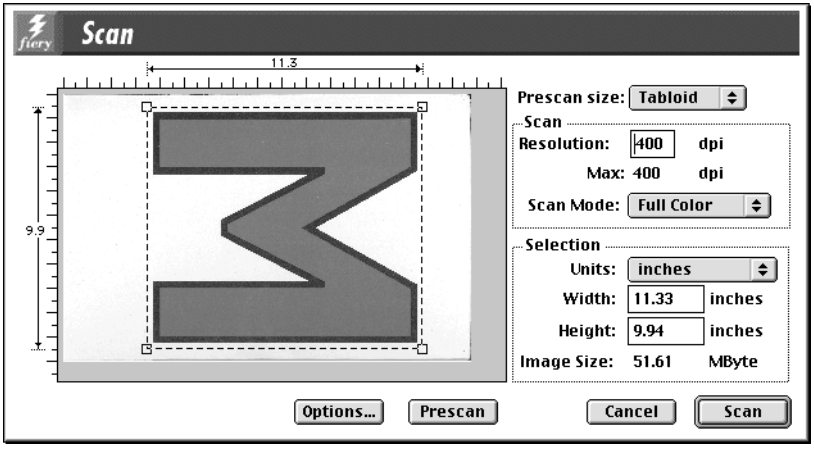
   If you are using the document feeder, the Fiery advances and scans one page for each Prescan request.

   NOTE: After prescanning, you must complete the scan before the Fiery is able to begin RIPping and printing any new jobs.

TO SELECT OPTIONS AND COMPLETE THE SCAN:

1. **Drag the cursor to select the area of the prescan image you want to acquire, or enter the area to acquire in the Selection area.**





In the Selection area, you can specify:

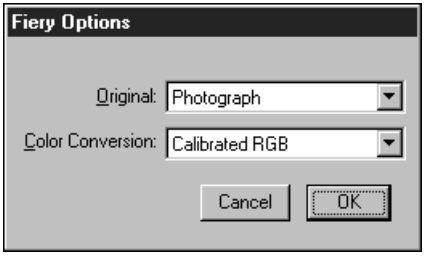
Units (**inches, centimeters, picas, points, ciceros,** or **pixels**)—Specify the ruler units that appear around the preview image.

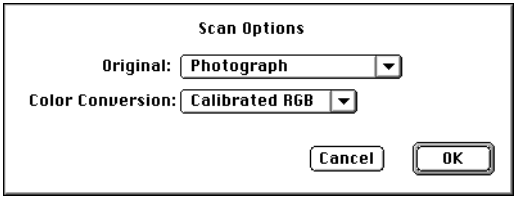
Width and **Height**—Enter the width and height of the area to scan or select an area of the page using the selection marquee. If you use the marquee to select the scan area, the dimensions appear in these text boxes. If you do not specify a scan area, the default is to acquire the entire scan.

To select a portion of the image using the marquee, you can move the selection marquee around by positioning the Hand tool inside the marquee and dragging the marquee to a new location. You can change the size of the frame by clicking and dragging one of the handles on the corners of the selection frame. If you want to deselect the area you have selected, double-click anywhere.

The Fiery scans at a maximum resolution that is dependent on the size of the selected area. When you select an area to be scanned, Fiery Scan displays the maximum resolution possible for that area. You can enter a dpi value which is less than the maximum resolution.

2. **Click Options to display the Fiery Options dialog box (Windows) or Scan Options dialog box (Mac OS).**





Original—Select the resampling interpolation method to use. In general, you should choose **Photograph** if you are scanning a continuous tone photographic image and **Offset Print or Copy** if you are scanning a printed document. The **Offset Print or Copy** mode takes slightly more time but reduces moiré patterns in scans.

Color Conversion—Select the color conversion to use: **Calibrated RGB** or **Match Copy**. Use **Calibrated RGB** if you will print the image using a Fiery Rendering Style (CRD). Use **Match Copy** to match the colors in a copy made by the copier as closely as possible, assuming that you are going to print the image to the same copier and you do not want to use a Rendering Style. Also see "Fiery Scan color conversion settings" on page 4-10.

3. **Select the appropriate settings and click OK.**

4. **Click Scan in the main window to acquire the scan.**

   The progress bar displays how much of the image has been processed. You can click **Esc** (Windows) or **Command-.** (Mac OS) to cancel acquiring the scan.

   When the scan is acquired, the scanned image is displayed in Photoshop.

Chapter 5: Downloading Files and Fonts

Fiery Downloader allows you to send PCL, PostScript, Encapsulated PostScript (EPS), and Portable Document Format (PDF) files directly to the Fiery without using the application in which they were created. It also enables you to manage printer fonts on the Fiery.

You can use Fiery Downloader from a remote workstation as well as from the Command WorkStation. Fiery Downloader requires a network connection—you *cannot* use Fiery Downloader with the parallel port. For information on installing and configuring Fiery Downloader and on supported networking protocols, see *Getting Started*.

NOTE: The Windows and Mac OS versions of Fiery Downloader are fundamentally the same; differences are noted in this section. Where both windows or dialog boxes are illustrated, the Windows version comes first, followed by the Mac OS version.

You can also use the WebDownloader WebTool to download a PostScript, EPS, PCL, or PDF file. See "Downloading files with WebDownloader" on page 6-3.

Using Fiery Downloader

You can use Fiery Downloader to:

- Print PCL, PostScript, EPS, and PDF files to the Fiery
- Check the status of the Fiery
- Manage the printer fonts stored on the Fiery hard disk (this feature requires that the Direct connection is published on the Fiery)

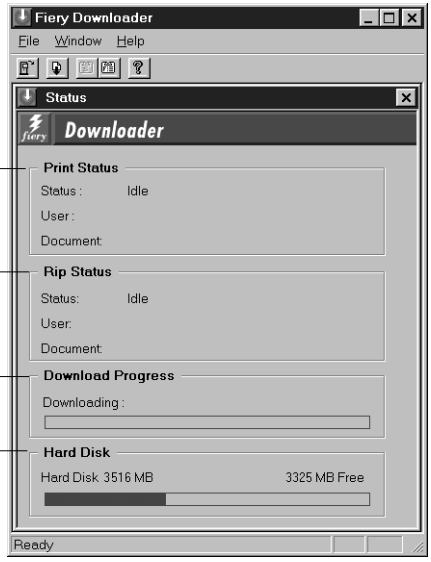
NOTE: Fiery Downloader was designed specifically for the Fiery; you cannot use it with any other printer. You can use standard LaserWriter downloaders, such as the Adobe Font Downloader, with the Fiery.

TO VIEW INFORMATION WITH FIERY DOWNLOADER:

1. **Double-click the Fiery Downloader icon or choose Fiery Downloader from the Start>Programs menu.**

2. **Select the Fiery in the Chooser window, and click OK (Windows) or Connect (Mac OS).**

   The Fiery Downloader Status window appears and you see the Fiery Downloader Toolbar, menus, and status bar at the bottom of the screen.



Displays server status and user and document name of the job currently printing

Displays server status and user and document name of the job currently processing

Dynamically displays the progress of the job

Displays the amount of available disk space

Buttons for some menu functions appear in the Toolbar at the top of the window.

	Open	Click to connect to a different Fiery.
	Download	Click to download a file or font to the Fiery.
	Status	If you are viewing the font list, click to display the status window for the current Fiery.
	Font list	If you are viewing the status window, click to display a list of printer fonts on the Fiery hard disk.
	About Fiery Downloader (Windows only)	Click to view version information about Fiery Downloader.

You can click the font list button or choose Font List from the File menu to view font information in the window.

3. **To select a different Fiery, choose Open from the File menu, or click the Open button.**

4. **Select the Fiery in the dialog box that appears, and click OK (Windows) or Connect (Mac OS).**

5. **To close the status window, choose Close from the File menu; to quit Fiery Downloader, choose Exit (Windows) or Quit (Mac OS) from the File menu.**

Printing with Fiery Downloader

Printing files with Fiery Downloader is fast—generally faster than printing from within applications. If you regularly print large files, be sure to try printing with Fiery Downloader.

TO DOWNLOAD A FILE OR FONT WITH FIERY DOWNLOADER:

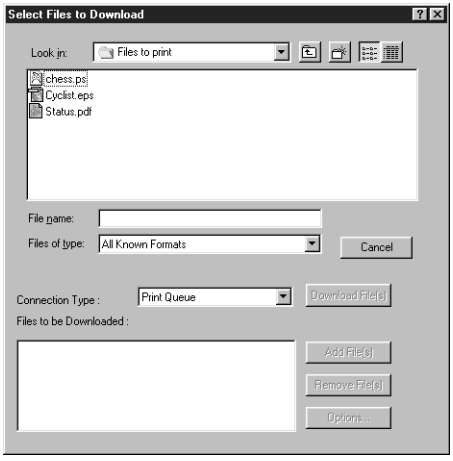
1. **Use your application to generate a file.**

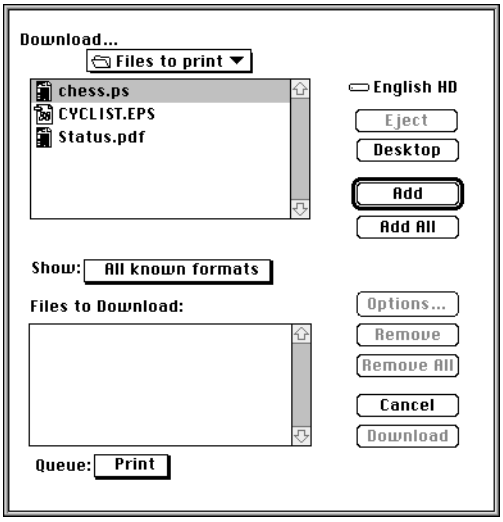
   You can save a PCL, PostScript, or PDF file by selecting the appropriate option in the application's Print dialog box. With some applications, you can also save EPS files.

