Fiery SI Color Server

USER GUIDE

for Xerox digital copier printers

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Before You Begin

The Fiery SI Color Server enables you to use your color copier as a networked printer and scanner. You can use the Fiery SI to print final documents or to proof jobs you will later print on an offset press. You can print to the Fiery SI as you would print to a LaserWriter or other printer—you select it from the Macintosh Chooser or Windows Printers dialog box, and then print from within any application.

You can print to the Fiery SI from networked Apple Macintosh computers, from networked IBM PC or compatible computers running Microsoft Windows, and from networked UNIX workstations running TCP/IP. In addition, you can use the parallel port to print directly from a PC.

How the Fiery SI works

The Fiery SI is a special-purpose controller that enables you to use a color copier as a printer by connecting it to networked computers. It also enables you to scan a document from the copier and work with the scanned image on your computer.

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

Macintosh and PC computers communicate with the Fiery SI by means of a Printer Driver application. Printer description files enable you to use special features of the Fiery SI from the Print dialog box.

About the documentation

This guide is part of the set of Fiery SI documentation that also includes the following manuals for users and system administrators:

- *Getting Started* describes how to install the software from the User Software CD or from floppy disks and how to set up printing.
- The *Administrator Guide* explains basic configuration and administration of the Fiery SI for the supported platforms and network environments. It also includes guidelines for setting up UNIX, Windows NT, and NetWare servers to provide PostScript printing services to clients.
- *Release Notes* include information about changes in the current release of system and user software, last-minute information, and information to help you use them efficiently.

Using this manual

This manual includes the following topics:

- Printing from a Macintosh
- Printing from a Windows PC
- Scanning jobs from a Macintosh or Windows PC
- Using the Macintosh and Windows Downloader and Spooler
- Calibrating the Fiery SI
- Printing from UNIX
- Appendixes—Includes a list of Fiery SI error messages, examples of the printer fonts installed on the Fiery SI, troubleshooting information, information about setting and overriding job settings.

World Wide Web

You can visit the Electronics for Imaging World Wide Web page to download the latest information and software. In addition, the WWW page contains marketing and corporate information about Electronics for Imaging. The address is:
http://www.efi.com

Safety warnings

The Fiery SI display window is a liquid crystal display (LCD) that is made of glass and can break. Do not subject it to strong shocks.

If the display window breaks and the liquid crystal material leaks out, do not inhale, ingest, or touch it. If the material gets on your skin or clothing, wash it off with soap and water immediately.

Do not touch or put pressure on the panel. This will change the color of the panel.

Cleaning the Fiery SI

Clean the Fiery SI with a soft cloth moistened with isopropyl alcohol or ethyl alcohol. *Never* use water or ketone as these may permanently alter the display.

System requirements for Macintosh users

For installation of user software, you need A CD-ROM drive. This can be either an internal CD-ROM drive in your Macintosh or an external drive with the appropriate cable and software to run on your computer.

To use the Fiery SI with a Macintosh computer, you need:

- Any Macintosh computer in the Macintosh II, Quadra, Centris, Performa, or Power Macintosh families that has at least 4MB of RAM and EtherTalk® Phase 2 installed
- Apple System software version 7.0 or later
- Adobe® PostScript® Printer Driver version 8.0 or later, or Apple® LaserWriter® driver version 7.0 or later; and PPD (PostScript Printer Description) files

  (The current version of the Adobe PostScript Printer Driver and the PPD files are included with the Fiery SI User Software.)
- To use Fiery XJ Scan™, Adobe Photoshop™ version 2.5 or later
- To use the paging feature of Fiery XJ Spooler, an alphanumeric pager and PageNOW! software version 1.5 or later. PageNOW! is available from Mark/Space Softworks: 1-800-799-1718. (United States and Canada only)

System requirements for Windows users

For installation of user software, you need A CD-ROM drive. This can be either an internal CD-ROM drive in your PC or an external drive with the appropriate cable and software to run on your computer.

To use the Fiery SI with an IBM PC or compatible, you need:

- An IBM PC or compatible with an 80386, 80486, or Pentium processor and at least 4MB of RAM
- A mouse that is supported by Windows
- MS-DOS version 5.0 or later
- Microsoft® Windows version 3.1 or later, Windows 95, or Windows NT
- To use Fiery XJ Scan, Adobe Photoshop version 2.5 or later
- To print to the Fiery SI from Windows, you need to use a PostScript printer driver and PostScript Printer Description (PPD) file. These drivers and PPD files are included with the User Software. Use the Adobe PostScript Printer Driver for Windows version 3.0.1 with Windows 3.1x. Use version 4.1 with Windows 95.

  Windows 3.1x users can use the PostScript Printer Driver that came with the Windows3.1 system software; however, all Fiery SI printing features will not be available.
- To print from computers running Windows NT, you can use the PostScript driver delivered with the operating system, and the Fiery SI PPD file provided with the User Software.

Networking requirements

For network use with Windows 3.x, you need

- Farallon PhoneNET PC software version 3.1 or later (for AppleTalk) or COPSTalk for Windows version 1.2f or later (for AppleTalk); or SPX/IPX protocol (Novell), Ethernet, or Token Ring

For network use with Windows 95, you need

- TCP/IP networking protocol or SPX/IPX networking protocol (Novell)

For network use with Windows NT, you need TCP/IP networking protocol

IPX (Novell)

- With an IPX (Novell) network, you need a Novell file server running NetWare software version 3.11 or later that supports Frame Ethernet 802.3 or 802.2, or Ethernet II.