   If you experience problems printing EPS files with Fiery Downloader, you can print the file directly from the application in which you created it.

2. **Launch Fiery Downloader.**

3. **Choose Download from the File menu or click the Download button.**





4. **Choose the file type to display from the Files of type (Windows) or Show (Mac OS) menu.**

   You can leave this at the default **All Known Formats** or choose **All Files**. All Known Formats lists all files in formats supported by Fiery Downloader.

   You can download files and fonts in the same batch. If the fonts are used by files in the same batch, the fonts should be downloaded first.

5. **Choose the Connection Type (Windows) or Queue (Mac OS) to which you will download the files.**

   The options available to you in this menu depend on the setup at your site. The potential selections are Print Queue (Windows) or Print (Mac OS), Hold Queue (Windows) or Hold (Mac OS), and Direct Connection (Windows) or Direct (Mac OS). If your administrator has not enabled one or more of these connections, you cannot select it.

   PDF files cannot be printed with the Direct connection. If you choose the Direct connection, the job is spooled to the Print queue and then printed. If the Print queue is not enabled, the job is spooled to the Hold queue and must be released for printing by the operator.

NOTE: To download fonts, you must use the Direct connection (make sure the Direct connection is published on the Fiery). If you do not have access to the Direct connection, you must embed any special fonts used by the file in the file when you generate it.

6. **Select the filename and click Add File(s) (Windows) or Add (Mac OS).**

   The File name field (Windows) displays the name of the selected file before you click Add.

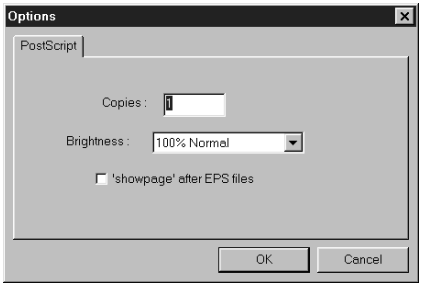
   You can navigate to different drives and directories to select files to download. Click Add All (Mac OS) to add all files in a folder.

   To select multiple sequential files (Windows), select the first file and then Shift-click the last file. Control-click to select multiple non-sequential files.

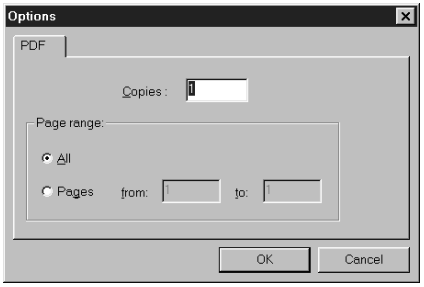
   If you change your mind about a file, select the filename in the Files to Download list and click Remove File(s) (Windows) or Remove (Mac OS).

   Click Remove All (Mac OS) to remove all files from the Files to Download list.

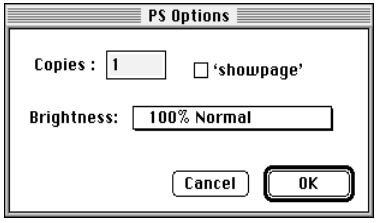
7. **To change the attributes of a file to be downloaded, select it and click Options.**



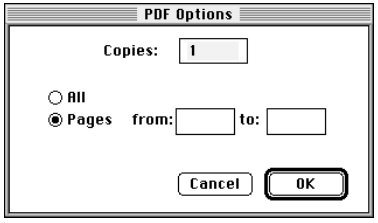
PostScript Options dialog box (Windows)



PDF Options dialog box (Windows)



PostScript Options dialog box (Mac OS)



PDF Options dialog box (Mac OS)

NOTE: The Options button is not available when downloading PCL files.

8. **Specify the following information in the dialog box and click OK.**

   The options you set apply only to the selected file. You can set different options, or leave the default settings, for each file.

   Copies—Specify the number of copies.

   Brightness (PostScript and EPS files only)—Change the Brightness setting if a file appears to be too dark or too light. Choose **85%** for a substantially lighter image, **115%** for a substantially darker image, or one of the options in between.

   NOTE: Some applications, including Adobe Photoshop, provide transfer functions that let you specify density settings for an image. If the file you are printing includes transfer functions, the Fiery Downloader Brightness option has no effect. For more information on using transfer functions, see the documentation for your application.

   'showpage' after EPS files (Windows) or **'showpage'** (Mac OS) (PostScript and EPS files only)—In most cases, you do not need to use this option. Select the 'showpage' option only if an EPS file fails to print without it. This option adds a 'showpage' PostScript language command at the end of the print job. Some applications omit this necessary PostScript language command when they generate EPS files. Select this option when printing EPS files generated by these applications. If you select this option unnecessarily, extra blank pages may print.

   If you experience problems printing EPS files with Fiery Downloader, you can print the file directly from the application in which you created it.

   Page range (PDF files only)—Specify the page range you want to print.

9. **Click Download File(s) (Windows) or Download (Mac OS).**

10. **To cancel downloading, press Escape (Windows) or Command-. (Mac OS).**

Downloading and managing printer fonts

The Fiery includes 46 built-in PCL fonts and 136 PostScript fonts; for a complete list, see Appendix B, "Font List." In addition, two Adobe Multiple Master fonts are included and are used for font substitution in PDF files.

Before downloading a file that uses fonts not resident on the Fiery, you must download the fonts (unless the fonts are embedded in the file). To see what fonts are resident on the Fiery, choose Font List from the File menu or click the Font List button (see page 5-10).

You can download fonts only via the Direct connection. If you do not have access to the Direct connection, you must embed any special fonts used by the file in the file when you generate it.

The screen fonts that correspond to the printer fonts installed on the Fiery are not automatically installed on your Windows system.

NOTE: You cannot use Fiery Downloader to download TrueType fonts. If you use TrueType fonts in Windows, you can print them by converting them to Adobe Type 1 fonts. To do this with the Adobe PS printer driver for Windows 95/98, click the Fonts tab and set up the Font Substitution Table, as necessary. For Windows NT 4.0, go to the Advanced tab of the Fiery Document Defaults dialog box, then select Graphic > TrueType Font > Download as Softfont.

Printer fonts and Mac OS screen fonts

Like all PostScript fonts, the fonts included with the Fiery come in two forms: printer fonts and screen fonts. The printer fonts are installed permanently on the Fiery hard disk. The screen fonts, which are included with the Fiery user software, should be installed on your Mac OS computer. If you are using these fonts in documents you print on a LaserWriter, they are probably already installed. If not, you will need to install them yourself. For instructions, see *Getting Started*.

Occasionally, you may want to use Adobe Type 1 (Windows) or PostScript (Mac OS) fonts that are not included with the Fiery. If so, you will need to install both the screen fonts and the printer fonts on your computer. To do this, follow the instructions from the font manufacturer.

Downloading printer fonts to the Fiery

In general, each time you print from within a Mac OS application, the application automatically downloads any fonts used in your document that are not already installed on the Fiery, as long as the printer fonts are installed in your System Folder. These fonts remain in the Fiery only until your document has printed. If you print the same document again, your application must download the fonts again.

If you regularly use one or more fonts from Windows or Mac OS applications that are not already installed in the Fiery, you can save time by downloading them to the Fiery hard disk with Fiery Downloader. Fonts you download to the Fiery hard disk remain installed until you remove them using Fiery Downloader, no matter how many times the Fiery is turned off and on. You'll probably want to download fonts you use on a regular basis to the Fiery hard disk.

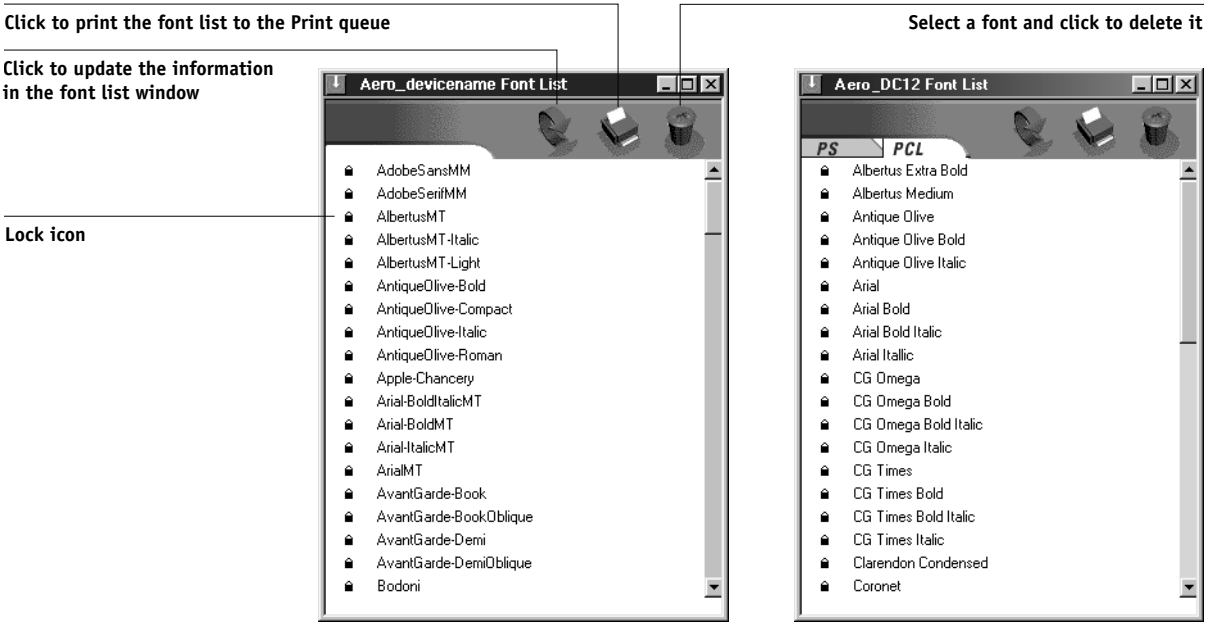
Before you download PCL, PostScript, or EPS files with Fiery Downloader, make sure all fonts included in your file are installed on the Fiery or embedded in your file; otherwise the text in these fonts will not print correctly and may not print at all. For PDF files, font substitution occurs automatically for fonts not installed on the Fiery. Two multiple master fonts (a serif font and a sans serif font) stored on the Fiery are used exclusively for substitution with PDF files.

TO VIEW FONT INFORMATION, UPDATE, PRINT, AND DELETE FONTS:

- **Choose Font List from the File menu or click the Font List button.**

  NOTE: If the Direct connection is not published, you cannot view the font list or perform any of the tasks described in this procedure. See the *Configuration Guide* or talk to your administrator for information on how to publish the Direct connection.

  The Font List window appears with Update, Print, and Delete buttons in the title bar. The printer fonts included with the Fiery (resident fonts) are locked. Locked fonts appear with a lock icon next to the name and cannot be deleted.



Chapter 6: Tracking and Managing Print Jobs

Fiery user software includes a variety of tools that allow you to track and manage print jobs. Access to some tools is controlled by your site administrator, but other tools are available to all users.

- The Command WorkStation, Fiery WebSpooler, and Fiery Spooler all provide the capability to view and control the flow of print jobs to the Fiery. If the administrator has set Administrator and Operator passwords in Setup, you need one of these passwords to perform most Command WorkStation, Fiery WebSpooler, and Fiery Spooler functions. For information on these tools and the access privileges needed to use them, see the *Job Management Guide*.
- The Status, WebLink, and WebDownloader WebTools do not require any special access privileges. As long as the administrator has enabled Web Services in Setup and has provided users with the IP address of the Fiery, anyone can use these WebTools.
- Fiery Link, a utility designed to give you up-to-date status on print jobs and connected Fiery servers, is also available to all users.

Fiery WebTools

Fiery WebTools reside on the Fiery's hard disk drive but can be accessed over the network from a variety of platforms. The Fiery has a home page that lets you view server functions and manipulate jobs remotely. This chapter describes only the Status, WebLink, and WebDownloader WebTools. For information on Fiery WebSpooler, see the *Job Management Guide*. For information on the Installer WebTool, see *Getting Started*. For information on WebSetup, see the *Configuration Guide*.

TO ACCESS FIERY WEBTOOLS:

1. **Start up your Internet browser application.**

   See *Getting Started* for information about supported platforms and browsers.

2. **Enter the IP address or the DNS name of the Fiery.**

   Check with the operator or administrator for this information.

3. **If a Log In dialog box appears, select Guest and click OK.**

   The Log In dialog box appears only if the administrator has set a password. Guest access is sufficient to use the Status, WebLink, and WebDownloaderWebTools, as described in this chapter.

4. **When the Fiery home page appears, click to select one of the Fiery WebTools.**

   Move the cursor over the buttons to display information about the selections.

Checking Fiery status with the Status WebTool

You can use the Status WebTool to see what jobs are currently processing and printing. To access the Status WebTool, point your browser to the Fiery home page and click the Status button. The current RIP Status and Printer Status appear in the window.

To open a new browser window for the Status display, click Float. You can then close other browser windows and leave the Status window open to continue checking the status of the Fiery. As long as you keep the Status window open, it is dynamically updated.

To obtain more information about the status of jobs, use Fiery WebSpooler, Fiery Spooler, or the Command WorkStation, as described in the *Job Management Guide*. You can also use Fiery Link as described on page 6-3.

Accessing information with WebLink

The WebLink button on the Fiery home page provides a link to another web page or to multiple web pages, provided you have a valid Internet connection. The administrator at your site can set the WebLink destination. Check your Fiery WebLink for any information available there.

Downloading files with WebDownloader

Using WebDownloader, you can send PostScript, Encapsulated PostScript (EPS), PCL, and Portable Document Format (PDF) files to the printer without first opening the file in an application.

TO DOWNLOAD A FILE WITH WEBDOWNLOADER:

1. **Click the WebDownloader WebTool.**
2. **Select the destination.**

   You can download files to the Direct, Print, or Hold queue. Files sent to the Print queue are spooled in the printer's memory. Files sent to the Hold queue remain in memory until they are moved to the Print queue or are deleted.
3. **Click Browse to search for the file, then select the file and click Open.**
4. **Click Download.**

Fiery Link

Fiery Link is designed to provide you with up-to-date status on print jobs and connected servers. It tracks the status of your print jobs and alerts you to errors. For example, you can see how many print jobs are ahead of your job in the queue. Fiery Link also provides information about paper and toner levels. For example, you can make sure the sorter output tray is empty before sending a job that will be sorted.

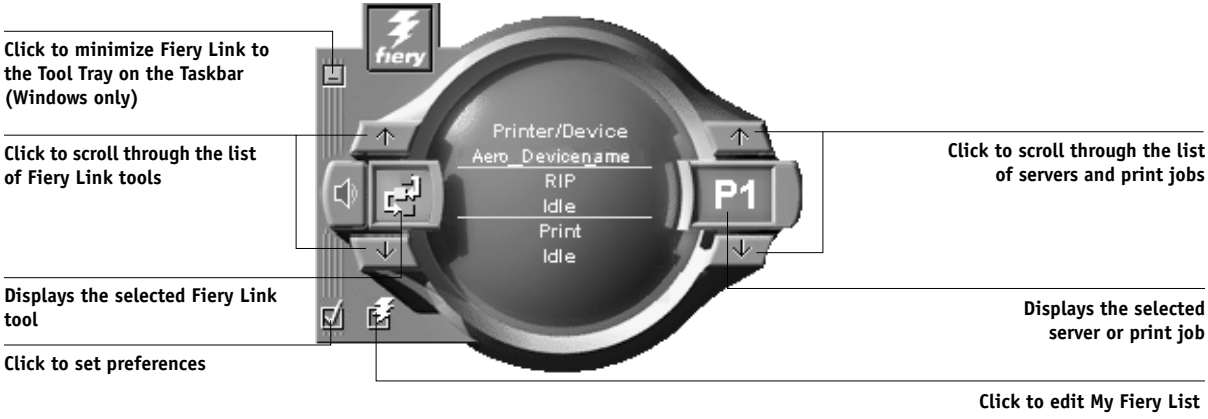
For information on installing and configuring Fiery Link, and on supported networking protocols, see *Getting Started*.

NOTE: The Windows and Mac OS versions of Fiery Link are fundamentally the same; differences are noted in this section. Where both windows or dialog boxes are illustrated, the Windows version comes first, followed by the Mac OS version.

TO BEGIN USING FIERY LINK:

1. **Double-click the Fiery Link icon or choose Fiery Link from the Start>Programs menu.**

   The main Fiery Link window appears.

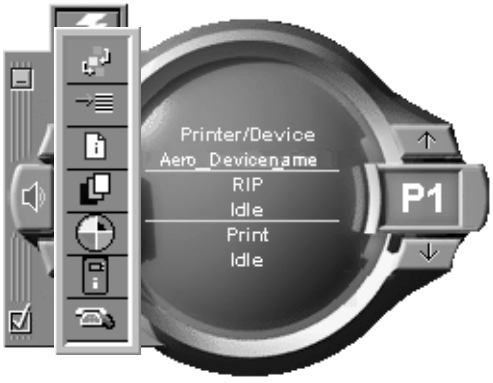


   NOTE: To exit Fiery Link, press the Alt and F4 keys (Windows) or the Command and Q keys (Mac OS).

2. **Click the currently selected server or print job to display the list of all connected servers or print jobs.**

3. **From this list, select the Fiery or the job about which you want information.**

4. **Click the currently selected Fiery Link tool to display a list of all the tools (as shown below), and select a tool.**



Fiery Link tools

Fiery Link includes the following tools that can be used to monitor a print job or a connected Fiery. Clicking the up and down arrows scrolls through the Tool List and opens each tool in turn in the Fiery Link window.

Icon:	Tool:	If a print job is selected:	If a server is selected:
	Status	Shows the job status and number of pages processed.	Shows the status of the server, including any error messages. You can make an error message disappear by clicking the Fiery Link window.
	Queue Position	Shows the number of jobs ahead of the selected job in the queue.	Shows the total number of active jobs queued to print on the server.

Icon:	Tool:	If a print job is selected:	If a server is selected:
	File Info	Displays the file name, when it was sent to the server, the target server, the number of pages, and number of copies.	Displays the server name and connected device, total number of queued jobs, and the number of those jobs sent by the user.
	Input Trays (see below)	Shows paper levels in all trays of the output device to which the job was printed.	Shows paper levels in all trays of the output device to which the server is connected.
	Toner (see below)	Shows the toner levels of the output device to which the job was printed.	Shows the toner levels of the output device to which the server is connected.
	Fiery Info	Shows the model name, amount of memory, processor, and software version of the target server.	Shows the model name, amount of memory, processor, and software version of the server.
	Support	Lists the contact names and information for the target server and the output device.	Lists the contact names and information for the server and the output device.