System requirements for UNIX users

To use the Fiery SI with a UNIX workstation, you need:

- Workstations with Standard TCP/IP Ethernet connectivity supporting the lpr protocol in compliance with RFC 1179
- TCP/IP printing software that conforms to RFC1179 (Berkeley lpr protocol)

Specifications

The Fiery SI has the following features:

- 32MB RAM
- CPU R4600/R4700, 100 MHz
- Supports AppleTalk, TCP/IP, and IPX protocols simultaneously
- Supports EtherTalk Phase 2
- Supports thinnet (by transceiver), thicknet, and twisted pair cabling
- Supports token ring networking with additional optional hardware
- Supports Adobe PostScript Level 2 CPSI
- Includes 39 PostScript fonts

  You can use the Fiery XJ Downloader or any third-party LaserWriter downloader, such as the Adobe Font Downloader, to download additional fonts
- Built-in EFICOLOR color management
- Internal 2.1GB hard disk drive.
- For installation of Fiery SI system software—CD-ROM drive and 50-pin SCSI cable to connect the drive to the Fiery SI's SCSI port

Supported paper sizes

The Fiery SI supports the following paper sizes:

- Letter, Letter SEF
- A4, A4SEF
- 8” x 10”
- 9” x 12”
- Legal (216mm x 356mm)
- Legal 13 (216 x 330mm)
- Tabloid (11” x 17”)
- A3
- Postcard
- The 5750 also supports A6SEF and 12” x 18” paper sizes.

Resolution

The Fiery SI prints at 400 dots per inch (dpi) on all supported paper sizes.

The Fiery SI scans at a maximum resolution that is dependent on the size of the scanned area. For letter or A4 paper sizes, the maximum scan resolution is 200 dpi. For an area that is roughly one-fourth the size of letter/A4, the maximum scan resolution is 400 dpi.

Chapter 1: Operating the Fiery SI

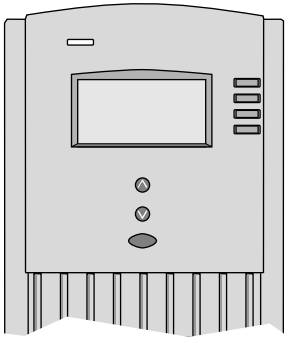
You can use the Fiery SI control panel to view status information about jobs, print special pages, and set up printing. For information about Setup options and how to use them, see the *Administrator Guide*.

Using the Control Panel

The Control Panel on the front of the Fiery SI enables you to access special features and view information about jobs printed to the Fiery SI.

It comprises the following parts:

- Activity light that indicates current Fiery SI activity
- Line selection buttons
- Up and down arrow buttons
- Menu button
- Display window showing status information and options for setting up the Fiery SI



Activity light

The activity light indicates the current Fiery SI activity. If the light is:

Solid red	There is an error causing printing and scanning to be disabled, and the Fiery SI is idle.
Flashing red	There is an error causing printing and scanning to be disabled, but the Fiery SI is still processing. The light changes to solid red when it is finished processing.
Solid green	The Fiery SI is idle.
Flashing green	The Fiery SI is processing or printing a job, or communicating with a remote computer—for example, through the Fiery XJ Spooler.
No light	The Fiery SI is off or starting up.

Buttons

Line selection buttons	There are four line selection buttons on the right side of the Control Panel. Use these buttons to select the command displayed on the corresponding line of the display window. A special character (>) appears in the display window next to a button when it is active.
Up/down arrow buttons	Use these buttons to scroll to different screens in multi-screen lists, to select Setup options from a list of available options, and to select alphanumeric characters.
Menu button	Press this button to view other screens. Under normal operation, the Control Panel displays the Info Status screen with information about the status of the Fiery SI. If you press the Menu button, the Functions menu is displayed and you can perform additional operations. If a job is processing or printing, press the Menu button to display the RIP Status screen or Print Status screen.

Display window

The display window provides information about the status of the Fiery SI, displays menu information, and enables you to view and edit information in the Setup menus.

The last line of the display window displays text that tells you what screen you are looking at and highlights one of the icons to indicate what the Fiery SI is doing. Only the icons for the screens that are currently available appear.

The screens are:

Alert Status — If there is a problem with processing a job or printing functions, an error message appears on the Control Panel. For information on error messages, see Appendix A “Error Messages.”

Print Status — When the Fiery SI is printing or scanning a job, the Print Status screen appears. This screen displays the following:

Cancel Job—Press the top line selection button to cancel the job currently printing.

User name—The name of the user who sent the job currently processing.

Pages/Total—The number of copies of the current page printed and the total number of copies of the page requested.

RIP Status

When the Fiery SI is processing a job, the RIP Status screen appears. This screen displays the following:

Cancel Job—Press the top line selection button to cancel the job currently processing. The Fiery SI cancels the job before printing begins.

Document name—The name of the document currently processing.

User name—The name of the user who sent the job currently processing.

Kilobytes—The amount (in kilobytes) of the job processed so far.

Info Status

When the Fiery SI is not processing or printing a job, it displays information about the current server and software. It displays the following information:

Server Name—The Fiery SI name.

Status—The current status of the Fiery SI. The Fiery SI status can be: Idle, Initializing, Busy, Processing, Printing, or Scanning.

Number of MB—The space (in megabytes) available on the Fiery SI hard disk.

Version—The system software version running on the Fiery SI.

Functions

You can press the Menu button to display the Functions menu. Use the up and down arrow buttons to scroll through the list. Press the line selection button to the right of the command to select it.

Functions menu

You can choose the following commands from this menu:

Choose:	To do this:
Print Pages	Print special pages from the Fiery SI. You can print the following pages from the submenu that appears: Test Page—A test page enables you to confirm that the Fiery SI is properly connected to the copier and provides color and grayscale samples to troubleshoot problems with the copier or the Fiery SI. The following information is listed: Server Name, Printer Model, Color Mode, Calibration, Target, Color Rendering , and Date and Time printed. Configuration—Prints the Configuration page, which gives the current server and device configuration. This page lists general information about the hardware and software configuration of the Fiery SI, the current options for all Setup settings, information about the current calibration, and the ethernet and token ring addresses (if applicable) of the Fiery SI. Job Log—Prints a log of the last 55 jobs. For information on the fields in the Job Log and on printing it in other forms, see “Using the Job Log” on page 5-22. Control Panel Map—Prints the Control Panel Map, which is an overview of the screens you can access from the Control Panel. For information about using these screens to set up the Fiery SI, see the *Administrator Guide*. Color Charts—Prints samples of the RGB, CMY, and PANTONE colors available from the Fiery SI. Font List—Prints a list of all fonts resident on the hard disk.