Input Trays

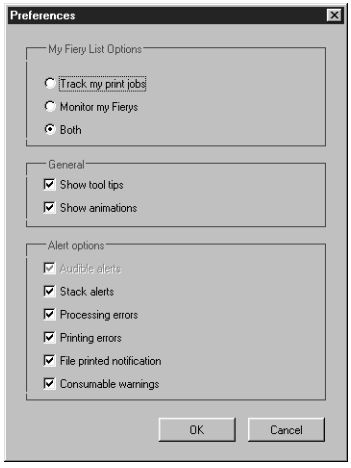
An icon is used to represent the paper level in each tray. A red icon indicates the paper tray is empty, a yellow icon indicates the paper tray is less than half full, and a green icon indicates the paper tray is more than half full. Up and down arrows allow you to scroll through the available paper trays.

Toner

You can see how much toner your copier has by clicking on the Toner tool. A warning appears if the copier is getting low on toner.

Preferences

Click the preferences checkbox in the main window to view the Preferences dialog box.



Setting the My Fiery List Options preferences

You can track print jobs, monitor Fiery servers, or both. If you select Track my print jobs, and then click the currently selected print job, the Active Job List window is displayed.

If you select Monitor my Fierys, then click the currently selected Fiery server, the Device List is displayed.

If you select Both, then click the currently selected print job or Fiery server, both the Active Job List and Device List are displayed.

Setting the General and Alert option preferences

You can set the following options for tracking print jobs, monitoring servers, or both:

- Show/hide tool tips
- Show/hide animations
- Enable/disable audible alerts
- Enable/disable stack alerts
- Enable/disable processing error notification
- Enable/disable printing error notification
- Enable/disable file printed notification
- Enable/disable consumable warnings notification

My Fiery List

Click the Fiery checkbox in the main window to access the My Fiery List. You can use My Fiery List to specify the Fiery servers you want to monitor using Fiery Link. For information on setting up and changing the My Fiery List, see *Getting Started*.

Windows taskbar menu

You can access a menu from the Windows taskbar status area to get information about Fiery Link, set some Fiery Link options, or exit the application.

TO ACCESS AND USE THE TASKBAR MENU:

1. **Right-click the Fiery Link icon in the Windows taskbar status area.**
2. **Choose one of the options from the pop-up menu.**

Options with checkmarks are enabled.

3. **Choose About Fiery Link for version information.**
4. **Choose Always on Top to enable or disable the option.**

   If this option is enabled, the Fiery Link window always appears on top of other open windows. If this option is disabled, the Fiery Link window may be hidden by other open windows.

5. **Choose Dock Fiery Link to enable or disable the option.**

   If this option is enabled, the Fiery Link window is automatically repositioned to either the far left or the far right side of your screen. If this option is disabled, you can position the Fiery Link window anywhere on the screen.

6. **Choose Exit to exit Fiery Link.**

Appendix A: Print Options

Print options give you access to all the special features of your copier and Fiery. Print options can be specified in several places—in Fiery Setup, from the printing application, from Fiery Downloader, from ColorWise Pro Tools, from the Command WorkStation, from Fiery WebSpooler, and from Fiery Spooler. The table in this appendix briefly describes each print option, gives its default setting, and provides information on any constraints or requirements in effect.

Where to set print options

- During Setup

  Some settings are specified during Setup by the administrator. For information on the current default server settings, check with the administrator or the operator.

- From applications

  With the PCL and Adobe PostScript printer drivers, you can specify job settings when you print a job. See Chapter 1, “Printing from Windows Computers” and Chapter 2, “Printing from Mac OS Computers” for information about specifying job settings from applications.

- From Fiery Downloader

  Only a few settings—Copies, Page Range (for PDF files only), and Brightness (for PostScript and EPS files only)—can be specified when printing jobs with Fiery Downloader. To change options in Fiery Downloader, select a job in the Files to be Downloaded (Windows) or Files to Download (Mac OS) list and click Options. For more information, see Chapter 5, “Downloading Files and Fonts.”

- From ColorWise Pro Tools

  You can set the default RGB Source Profile, CMYK Simulation Profile, Output Profile, CMYK Simulation Method, and RGB Separation settings. See the *Color Guide* for more information on using ColorWise Pro Tools.

- Overrides from the Command WorkStation, Fiery WebSpooler, and Fiery Spooler

  To change job settings from the Command WorkStation, double-click a job to display the Properties dialog box. To change job settings from Fiery WebSpooler and from Fiery Spooler, double-click a job to display the Override Print Settings dialog box. For more information, see the *Job Management Guide*.

Print option override hierarchy

The override hierarchy is as follows:

- A user's printer driver settings override the Fiery Setup and ColorWise Pro Tools settings.
- Settings made from the Command WorkStation, Fiery WebSpooler, or Fiery Spooler override the user's printer driver settings.

Default settings

In the following table, underlined settings in the "Option and settings" column indicate default printer driver settings (PPD/PDD defaults). In other words, if you do not use the printer driver interface to configure a particular option, the Fiery prints the job with the underlined setting.

For options that can be configured during Setup from the Control Panel, Command WorkStation, WebSetup, or ColorWise Pro Tools choosing **Printer's default** results in the Fiery printing the job with the Setup setting specified. For options that cannot be configured during Setup, the Fiery prints the job with a pre-configured "Printer's default" setting. For more information, see the "Requirements, constraints, and information" column.

To find out about the current Setup defaults, print the Configuration page from the Command WorkStation or from the Fiery Control Panel.

Option and settings: (Default setting is underlined)	Description:	Requirements, constraints, and information:
(Other) Gamma **Printer's default/1.0/1.2/1.4/1.6/1.8/2.0/2.2/2.4/2.6/2.8/3.0**	Specify a source gamma value for printing RGB images, objects, and text.	Setting this option to **Printer's default** produces the same result as the **2.2** setting. To enable this option, RGB Source Profile must be set to **Other**. For more information, see the *Color Guide*. This option is not available for PCL printing.
(Other) Phosphors **Printer's default/Hitachi EBU/Hitachi-Ikegami/NTSC/Radius Pivot/SMPTE/Trinitron**	Specify a source phosphors value for printing RGB images, objects, and text.	Setting this option to **Printer's default** produces the same result as the **SMPTE** setting. To enable this option, RGB Source Profile must be set to **Other**. For more information, see the *Color Guide*. This option is not available for PCL printing.
(Other) White Point **Printer's default/5000 K (D50)/5500 K/6500 K (D65)/7500 K/9300 K**	Specify a source white point value for printing RGB images, objects, and text.	Setting this option to **Printer's default** produces the same result as the **5000 K (D50)** setting. To enable this option, RGB Source Profile must be set to **Other**. For more information, see the *Color Guide*. This option is not available for PCL printing.
Black Detection **Printer's default/Off/On**	Select **Off** if your job consists of black-only text pages combined with a significant number of color pages. Select **On** if you are printing a predominantly black and white job.	Color Mode must be set to **CMYK**, **Standard Color**, or **Expert Color**. For more information, see page A-10. This option is not available for PCL printing.

Option and settings: (Default setting is underlined)	Description:	Requirements, constraints, and information:
Black Overprint **Printer's default/Off/On**	Select **Off** to print black text with knockouts. Select **On** to overprint black text.	The **Printer's default** setting reflects the setting specified in Fiery Setup. For Windows, choose **Expert Color** as the Color Mode to access this option. If this option is set to **On**, the Combine Separations option must be set to **Off**. Setting this option to **On** automatically sets the Pure Black Text/Graphics option to **On.** For more information, see page A-10 and the *Color Guide*. This option is not available for PCL printing.
Brightness **Printer's default/85% Lightest/ 90% Lighter/95% Light/ 100% Normal/105% Dark/ 110% Darker/115% Darkest**	Select **85%** for a substantially lighter image, **115%** for a substantially darker image, or use one of the settings in between.	Setting this option to **Printer's default** produces the same result as the **100% Normal** setting. This option is not available for PCL printing.
CMYK Simulation Method **Printer's default/Quick/Full**	Select **Quick** to utilize one-dimensional transfer curves to adjust density output of individual color channels. Select **Full** to utilize four-dimensional transfer curves, which adjust for hue as well as density of individual color channels.	The **Printer's default** setting reflects the setting specified in Fiery Setup. For Windows, choose **Expert Color** as the Color Mode to access this option. For more information, see the *Color Guide.* This option is not available for PCL printing.
CMYK Simulation Profile **Printer's default/SWOP-Coated/ DIC/Euroscale/Simulation-1/ Simulation-2/Simulation-3/ Simulation-4/Simulation-5/ Simulation-6/Simulation-7/ Simulation-8/Simulation-9/ Simulation-10/None/Match Copy**	Specify the simulation goal to be used for the current print job.	The **Printer's default** setting reflects the setting specified in Fiery Setup. For Windows, choose **Expert Color** as the Color Mode to access this option. For more information, see page A-11 and the *Color Guide*. This option is not available for PCL printing.