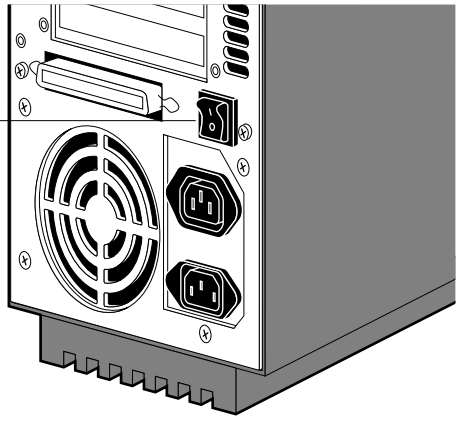
Suspend Printing	Suspend communication between the Fiery SI and the copier. You can suspend printing if you want to interrupt the current Fiery SI job so that you can use the copier to make copies. Jobs continue to process on the Fiery SI and after you make the copies, you can select Resume Printing and the copier will continue printing jobs.
Resume Printing	Resume communication between the copier and the Fiery SI after you have finished making copies.
Run Diagnostics	This command is provided for service representatives. Use the line selection buttons to select the diagnostic test you want to run and choose OK. Contact your authorized service/support technician for information about these diagnostics.
Reboot Server	Shut down all Fiery SI activity in the correct manner and then restart. You should use this option instead of the switch on the rear of the Fiery SI.

Starting and shutting down the Fiery SI

Generally, you can leave the Fiery SI running all the time. This section describes how to shut down and restart the Fiery SI when necessary.

Starting the Fiery SI

To start the Fiery SI, move the switch on the rear of the Fiery SI to the On position.



Power switch in the off position

Diagnostic messages appear on the Control Panel. If any diagnostics fail, more information and instructions appear. Contact your service representative if the Fiery SI encounters problems while running the diagnostics.

When the diagnostics are finished, the following message is displayed:

For software update or setup press any key

If you want to change the Setup options, press one of the buttons; if you do not press a button, the Fiery SI continues starting up and displays the message Idle when it is ready to receive data.

If you press a button, the following options appear:

Choose:	To do this:
Run Setup	View the options in the Setup menus. For information on these settings, see the *Administrator Guide*.
Install Software	Install new system software. This should be done only by your Fiery SI service representative.
Format Disk	Reformat the Fiery SI hard disk. This should be done only by your Fiery SI service representative.

Restarting the Fiery SI

You should use the procedure described in this section to restart the Fiery SI rather than using the power switch on the rear of the Fiery SI.

TO RESTART THE FIERY SI:

1. **Make sure that the Fiery SI is not receiving, processing, or printing a document.**

   Make sure that the status message on the Control Panel is Idle.

   NOTE: If a job from the Print Queue is processing, it will continue processing and print after the Fiery SI is restarted; if a job sent to the direct connection is processing, it will not finish processing or printing.

2. **Press the Menu button to display the Functions menu.**

3. **Use the down arrow button to scroll to the last screen and choose Reboot Server.**

Shutting down the Fiery SI

You may need to shut down the Fiery SI for service. When you do so, fonts that have been downloaded to the hard disk drive are not deleted. Print jobs in the Hold and Printed queues and jobs that have been processed but not printed are not deleted and are available for printing when you restart the Fiery SI.

TO SHUT DOWN THE FIERY SI:

1. **Make sure that the Fiery SI is not receiving, processing, or printing a document.**

   Make sure that the status message on the Control Panel is Idle.

   NOTE: If a job from the Print Queue is processing, it will continue processing and print after the Fiery SI is restarted; if a job to the direct connection is processing, it will not finish processing or printing.

2. **Press the Menu button to display the Functions menu.**

3. **Scroll to the final screen and select Reboot Server.**

   You should always select Reboot Server before you turn the Fiery SI off to ensure that no jobs are lost.

4. **Switch off the Fiery SI when it restarts.**

Chapter 2: Printing with Macintosh Computers

You can print to the Fiery SI just as you would print to a LaserWriter or other printer. First, select the Fiery SI as the current printer in the Chooser, then print the file from within your application. Depending on the application and printer driver you are using, you may need to use the Page Setup dialog box to set printing options after you select the Fiery SI in the Chooser.

Printing from applications

You can print to the Fiery SI from applications by selecting a Fiery SI in the Chooser. If you have installed the Adobe PostScript Printer Driver 8.0 or later or the LaserWriter Printer Driver version 8.0 or later, you can override some of the printer settings on the Fiery SI in the Print Options dialog box.

TO SELECT THE FIERY SI AS THE CURRENT PRINTER:

1. **Make sure that the Fiery SI is connected to your network and turned on.**
2. **Select Chooser from the Apple menu.**
3. **Click the PSPrinter icon or the LaserWriter icon to select it.**

   Select PSPrinter if you are using the Adobe PostScript Printer Driver; select LaserWriter if you are using the LaserWriter Printer Driver.
4. **If your network is divided into zones, select the zone in which the Fiery SI is located.**
5. **Select the Fiery SI in the list that appears.**

   The names of all supported printers in the zone appear in the Chooser window.

   NOTE: If your system administrator disabled the connection to one of the queues or the direct connection, the corresponding name will *not* appear in this list.
6. **Make sure that AppleTalk is Active, set Background Printing to Off, and then click the close box to quit the Chooser.**

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

TO PRINT FROM A MACINTOSH APPLICATION:

1. **Make sure that any printer description files needed by the application are installed on your Macintosh.**

   See *Getting Started* for information on which files you need and where to install them.

2. **Open the file you want to print from within the application.**

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

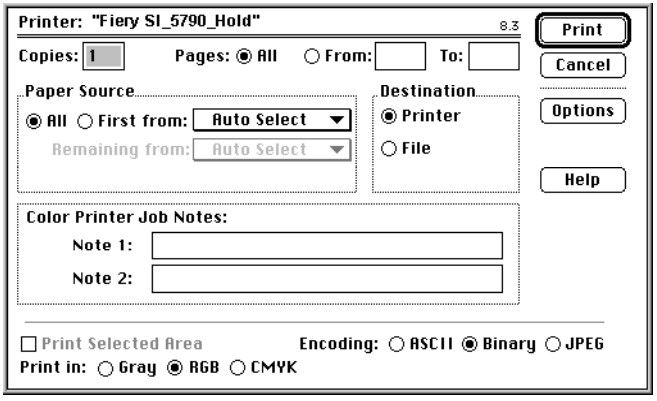
4. **Select printing options in the Page Setup dialog box and click OK.**

   If you are using the LaserWriter printer driver and the Page Setup dialog box lets you select from a pop-up menu of available printers, choose the Fiery SI.