Option and settings: (Default setting is underlined)	Description:	Requirements, constraints, and information:
Collate **Printer's default/Off/On/**	Specify how to output multiple-page/multiple-copy jobs.	For more information, see page A-12. This option is not available for PCL printing.
Color Mode **Printer's default/CMYK/Grayscale (from the Mac OS driver)** **OR** **Standard Color/Expert Color/Grayscale (from the Windows drivers)**	Specify the color mode for the current print job. Select **CMYK, Standard Color,** or **Expert Color** for a full-color document. Select **Grayscale** for a grayscale or black-and-white document.	The **Printer's default** setting reflects the setting specified in Fiery Setup. For Windows, you must choose **Expert Color** to set other color print options, including Pure Black Text/Graphics. This option is not available for PCL printing.
Combine Separations **On/Off**	When printing separations from a desktop publishing application: Select **On** to combine separations on a single page. Select **Off** to view separations as four individual black-and-white pages each representing one color plate.	This option is not available for PCL printing. For more information, see page A-12.
Copies **1-999**	Specify the number of copies of the job to print.	Do not enter a value greater than **999**.
XP12 **Create Master** **None/1-15**	To create a FreeForm master from this job, specify a number to assign to the FreeForm master file.	This option is also available for Fiery X12 servers equipped with the optional Fiery Advanced Controller Interface kit. See page 4-2 for more information. Create Master is not available for PCL printing.
Custom Output Direction **Printer's Default/Long Edge First/ Short Edge First**	Specify whether the short edge or long edge prints along the width of the media.	Setting this option to **Printer's default** produces the same result as the **Long Edge First** setting. This option is for use with custom page sizes only. See page A-12 for more information. This option is not available for PCL printing.

Option and settings: (Default setting is underlined)	Description:	Requirements, constraints, and information:
Duplex **Off/Top-Top/Top-Bottom**	Specify whether the job should print single-sided or double-sided (duplex), by specifying the orientation of printed images.	For more information on duplex printing, see page A-12. The Duplex option cannot be selected with the **12x18** Paper Size or the **Heavyweight** Media Type. Face-Down Printing must be set to **On** and Page Order set to **Forward** for all duplex jobs.You cannot print a duplex job from Tray 5.
Face-Down Printing **Printer's default/Off/On**	Select **Off** to print your document on the top of the paper. Select **On** to print your document on the bottom of the paper (i.e., the document will output from the copier with the text facing down).	The **Printer's default** setting reflects the setting specified in Fiery Setup. The Media Type option must be **Normal** or **Heavyweight** if Face-Down Printing is set to **On**. This option is not available for PCL printing.
Instructions	Enter instructions to the operator about the job.	The Instructions field has a 128-character limit. This option is not available for PCL printing.
Mailbox **Off/Bin 1/Bin 2/Bin 3/Bin 4/Bin 5/ Bin 6/Bin 7/Bin 8/Bin 9/Bin 10**	Specify an output bin for the print job.	Requires the optional mailbox/sorter copier attachment. This option is not available for PCL printing.
Media Type (Paper Type) **Normal /Heavyweight/ Extra Heavyweight/Transparency/ Transparency Interleave**	Select **Transparency** if you will be printing on transparencies. Select **Transparency Interleave** to print multiple transparency sheets with a blank, plain paper sheet inserted between each transparency.	PCL supports only **Normal** and **Transparency**.
Notes 1 and Notes 2	Enter special information about the job.	The Notes 1 and Notes 2 fields each have a 31-character limit. This option is not available for PCL printing.

Option and settings: (Default setting is underlined)	Description:	Requirements, constraints, and information:
Output Profile **Printer's default/Output-1/Output-2/Output-3/Output-4/Output-5/Output-6/Output-7/Output-8/Output-9/Output-10**	Specify the output profile to be used for the current print job.	The **Printer's default** setting reflects the setting specified in ColorWise Pro Tools. For Windows, choose **Expert Color** as the Color Mode to access this option. See page A-13 and the *Color Guide* for more information. This option is not available for PCL printing.
Page Order **Printer's default/Forward/Reverse**	Select **Forward** to print the pages of your job from first to last. Select **Reverse** to print the pages of your job from last to first.	The **Printer's default** setting reflects the setting specified in Fiery Setup. This option is not available for PCL printing. **NOTE:** If you set Page Order to **Reverse** and print a job with more than 1000 pages, or a job that is too large to be saved to the Fiery's memory and disk (based on currently available space), then the job may print in sections that have to be manually rearranged after printing. For example, if you print a 1500-page document in reverse order, the Fiery might divide the job into two portions, first printing page 1000 to page 1, and then page 1500 to page 1001.
Page Range **All/Even/Odd**	Specify which pages of the document to print.	This option is available only as an override from Fiery WebSpooler, Fiery Spooler, and Command WorkStation. See page A-14 for more information.
Paper Size **11x17/12x18/A3/A4/SEF A4/A5/SEF A5/A6/DocuPac/SEF DocuPac/Legal/Legal 13/Letter/SEF Letter/Postcard (4x6)/SR-A3/Custom page 1/Custom page 2/Custom page 3**	Specify the size of the paper on which to print the document.	

Option and settings: (Default setting is underlined)	Description:	Requirements, constraints, and information:
Paper Source **AutoSelect/Tray 1/Tray 2/ Tray 3/Tray 4/Tray 5/Tray 6**	Specify the paper tray to use for your job.	The **AutoSelect** setting automatically selects the tray containing the paper size specified for the job. If you select **Tray 6**, you must select **Normal** as the Media Type.
Pure Black Text/Graphics **Printer's default/Off/On**	Select **Off** to print black text and graphics as a four color black using C, M, Y, and K toner, and to use normal PostScript rendering. Select **On** to print black text and graphics as a one color black, using 100% black toner only.	The **Printer's default** setting reflects the setting specified in Fiery Setup. For Windows, choose **Expert Color** as the Color Mode to access this option. This option is automatically set to **On** if the Black Overprint option is set to **On**. For more information, see the *Color Guide*. This option is not available for PCL printing.
XP12 **Remove White PPT Background** **No/Yes**	Select **Yes** when using PowerPoint to create variable data in conjunction with FreeForm.	This option is also available for Fiery X12 servers equipped with the optional Fiery Advanced Controller Interface kit. Remove White PPT Background is not available for PCL printing.
Rendering Style **Printer's default/Photographic/ Presentation/Relative Colorimetric/ Absolute Colorimetric**	Specify a default color rendering dictionary (CRD) to be used when you print RGB images, objects, and text.	The **Printer's default** setting reflects the setting specified in Fiery Setup. For Windows, choose **Expert Color** as the Color Mode to access this option. For more information, see page A-14. This option is not available for PCL printing.
RGB Separation **Printer's default/Output/Simulation**	Select **Output** for RGB jobs which you are printing to the final output device. Select **Simulation** for RGB jobs for which you want to simulate an output device that is not the device to which you are printing.	The **Printer's default** setting reflects the setting specified in Fiery Setup. For Windows, choose **Expert Color** as the Color Mode to access this option. This option is not available for PCL printing.

Option and settings: (Default setting is underlined)	Description:	Requirements, constraints, and information:
RGB Source Profile **Printer's default/EFIRGB/sRGB (PC)/Apple Standard/Other/Source-1/Source-2/Source-3/Source-4/Source-5/Source-6/Source-7/Source-8/Source-9/Source-10/None**	Specify a source color space definition for printing RGB images, objects, and text.	The **Printer's default** setting reflects the setting specified in Fiery Setup. For Windows, choose **Expert Color** as the Color Mode to access this option. See page A-14 and the *Color Guide* for more information. This option is not available for PCL printing.
Save Fast Reprint **Off/On**	Specify whether or not to save a job's raster data to disk after printing, so the data will be available later for reprinting (without reRIPping).	With Save Fast Reprint set to **On**, all print option settings remain with the saved raster data each time the job is reprinted. To print the job with new print option settings, you must remove raster and reRIP the job. This option is not available for PCL printing.
Spot Color Matching **Printer's default/Off/On**	Select **Off** to print specified PANTONE colors in your job using the current CMYK Simulation and CMYK Simulation Method. Select **On** to activate the PANTONE Lookup Table. The Fiery prints specified PANTONE colors in your job by matching the CMYK print blend to the same color from the PANTONE library.	The **Printer's default** setting reflects the setting specified in Fiery Setup. For Windows, choose **Expert Color** as the Color Mode to access this option. For more information, see the *Color Guide*. This option is not available for PCL printing.
Stapler Mode **Off/Front/Rear/Dual**	Specify whether or not and how to staple the job.	See page A-15 for more information. This option is not available for PCL printing.
Text/Graphics Enhancement **Off/On**	Select **On** to sharpen the edges of text and line graphics. Select **Off** for printing text using very small font sizes.	This option is not available for PCL printing.

Option and settings: (Default setting is underlined)	Description:	Requirements, constraints, and information:
XP12 **Use Master** **None/1-15**	For variable data print jobs, specify a FreeForm master number to be used for the job.	This option is also available for Fiery X12 servers equipped with the optional Fiery Advanced Controller Interface kit. See page 4-2 for more information. Use Master is not available for PCL printing.

More about print options

The following sections provide additional information about print options. See the table above for information on the settings, requirements, and constraints in effect for these options.

Black Detection

Off—Select if your job consists of black-only text pages combined with a significant number of color pages. Doing so will prevent the copier from having to cycle down each time between printing the black only pages and color pages.

On—Select when you are printing a predominantly black and white job. The Fiery speeds printing by sensing the data on each page of your job to detect any color information; if black is the only color detected on a page, the copier will print the page using only black toner and one print cycle instead of the four cycles necessary for color printing.

Black Overprint

When printing black text in combination with a color background or graphics, the text can be printed in one of two ways: either as part of the color background, or on top of the color background. Black Overprint allows you to choose a specific way to print the black text for such a job.

Off—Prints the black text with knockouts. The Fiery first prints the color background with the black text areas ‘knocked out’ (no color is printed in the text areas); the black text is then printed in the knocked out area, filling in the areas not printed in color. The result is a flatter appearance for the black text.

On—Overprint the black text. Used in combination with the Pure Black Text/Graphics option, the Fiery first prints the full color background, then lays the black text on top of the color background as 100% K toner. The result is a darker and glossier appearance for the black text. Overprinting also minimizes misregistration and 'haloing' problems.

CMYK Simulation Profile

CMYK Simulation Profile allows you to change the simulation goal for the current print job. As the job begins processing, the simulation goal selected in CMYK Simulation Profile is applied before printing.

NOTE: Choosing Printer's default results in the job being printed with the simulation goal currently set on the Fiery.

SWOP-Coated—Uses the United States press standard.

DIC—Uses the Japanese press standard.

Euroscale—Uses the European press standard.

Simulation-1 (2,3,4,5...10)—Uses a custom simulation goal. Before selecting this setting, you are required to create a new simulation goal with ColorWise Pro Tools and link the new simulation to one of the custom simulation names, e.g., Simulation-1.

NOTE: If two-way communication is enabled, Simulation-1 through Simulation-10 do not appear in the Windows 95/98 PostScript driver. This driver displays all the custom simulations saved on the Fiery by name. See *Getting Started* for information on setting up two-way communication.

None—Uses no simulation goal. Select this setting when the CMYK data for your job has already been separated for your specific printer (for example, when using the Color Management System built into your computer to convert the CMYK data to the printer's color space).

Match Copy—Uses no calibration or simulation goal. Select this setting when printing images imported with Fiery Scan (with the Color Conversion option set to Match Copy), or when you want to bypass Fiery calibration and simulation.

For more information about simulation and calibration, see the *Color Guide*.

Collate

Use this option to specify sorting options.

Off—Copies of a complete job are output, uncollated into the top tray.

On—Copies of a complete job are collated and output into the top tray.

Combine Separations

The Combine Separations option specifies whether to combine color separations (created in desktop publishing applications such as QuarkXPress or Adobe PageMaker) on a single page to simulate printing on a press from film separations. It allows you to proof overprinting, trapping, and other four-color printing effects before having film separations created. It also enables you to combine Desktop Color Separations (DCS) format files to print them at full resolution instead of printing the low-resolution master file. Selecting the appropriate color rendering dictionary (CRD) setting for the type of image you are printing ensures optimal color output on the Fiery.

Your job must have been printed as color separations or DCS format when you printed it from your application. If you did not print the job in this manner, the Combine Separations option has no effect.

Custom Output Direction

You can specify whether a custom page size job prints with the short edge first (SEF) or the long edge first (LEF) along the width of the media.

To specify the output direction of a standard page size, use the corresponding page size. Page sizes such as Letter and A4 print with the *long* edge first. Page sizes that have "SEF" as part of their names print with the *short* edge first.

Duplex

If your copier has a duplexing unit, you can print with the Top-Top and Top-Bottom duplex settings.

TO PRINT DUPLEX PAGES USING A DUPLEXING UNIT:

1. **Choose Print in your application, and locate the Duplex print option.**

   The location of Fiery print options varies, depending on the printer driver you are using.

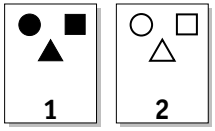
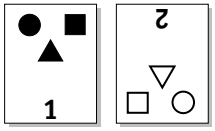
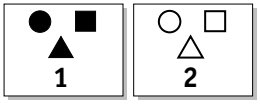
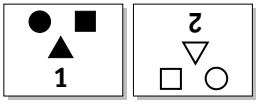
2. **Choose one of the Duplex settings:**

   Top-Top—Prints the top of the image on side 1 on the same edge of the page as the top of the image on side 2.

   Top-Bottom—Prints the top of the image on side 1 on the opposite edge of the page from the top of the image on side 2.

3. **Print the job.**

   The following table shows how the Duplex settings correspond to printed output:

	Top-Top	Top-Bottom
Portrait		
Landscape		

Output Profile

Output-1 through Output-10—Uses a custom output profile. Before selecting this setting, you are required to download or create the output profile with ColorWise Pro Tools, then link it with one of the custom output profile names, e.g., Output-1.

NOTE: If two-way communication is enabled, Output-1 through Output-10 do not appear in the Windows 95/98 PostScript driver. This driver displays all the output profiles saved on the Fiery by name. See *Getting Started* for information on setting up two-way communication.

For information on output color space and color management, see the *Color Guide*.

Page Range

The operator can specify a page range override, but this range applies only to the pages included in the active job. For example, if a user specifies Odd for Page Range in the original job, even if the operator specifies a Page Range override of All, only the odd pages of the original document are printed ("all" the odd pages).

Rendering Style

Use this option to select a default color rendering dictionary (CRD) to be used when you print RGB images, objects, and text.

Photographic—Optimizes the range of colors on the Fiery to produce the best results for photographic or bitmapped images.

Presentation—Optimizes the output of pure, saturated colors such as those used in business presentations.

Relative Colorimetric— Provides a close match to the CMYK device being simulated, regardless of the media being used.

Absolute Colorimetric— Provides the closest match to the CMYK device being simulated, including rendering the paper color as the background.

RGB Source Profile

This option is used to specify a source color space for RGB data.

EFIRGB—Optimal source space for printing to the Fiery. This setting provides consistent output across platforms.

sRGB (PC)—Specifies the source space of a generic Windows computer monitor.

Apple Standard—Specifies the source space of a Mac OS computer monitor.

Other—Allows you to specify a custom RGB source setting using the **(Other) Gamma**, **(Other) Phosphors**, and **(Other) White Point** print options.

Source-1 through Source-10—Uses a custom source profile. Before selecting this setting, you are required to download the source profile to the Fiery with ColorWise Pro Tools, then link it with one of the custom source profile names, e.g., Source-1.

NOTE: If two-way communication is enabled, Source-1 through Source-10 do not appear in the Windows 95/98 PostScript driver. This driver displays all the source profiles saved on the Fiery by name. See *Getting Started* for information on setting up two-way communication.

For information on source color space and color management, see the *Color Guide*.

Stapler Mode

Stapling is supported on copiers with the Finisher Option installed. The options below will have different effects depending on paper size, output direction, orientation, and whether the pages are printed face-up or face-down.

Off—Disables the stapler.

Front—The job is stapled with one staple in the corner of the page where the edge closest to the front of the copier meets the edge that last exits the copier.

NOTE: Front staples are always angled at 45 degrees.

Rear—The job is stapled with one staple in the corner of the page where the edge closest to the rear of the copier meets the edge that last exits the copier.

Dual—The job is stapled with two staples along the page edge that last exits the copier.

NOTE: Jobs larger than 50 pages cannot be stapled.

The stapler supports the following paper sizes:

- Letter, SEF Letter
- Legal, Legal 13
- 11x17
- A3
- A4, SEF A4
- A5, SEF A5
- A6

Appendix B: Font List

This appendix lists the built-in printer fonts included with your Fiery.

PostScript printer fonts

Listed below are the 136 built-in PostScript printer fonts on the Fiery. In addition to the fonts listed below, two Adobe Multiple Master fonts are included and are used for font substitution in PDF files.

NOTE: For Mac OS computers, install the corresponding screen fonts from the User Software CD. For instructions, see *Getting Started*.

Adobe Type 1 fonts

The Fiery includes 126 Adobe Type 1 fonts:

- The Mac OS column lists the name as it appears on the Font menu on a Mac OS computer. For example, in most applications, to use "Bodoni-Bold," choose Bodoni Bold from the Font menu.
- The Windows menu name is the name as it appears on the Font menu on a Windows computer. The style refers to the style that must be selected in the application to access the particular PostScript font. For example, to use "Bodoni-Bold," choose Bodoni from the Font menu and Bold from the Style menu.

PostScript name:	Mac OS menu name:	Windows menu name, style:
AlbertusMT-Light	Albertus MT Lt	Albertus MT Lt
AlbertusMT	Albertus MT	Albertus MT
AlbertusMT-Italic	Albertus MT It	Albertus MT, Italic
AntiqueOlive-Roman	Antique Olive Roman	Antique Olive Roman
AntiqueOlive-Bold	Antique Olive Bold	Antique Olive Roman, Bold
AntiqueOlive-Italic	Antique Olive Italic	Antique Olive Roman, Italic
AntiqueOlive-Compact	Antique Olive Compact	Antique Olive Compact
Arial-BoldItalicMT	Arial Bold Italic	Arial, Bold Italic
Arial-BoldMT	Arial Bold	Arial, Bold
Arial-ItalicMT	Arial Italic	Arial, Italic
ArialMT	Arial	Arial