   NOTE: The Text Smoothing, Graphics Smoothing, and Faster Bitmap Printing options have no effect on files printed with the Fiery SI.

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

6. **Select the settings you want.**



NOTE: Print dialog boxes vary across applications and printer drivers.

If you can select a Paper Source, specify the paper tray to use for the job. For example, you can specify that the job should be printed on the paper or transparencies in the bypass tray.

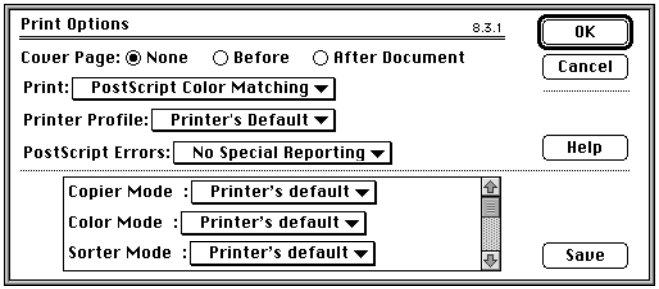
Make sure that a color option is selected; otherwise, your color file may print in black and white.

If you are using the Adobe PostScript Printer Driver version 8.3, you can enter notes in the Note 1: and Note 2: area at the bottom of the dialog box. These notes will appear in columns in the Job Log.

If the Print dialog box lets you select from a pop-up menu of available printers, choose the Fiery SI.

7. Click Options to specify additional information for the print job.

NOTE: The LaserWriter Printer Driver and the Adobe PostScript Printer Driver version 8.3 may show different options. See your documentation for information.



Selecting ColorSync Color Matching, activates the ColorSync ICC profiles. If you choose this option, be sure to select the Printer Profile that corresponds to your copier. Selecting PostScript Color Matching activates color rendering dictionaries. If you use this option, leave the Printer Profile option as Printer's Default. Then select a CRD from the Rendering Styles pop-up menu in the lower part of the window.

Options in the lower portion of this dialog box are specific to the Fiery SI. They override settings in the Printer Setup on the Fiery SI. (You must scroll to see all the pop-up menus.)

You can override some of these settings in the Fiery XJ Spooler Override Print Settings dialog box.

If you choose Printer's default, the Fiery SI prints according to the setup options entered on the Control Panel.

NOTE: Photoshop RGB images saved in EPS format may activate color rendering dictionaries even if the Color/Grayscale option is selected.

8. **Click** Save **after you change the options to make the new settings your default settings.**

   For information about these options, see Appendix D "Setting Job Overrides."

9. **Click OK to accept your options, and click Print to print.**

Printing pages from the bypass tray

You can use the Fiery SI to print manually fed pages on the copier if you want to print on special paper or transparencies. You can use the Fiery SI to print on 16–24 pound paper (60–90 gsm), thick paper (28–32 pound/105–120 gsm) or Xerox-recommended transparencies from the bypass tray. You can also use the bypass tray for paper sizes such as A6 and 11" x 18" (model 5750 only).

There are several ways to print manually fed pages:

- From the Control Panel, you can set Enable Bypass Tray as default to Yes to print all jobs from the Bypass Tray unless another tray is specified.
- From within the Fiery XJ Spooler, select a job, choose Override Print Settings and set the Bypass Tray option to On.
- For many applications, you can use the following procedure and choose Bypass Tray in the Print or Page Setup dialog box.

TO PRINT PAGES USING THE BYPASS TRAY:

1. **Make sure that the Use Bypass Tray option on the copier panel is set to No.**

   NOTE: If you select Bypass as your paper supply on the copier, the copier will be in Copier Mode and unavailable for printing.

2. **Load paper or transparencies into the bypass tray.**

   You can load up to 40 sheets.

3. **Press the Clear All button on the copier.**

4. **From your application, choose Bypass Tray as the Paper Source in the Page Setup or Print dialog box.**

   If Interleaved mode is chosen in the Print Options dialog box, one of the paper trays must be loaded with a paper the same size and orientation as the transparencies in the bypass tray.

5. **Select the correct page size in the Page Setup or Print dialog box.**

6. **Click Print in your application.**

Using the color reference pages

The Fiery SI User Software includes several types of color reference pages that you can view and print to see the full range of colors available from your Fiery SI.

- The CMYK Color Reference pages enable you to view and print CMYK color patches in the range of colors the Fiery SI can print.
- Color Charts is a downloadable PostScript file of the Color Charts that can be printed from the Control Panel.
- The RGB Color Reference pages are a Microsoft Word and a Microsoft PowerPoint file that you can open in the application to view the colors available in the standard palette for that application and see how they print on the Fiery SI.
- The PANTONE books are downloadable PostScript files that simulate all of the PANTONE colors available from your Fiery SI.

The CMYK Color Reference PostScript file and the PANTONE books are installed with the installer. The other color reference pages are in the Color Files folder on your User Software CD. You can install them individually as needed as described in *Getting Started*.

NOTE: When you print these files, you can try different color rendering styles to find the best results for your needs.

CMYK Color Reference pages

The Color Reference folder contains a PostScript file of color reference pages that you can download to the Fiery SI. You can use the pages as a reference for graphics applications that allow you to specify color as values of cyan, magenta, yellow, and black. The pages display groups of color patches and give you the percentage of each process color required to achieve the color shown. There are 11 pages—each one shows colors from 0% to 100%.

TO PRINT AND USE THE CMYK COLOR REFERENCE PAGES:

1. **Use the Fiery XJ Downloader to download the CMYK Reference.ps file.**

   For information on using the Fiery XJ Downloader, see "Downloading files and fonts" on page 5-1.