PostScript name:	Mac OS menu name:	Windows menu name, style:
AvantGarde-Book	Avant Garde	AvantGarde
AvantGarde-Demi	Avant Garde Demi	AvantGarde, Bold
AvantGarde-BookOblique	Avant Garde BookOblique	AvantGarde, Italic
AvantGarde-DemiOblique	Avant Garde DemiOblique	AvantGarde, Bold Italic
Bodoni	Bodoni	Bodoni
Bodoni-Bold	Bodoni Bold	Bodoni, Bold
Bodoni-Italic	Bodoni Italic	Bodoni, Italic
Bodoni-BoldItalic	Bodoni BoldItalic	Bodoni, Bold Italic
Bodoni-Poster	Bodoni Poster	Bodoni Poster
Bodoni-PosterCompressed	Bodoni PosterCompressed	Bodoni PosterCompressed
Bookman-Light	Bookman	Bookman
Bookman-Demi	Bookman Demi	Bookman, Bold
Bookman-LightItalic	Bookman LightItalic	Bookman, Italic
Bookman-DemiItalic	Bookman DemiItalic	Bookman, Bold Italic
Carta	Carta	Carta
Clarendon-Light	Clarendon Light	Clarendon Light
Clarendon	Clarendon	Clarendon
Clarendon-Bold	Clarendon Bold	Clarendon, Bold
CooperBlack	Cooper Black	Cooper Black
CooperBlack-Italic	Cooper Black Italic	Cooper Black, Italic
Copperplate-ThirtyThreeBC	Copperplate33bc	Copperplate33bc
Copperplate-ThirtyTwoBC	Copperplate32bc	Copperplate32bc
Coronet	Coronet	Coronet
Courier	Courier	Courier
Courier-Bold	Courier Bold	Courier, Bold
Courier-Oblique	Courier Oblique	Courier, Italic
Courier-BoldOblique	Courier BoldOblique	Courier, Bold Italic
Eurostile	Eurostile	Eurostile
Eurostile-Bold	Eurostile Bold	Eurostile Bold
Eurostile-ExtendedTwo	Eurostile ExtendedTwo	Eurostile ExtendedTwo
Eurostile-BoldExtendedTwo	Eurostile BoldExtendedTwo	Eurostile ExtendedTwo, Bold
GillSans	GillSans	GillSans
GillSans-Bold	GillSans Bold	GillSans, Bold
GillSans-Italic	GillSans Italic	GillSans, Italic

PostScript name:	Mac OS menu name:	Windows menu name, style:
GillSans-BoldItalic	GillSans BoldItalic	GillSans, Bold Italic
GillSans-Light	GillSans Light	GillSans Light
GillSans-LightItalic	GillSans LightItalic	GillSans Light, Italic
GillSans-Condensed	GillSans Condensed	GillSans Condensed
GillSans-BoldCondensed	GillSans BoldCondensed	GillSans Condensed, Bold
GillSans-ExtraBold	GillSans ExtraBold	GillSans ExtraBold
Goudy	Goudy	Goudy
Goudy-Bold	Goudy Bold	Goudy, Bold
Goudy-Italic	Goudy Italic	Goudy, Italic
Goudy-BoldItalic	Goudy BoldItalic	Goudy, Bold Italic
Goudy-ExtraBold	Goudy ExtraBold	Goudy ExtraBold
Helvetica	Helvetica	Helvetica
Helvetica-Bold	Helvetica Bold	Helvetica, Bold
Helvetica-Oblique	Helvetica Oblique	Helvetica, Italic
Helvetica-BoldOblique	Helvetica BoldOblique	Helvetica, Bold Italic
Helvetica-Narrow	Helvetica Narrow	Helvetica-Narrow
Helvetica-Narrow-Bold	Helvetica Narrow Bold	Helvetica-Narrow, Bold
Helvetica-Narrow-Oblique	Helvetica Narrow Oblique	Helvetica-Narrow, Italic
Helvetica-Narrow-BoldOblique	Helvetica Narrow BoldObl	Helvetica-Narrow, Bold Italic
Helvetica-Condensed	Helvetica Condensed	Helvetica Condensed
Helvetica-Condensed-Bold	Helvetica CondensedBold	Helvetica Condensed, Bold
Helvetica-Condensed-Oblique	Helvetica CondensedOblique	Helvetica Condensed, Italic
Helvetica-Condensed-BoldObl	Helvetica CondensedBoldObl	Helvetica Condensed, Bold Italic
HoeflerText-Ornaments	Hoefler Text Ornaments	Hoefler Text Ornaments
JoannaMT	Joanna MT	Joanna MT
JoannaMT-Bold	Joanna MT Bd	Joanna MT, Bold
JoannaMT-Italic	Joanna MT It	Joanna MT, Italic
JoannaMT-BoldItalic	Joanna MT Bd It	Joanna MT, Bold Italic
LetterGothic	Letter Gothic	Letter Gothic
LetterGothic-Bold	Letter Gothic Bold	Letter Gothic, Bold
LetterGothic-Slanted	Letter Gothic Slanted	Letter Gothic, Italic
LetterGothic-BoldSlanted	Letter Gothic BoldSlanted	Letter Gothic, Bold Italic
LubalinGraph-Book	Lubalin Graph	LubalinGraph
LubalinGraph-Demi	Lubalin Graph Demi	LubalinGraph, Bold

PostScript name:	Mac OS menu name:	Windows menu name, style:
LubalinGraph-BookOblique	Lubalin Graph BookOblique	LubalinGraph, Italic
LubalinGraph-DemiOblique	Lubalin Graph DemiOblique	LubalinGraph, Bold Italic
Marigold	Marigold	Marigold
MonaLisa-Recut	Mona Lisa Recut	Mona Lisa Recut
NewCenturySchlbk-Roman	New Century Schlbk	NewCenturySchlbk
NewCenturySchlbk-Bold	New Century Schlbk Bold	NewCenturySchlbk, Bold
NewCenturySchlbk-Italic	New Century Schlbk Italic	NewCenturySchlbk, Italic
NewCenturySchlbk-BoldItalic	New Century Schlbk BoldIt	NewCenturySchlbk, Bold Italic
Optima	Optima	Optima
Optima-Bold	Optima Bold	Optima, Bold
Optima-Italic	Optima Italic	Optima, Italic
Optima-BoldItalic	Optima BoldItalic	Optima, Bold Italic
Oxford	Oxford	Oxford
Palatino-Roman	Palatino	Palatino
Palatino-Bold	Palatino Bold	Palatino, Bold
Palatino-Italic	Palatino Italic	Palatino, Italic
Palatino-BoldItalic	Palatino BoldItalic	Palatino, Bold Italic
StempelGaramond-Roman	StempelGaramond Roman	StempelGaramond Roman
StempelGaramond-Bold	StempelGaramond Bold	StempelGaramond Roman, Bold
StempelGaramond-Italic	StempelGaramond Italic	StempelGaramond Roman, Italic
StempelGaramond-BoldItalic	StempelGaramond BoldItalic	StempelGaramond Roman, Bold Italic
Symbol	Symbol	Symbol
Tekton	Tekton	Tekton
Times-Roman	Times	Times
Times-Bold	Times Bold	Times, Bold
Times-Italic	Times Italic	Times, Italic
Times-BoldItalic	Times BoldItalic	Times, Bold Italic
TimesNewRomanPS-BoldMT	Times New Roman Bold	Times New Roman, Bold
TimesNewRomanPS-BoldItalicMT	Times New Roman Bold Italic	Times New Roman, Bold Italic
TimesNewRomanPS-ItalicMT	Times New Roman Italic	Times New Roman, Italic
TimesNewRomanPSMT	Times New Roman	Times New Roman
Univers-Extended	Univers Extended	Univers Extended

PostScript name:	Mac OS menu name:	Windows menu name, style:
Univers-BoldExt	Univers BoldExt	Univers Extended, Bold
Univers-ExtendedObl	Univers ExtendedObl	Univers Extended, Italic
Univers-BoldExtObl	Univers BoldExtObl	Univers Extended, Bold Italic
Univers-Light	Univers 45 Light	Univers 45 Light
Univers-Bold	Univers 65 Bold	Univers 45 Light, Bold
Univers-LightOblique	Univers 45 LightOblique	Univers 45 Light, Italic
Univers-BoldOblique	Univers 65 BoldOblique	Univers 45 Light, Bold Italic
Univers	Univers 55	Univers 55
Univers-Oblique	Univers 55 Oblique	Univers 55, Italic
Univers-CondensedBold	Univers 67 CondensedBold	Univers 47 CondensedLight, Bold
Univers-CondensedBoldOblique	Univers 67 CondensedBoldObl	Univers 47 CondensedLight, Bold Italic
Univers-Condensed	Univers 57 Condensed	Univers 57 Condensed
Univers-CondensedOblique	Univers 57 CondensedOblique	Univers 57 Condensed, Italic
ZapfChancery-MediumItalic	Zapf Chancery	ZapfChancery
ZapfDingbats	Zapf Dingbats	ZapfDingbats

TrueType fonts

The Fiery includes 10 TrueType fonts:

PostScript name:	Mac OS menu name:	Windows menu name, style:
Apple-Chancery	Apple Chancery	Apple Chancery
Chicago	Chicago	Chicago
Geneva	Geneva	Geneva
HoeflerText-Black	Hoefler Text Black	Hoefler Text Black
HoeflerText-BlackItalic	Hoefler Text Black	Hoefler Text Black, Italic
HoeflerText-Italic	Hoefler Text	Hoefler Text, Italic
HoeflerText-Regular	Hoefler Text	Hoefler Text
Monaco	Monaco	Monaco
New York	New York	New York
Wingdings-Regular	Wingdings	Wingdings

PCL printer fonts

The following 46 fonts are resident in the Fiery's PCL interpreter:

- Albertus Medium, Albertus Extra Bold
- Antique Olive, Antique Olive-Bold, Antique Olive-Italic
- Arial, Arial-Bold, Arial-Italic, Arial-BoldItalic
- CG Omega, CG Omega-Bold, CG Omega-Italic, CG Omega-BoldItalic
- CG Times, CG Times-Bold, CG Times-Italic, CG Times-BoldItalic
- Clarendon Condensed
- Coronet
- Courier, Courier-Bold, Courier-Italic, Courier-BoldItalic
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Appendix C: Troubleshooting

This appendix provides troubleshooting tips.