2. **Select the color that you want to use from the color reference page.**

3. **Enter the corresponding cyan, magenta, yellow, and black values in any application that supports CMYK.**

Color Charts

The color charts are a PostScript version of the color charts you can also print from the Control Panel. They are designed to look best when the copier is calibrated to the copier standard and not one of the press standards.

TO PRINT AND USE THE COLOR CHARTS:

- **Use the Fiery XJ Downloader to download the Colorchart.ps file in the Color Charts folder from the Color Files folder on the User Software CD or Floppy Disks.**

  For information on using the Fiery XJ Downloader, see "Downloading files and fonts" on page 5-1.

RGB Color Reference pages

The application pages display the RGB colors available in Microsoft Word and PowerPoint.

TO PRINT AND USE THE RGB COLOR REFERENCE PAGES:

1. **Open Microsoft Word 6.0 or later or PowerPoint 4.0 or later.**
2. **Open the RGB page 01 (Word) or RGB page 02 (PowerPoint) file in the Color Files:Application pages:RGB Color Reference folder from the Color Files User Software CD or floppy disk.**
3. **Choose Print from the File menu.**
4. **Select the color that you want to use and enter the corresponding values for colors you want to reproduce in your own Word or PowerPoint document.**

PANTONE books

The PANTONE book files print standard PANTONE colors as they appear when printed on a Fiery SI. There are PANTONE books that simulate coated and uncoated paper stock for all supported devices.

TO PRINT AND USE THE PANTONE BOOKS:

1. **Use the Fiery XJ Downloader to download the Coated or Uncoated PostScript file that corresponds to your device.**

   These files are installed in the Color Reference folder by the installer. For information on using the Fiery XJ Downloader, see “Downloading files and fonts” on page 5-1.

2. **Enter the PANTONE color number in an application that supports specifying colors that way.**

Chapter 3: Printing with PC-Compatible Computers

The Fiery SI enables you to print from an IBM PC-compatible computer connected to the Fiery SI. This section describes how to print to the Fiery SI from Windows.

For information on setting up the Windows environment for printing with Windows servers connected to the Fiery SI, see the *Administrator Guide*. For information on how to connect to the Fiery SI over the network, install printer drivers, and install the Fiery SI utilities, see *Getting Started*.

Printing to the Fiery SI

You can print files directly to the Fiery SI from within your Windows application. If you plan to print files at another location, you should follow the procedures described in "Saving files to print at a remote location." You can print from a PC connected to the parallel port on the Fiery SI. This PC can also be a Novell server.

Printing from applications

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

Saving files to print at a remote location

If you do not have a Fiery SI and are preparing files to take to a service bureau or other location, you should print your final files to the File port. You can also print to the File port to create a file to be downloaded with the Fiery XJ Downloader.

Printing to the parallel port

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

NOTE: You cannot use the Fiery SI utilities through the parallel port.

TO PRINT FILES WITH THE PARALLEL PORT:

1. **Make sure that parallel printing is enabled on your Fiery SI.**

   Print the Configuration page to see if parallel port printing is enabled. See the *Administrator Guide* for information about setting up parallel printing on the Fiery SI and *Getting Started* for information about setting up parallel port printing on your PC.

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

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

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

   If you are printing a PostScript file in binary format (not ASCII), verify that the Network Setup option Ignore EOF character is set to Yes. You can use the Functions menu on the Fiery SI to print the Configuration page to view the settings for all Setup options.

Setting printing options

Once you have installed the Fiery SI printer driver file, you can select the printer settings you prefer. You can also change some of these settings for a particular file from within your application when you send the file to the Fiery SI.

Printing with Windows 3.x

You can use the Fiery SI with either the Adobe PostScript Printer Driver (ADOBEPS.DRV) included with the Fiery SI or the Windows PostScript Printer Driver (PSCRIPT.DRV) included with your Windows software.

Printing with Windows 95

To print from Windows 95 applications over a network, you must be connected to a print server. This can be a Novell NetWare server, NT server, or UNIX server. See the *Administrator Guide* for information about connecting a server to the Fiery SI.

You can print from Windows 95 with the Adobe PostScript Printer Driver for Windows version 4.1.

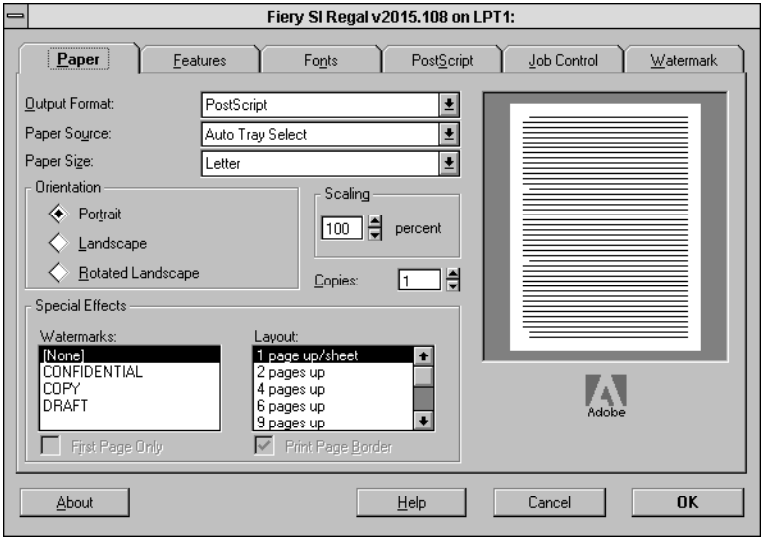
Printing with Windows NT

You can print from Windows NT with the Printer Driver included with Windows NT. It does not support additional PostScript Level 2 features, so you cannot set any Fiery SI-specific options. See *Getting Started* for information about the Windows NT Printer Driver.

TO CHANGE THE PRINTER SETUP WITH THE ADOBE POSTSCRIPT PRINTER DRIVER WITH WINDOWS 3.X:

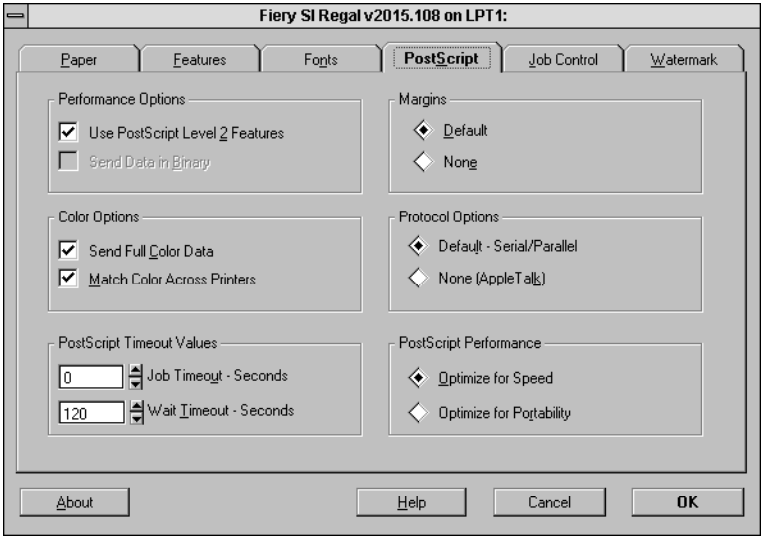
1. **For Windows 3.x, in the Main group, double-click the Control Panel icon.**
2. **Double-click the Printers icon.**
3. **For Windows 3.x, in the Printers dialog box, select the Fiery SI in the Installed Printers box. Then click the Setup button.**
4. **Select the paper size and paper orientation in the Paper dialog box.**

   If you can select a Paper Source, specify the paper tray to use for the job. For example, you can use this dialog box to specify that the job should be printed on the pages in the bypass tray.



5. **Click the PostScript tab.**

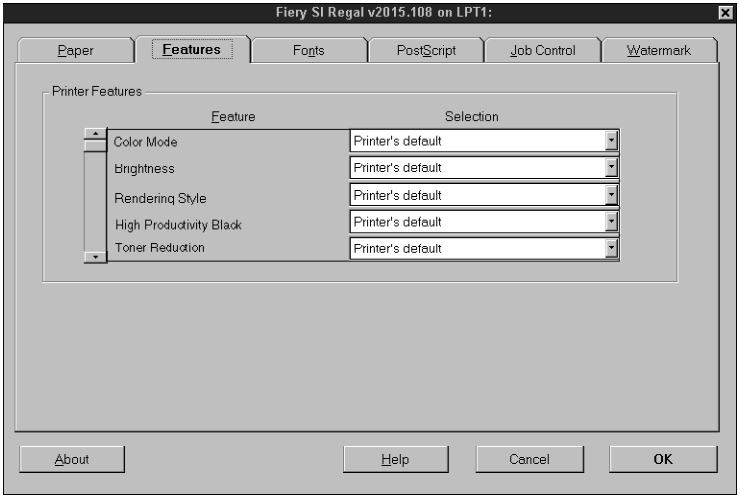
6. Select the appropriate information for your file and click OK.



Select Use PostScript Level 2 Features, Send Full Color Data, Match Color Across Printers, Margins: Default, Protocol Options: Default, and PostScript Performance: Optimize for Speed.

NOTE: Setting Match Color Across Printers activates the color rendering dictionaries.

7. **Click the Features tab to display the Features window, select the appropriate settings, and then click OK.**



The options in this window are specific to the Fiery SI. (You must scroll to see all the pop-up menus.)

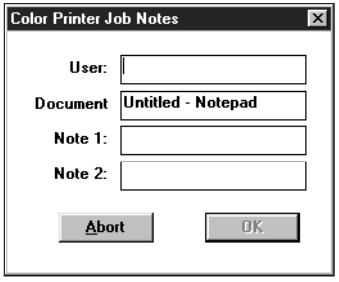
The settings you select in the Paper, Features, and PostScript windows override the settings specified in Printer Setup on the Fiery SI. You can override some of these settings in the Fiery XJ Spooler Override Print Settings window.

If you choose Printer's default for any of the options in the Features dialog box, the Fiery SI prints with the default value for the server, or the information entered during Control Panel Setup. For information about these options, see Appendix D "Setting Job Overrides."

TO PRINT WITH THE ADOBE POSTSCRIPT PRINTER DRIVER WITH WINDOWS 3.X OR WINDOWS 95:

1. **Choose Print in your application.**

   The Color Printer Job Notes dialog box appears.



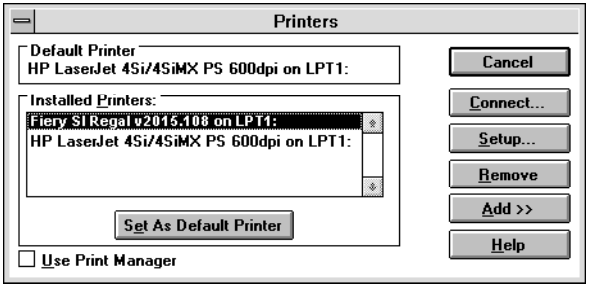
2. **Enter your User and Document name and any notes in the Note 1 and Note 2 boxes.**

   This information will appear in the Job Log.

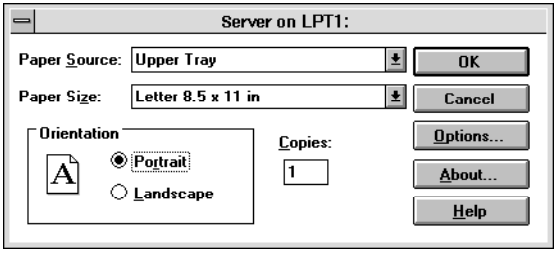
   NOTE: If you are using Windows 95, you do not have to enter the User and Document information.