Maintaining optimal system performance

The Fiery does not require maintenance. Beyond the routine requirements of servicing and maintaining the copier and replenishing consumables there are a few things you can do to improve the overall performance of your system:

- Reduce unnecessary two-way communication.

  If users notice that the server is frequently too busy to receive jobs, it may be because several users are running utilities that are updated often. Large numbers of remote users running Fiery Downloader or the Fiery WebTools may have a significant effect on Fiery performance.

- Schedule the printing workload by checking job ticket information before printing.

  Print jobs with the same output and paper specifications together to minimize paper changes. Also, print routine jobs while you prepare to print jobs with special instructions or special media.

- Reduce unnecessary server connections at the Command WorkStation.

  If you use a second or third Fiery on an occasional basis, performance will be improved if you log off when you are not using it.

- Avoid printing with the server “Disk full” warning.

  If you see this warning, delete jobs from the Queues window that have been held for a long time and are not likely to be needed. Avoid this condition by deleting old jobs on a regular basis. The date associated with a job is the original date it was sent.

Troubleshooting

This section provides some troubleshooting guidelines should a problem arise. If you are unable to resolve a problem after referring to this section, contact your site operator or administrator. Also, make sure there are no applications installed on the Fiery, with the exception of the client utilities from the User Software CD. Applications other than the client utilities are not supported and can cause system problems.

General printing problems

If this happens:	Try this:
You cannot connect to a Fiery.	• **Make sure that the Fiery is not being calibrated from the Control Panel.** If the Fiery is being calibrated from the Control Panel, you can select it in the Chooser, but you cannot connect to it. This insures that only one person is calibrating the server at any time and that print jobs do not use unexpected calibration.
You cannot select or view one of the queues.	• **Have your system administrator enable the queue in Setup.**
You cannot connect to the Fiery from a Windows computer with the Command WorkStation or Fiery utilities.	• **Make sure the connection is configured correctly.** For instructions, see *Getting Started*.
Printing seems to take too long.	• **Print to a queue instead of to the Direct connection.** When you print to a queue, the job is stored on the Fiery until it can be processed and printed; when you print to the Direct connection, the job cannot be sent to the Fiery until the previous job is finished processing, so you must wait longer to use your computer.

If this happens:	Try this:
One or more Media Type options are dimmed.	• **Select a Paper Source that supports the Media Type you are using.** For information on requirements and constraints pertaining to special papers and transparencies, see Appendix A, "Print Options."
Fiery doesn't respond to a Print command.	• **Has someone disconnected the copier by selecting Suspend Printing from the Functions menu?** If the administrator or operator has selected Suspend Printing on the Fiery Control Panel or Command WorkStation to interrupt printing, your print job will not resume until someone selects Resume Printing from the Functions menu on the Control Panel or clicks the function key on the Command WorkStation. • **Did you select the Fiery as the current printer?** Before printing, you must select the Fiery as the current printer from your Windows computer, Mac OS computer, or UNIX workstation. • **Make sure that the copier is switched on.** Someone may have turned the copier off, or the Automatic Power-Off or Power Saver mode function may have engaged. Even with the copier off, the Fiery appears in the Chooser as long as the Fiery itself is turned on. • **If you are printing over an IPX (Novell) network, verify through the PCONSOLE utility that the job was sent to the Novell queue and that the queue is being used by the Fiery.** • **Make sure that the job does not contain a PostScript error.** Check with the operator, or use Command WorkStation, Fiery WebSpooler, or Fiery Spooler to check the job's status. A job containing a PostScript error appears in red. To obtain information on the PostScript error, make sure the Print to PS Error option is set to Yes in Fiery Setup. See the *Configuration Guide* for more information.

If this happens:	Try this:
Jobs sent to the parallel port do not print.	• **Ask the administrator to increase the parallel "Port Timeout in Seconds" on the Fiery Control Panel.** • **Ask the administrator to change the Ignore EOF Character setting on the Fiery Control Panel.** If you will be printing ASCII format PostScript only, set Ignore EOF Character to No; if you will be printing Binary format PostScript, set it to Yes. • **If you print using the DOS copy command, make sure to use the /b option when printing binary files.** • **Restart your Windows computer, enter BIOS setup, and if you have a BIOS setting for the parallel port, make sure that it is set to Compatible mode and not to Bi-Directional, ECP, EPP, or any other mode.** • **If you are using Windows 95/98, open the System Properties control panel, click the Device Manager tab, click Ports, double-click the parallel port you are using, and make sure that the driver selected is the standard Printer Port driver instead of the ECP Port, EPP Port, or any other driver.** For information about changing this setting, see *Getting Started* and your Windows 95/98 documentation.
You cannot print with QuarkXPress 3.32 using the PSPrinter 8.5.1 driver on a Mac OS computer.	• **Remove the file called Balloon Help from your QuarkXPress application folder and relaunch QuarkXPress.**

Problems with print quality

For information about printing with specific applications and about optimizing color output, see the *Color Guide*.

If this happens:	Try this:
Print settings for your job output do not match the settings you gave.	• **Make sure that you did not override the setting for the job in another place.** For information about options and overrides, see Appendix A, "Print Options."
You get poor printing results.	• **Does your application require one of Fiery's printer description files?** If you're printing from Adobe PageMaker, make sure that the Fiery printer description file is installed correctly. For information about installing these files, see *Getting Started*. • **Make sure the system has been calibrated.** For instructions, see the *Color Guide*.
Separations do not combine properly.	• **Make sure that the file was initially created as separations.** • **If you are printing separations or a DCS format file, set the Combine Separations print option to On.** With Combine Separations On, all four colors will be printed on a single page; with Combine Separations Off, four black-and-white pages will print to simulate four single-color plates.
The registration or colors of an image are not what you expected.	• **Ask the operator to print a test page with the copier.** The problem may be with the copier. If your test page shows that the copier is working properly, correct the problem within your application software. If the test page is wrong, your copier may need to be calibrated or adjusted in some other way.
Your printed file appears too dark.	• **Adjust the Brightness option.** You can use the Brightness option when printing from an application or from Fiery Downloader to lighten your image whenever you print a PostScript or Encapsulated PostScript (EPS) file.
Color output is incorrect.	• **Check with the operator or administrator about the current calibration information.** The copier may need to be recalibrated because it has been too long since it was calibrated or because it is using a different target.
Color file prints in black and white.	• **In the Color Matching dialog box, make sure that Color/Grayscale or ColorSync Color Matching or PostScript Color Matching is selected (not Black and White).** • **Make sure that the Color Mode print option is set to CMYK or Standard Color/Expert Color (Windows 95/98) and not Grayscale.**

If this happens:	Try this:
Desktop Color Separations (DCS) format images print incorrectly.	• **Make sure that you selected the correct options to send separations in the application's Print dialog box.** • **Make sure that you have the file for every layer of separation that you are printing.** • **Set the Combine Separations option to On.** This combines the high-resolution files for an image and prints them. With Combine Separations Off, the low-resolution master file will print.
QuickDraw fill patterns print as solids.	• **Use the Adobe PostScript Printer driver (or the Apple LaserWriter 8.3 or later printer driver).**

Problems with Fiery Downloader

If this happens:	Try this:
General problems	• **Make sure that you are using the latest version.** If you are updating your Fiery to new system software, delete the previous version of Fiery Downloader from your Windows or Mac OS computer and install the latest version to insure full compatibility. • **Make sure the connection is configured correctly.** For instructions, see *Getting Started*.
You cannot connect to the Fiery from Fiery Downloader.	• **Make sure that the Fiery is not being calibrated from the Control Panel.** If the Fiery is being calibrated from the Control Panel, you can select it in the Chooser, but you cannot connect to it. This insures that only one person is calibrating the server at any time and that print jobs do not use unexpected calibration.

If this happens:	Try this:
You can't print an EPS file using Fiery Downloader.	• **Try printing using the 'showpage' after EPS files (Windows) or 'showpage' (Mac OS) option in the Download PostScript File dialog box.** This option adds a showpage PostScript language command at the end of the print job. Certain applications omit this necessary PostScript language command when they generate EPS files. You'll need to select the Append Showpage option when printing EPS files generated by these applications. If you continue having difficulties printing an EPS file with Fiery Downloader, try printing the file from the application in which it was created. • **Make sure the EPS file was saved *without* a preview image header.** Preview image headers are useful when images are placed in documents with page layout applications, but they cause problems when images are downloaded directly. • **Make sure that the job does not contain a PostScript error.** Check with the operator, or use the Command WorkStation, Fiery WebSpooler, or Fiery Spooler to check the job's status. Jobs with a PostScript error appear with an Error icon.
You have problems downloading a font with Fiery Downloader.	• **Check with the administrator to make sure that the Direct connection is enabled.** The Direct connection must be used to download fonts.
Extra blank page prints after a Fiery Downloader job.	• **Turn off the 'showpage' after EPS files (Windows) or 'showpage' (Mac OS) option.** This option adds a special PostScript command that will cause an extra blank page to print if it is not needed.

Problems with Fiery Scan

If this happens:	Try this:
Fiery Scan main window does not appear after launching.	• **Check to see if the TWAIN module(s) installed by Adobe Photoshop are located in the correct folder. If not, reinstall Adobe Photoshop software.**

Problems with Fiery WebTools

If this happens:	Try this:
General problems	• **Clear the cache (Netscape Communicator) or history (Microsoft Internet Explorer).**

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