TO CHANGE THE PRINTER SETUP WITH THE WINDOWS 3.X POSTSCRIPT PRINTER DRIVER:

1. **In the Printers dialog box, select the Fiery SI in the Installed Printers list box and click Setup.**

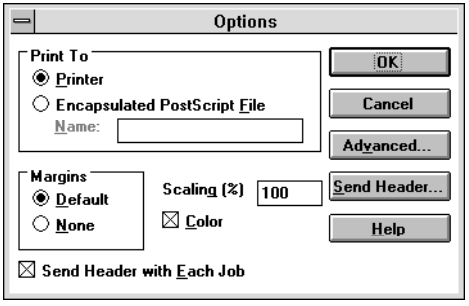


2. **Use the Print Setup dialog box to specify information about the printer setup such as the paper size and paper orientation.**



NOTE: Print Setup dialog boxes vary across applications.

3. **Click Options in the Print Setup dialog box.**



Do not use the Encapsulated PostScript File option when you are printing to the Fiery SI. This option is for files you wish to import into other applications.

Make sure that the Color checkbox is selected.

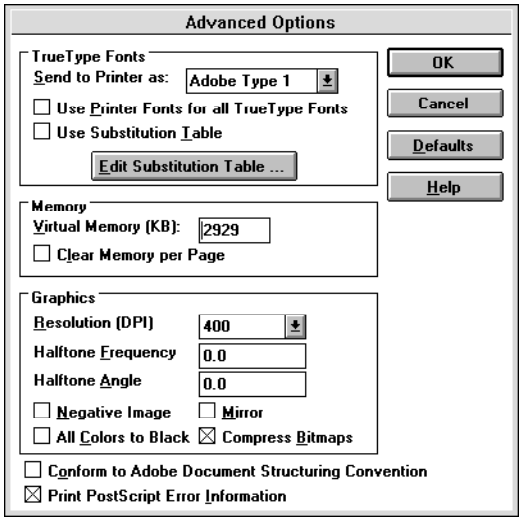
Make sure that the Send Header with Each Job checkbox is selected. This option ensures that all the correct PostScript information is sent to the Fiery SI.

Select the Default option under Margins for best printing results.

You can change the size of the image by changing the Scaling factor in this dialog box, or you can control the image size from within your application.

4. **Click Advanced to set additional options.**

   The Advanced Options dialog box appears. This dialog box allows you to set advanced printing options.



   You can use this dialog box to choose how to send TrueType fonts to the Fiery SI. In most cases, you should set the Send to Printer option to Adobe Type 1, and you should not use the Use Substitution Table option. Click Help for more information about TrueType conversion options.

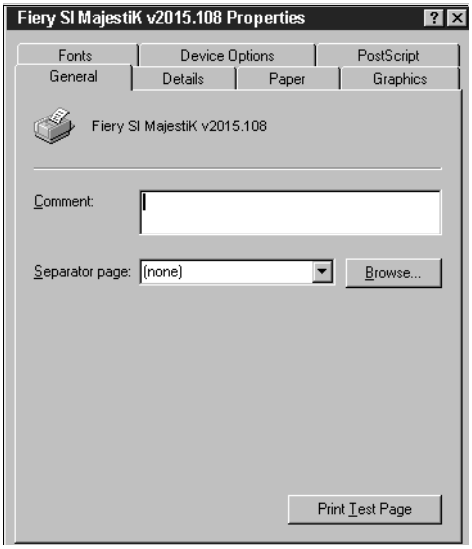
   The Resolution box displays only the option of 400 dpi because the Fiery SI is a 400 dpi printer. Halftone settings have no effect on the output. Selecting Negative Image changes black to white, blue to yellow, red to green, etc. This option may not have an effect in all applications. The effect of selecting All Colors to Black varies from one application to another. In some applications this option has no effect. Selecting Mirror prints a mirror image of the original. The Conform to Adobe Document Structuring Convention option should be off. Special effects created with some applications will not print if this option is selected.

5. **Click OK.**

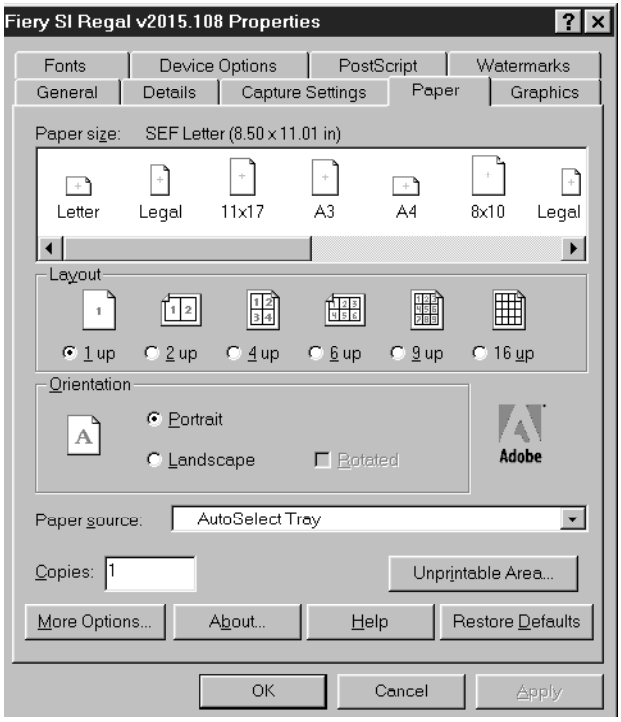
6. **When you have set the printing options, close all the dialog boxes.**

TO CHANGE THE PRINTER SETUP WITH THE WINDOWS 95 PRINTER DRIVER:

1. **Double-click the My Computer icon.**
2. **Double-click the Printers icon.**
3. **Select the icon for your Fiery SI.**
4. **Choose Properties from the File menu.**

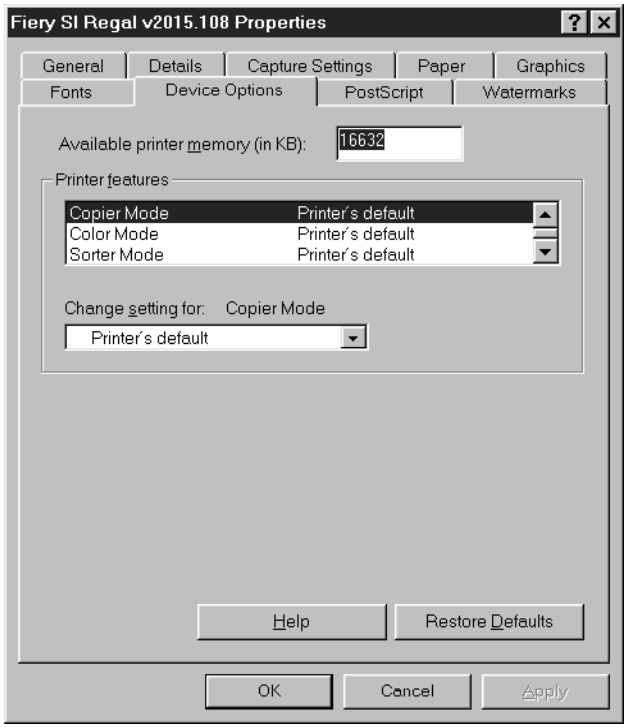


5. **Click the Paper tab and enter information about the paper size and paper orientation.**



6. Click the Device Options tab and select the appropriate settings.

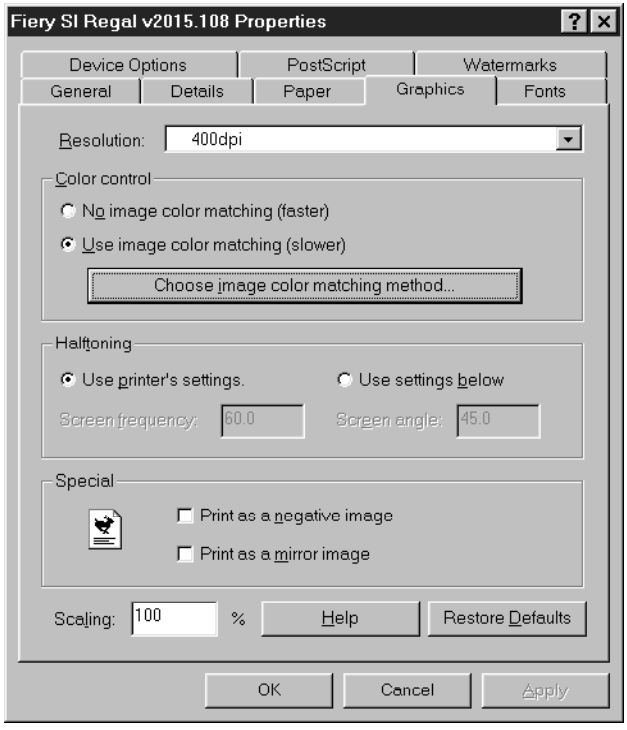
The options in this window are specific to the Fiery SI. For information about these options, see Appendix D "Setting Job Overrides." (You must scroll to see all the pop-up menus.)



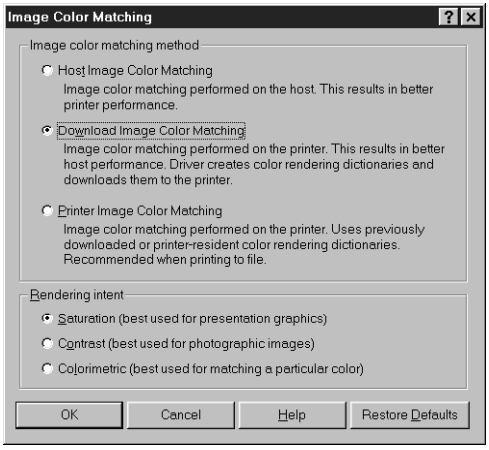
The settings you select in the Device Options window override the settings specified in Printer Setup on the Fiery SI. You can override some of these settings in the Fiery XJ Spooler Override Print Settings window.

If you select Printer's default, the Fiery SI prints according to the setup options entered on the Control Panel

7. **Click the Graphics tab.**



8. **Under Color Control, click image color matching (slower) and then click Choose image color matching method.**



9. **Click to choose a color matching option.**

   Choose Download image color matching.

   If you have installed a color profile and your application is ICM-aware, choosing this option activitates the color rendering dictionaries (CRDs) and allows you to take advantage of PostScript Level 2 features.

10. **Close the printer window.**

Printing pages from the bypass tray

You can use the Fiery SI to print manually fed pages on the copier if you want to print on a special paper or a transparency. You can use the Fiery SI to print on 16–24 pound paper (60–90 gsm), thick paper (28–32 pound/105–120 gsm) or Xerox-recommended transparencies from the bypass tray. You can also use the bypass tray for paper sizes such as A6 and 11" x 18" (model 5750 only).

There are several ways to print manually fed pages:

- From the Control Panel, you can set Enable Bypass Tray as default to Yes to print all jobs from the Bypass Tray unless another tray is specified.
- From within the Fiery XJ Spooler, select a job, select Override Print Settings and set the Bypass Tray option to On.
- For many applications, you can use the following procedure and select Bypass Tray in the Print or Page Setup dialog box.

TO PRINT PAGES USING THE BYPASS TRAY:

1. **Make sure that the Use Bypass Tray option on the copier panel is set to No.**

   NOTE: If you select Bypass as your paper supply on the copier, it will put the copier in Copier Mode and the copier will be unavailable for printing.

2. **Insert the paper or transparencies in the bypass tray.**

   You can load up to 40 sheets.

3. **Press the Clear All button on the copier.**

4. **From your application, select Bypass Tray as the Paper Source in the Page Setup or Print dialog box.**

   If Interleaved mode is selected in the Print Options dialog box, one of the paper trays must be loaded with a paper the same size and orientation as the transparencies in the bypass tray.

5. **Select the correct page size in the Page Setup or Print dialog box.**

6. **Click Print in your application.**

Using the color reference pages

The Fiery SI User Software includes several types of color reference pages that you can view and print to see the full range of colors available from your Fiery SI.

- The CMYK Color Reference pages enable you to view and print CMYK color patches in the range of colors the Fiery SI can print.
- Color Charts is a downloadable PostScript file of the color charts that can be printed from the Control Panel.
- The RGB Color Reference pages are a Microsoft Word and a Microsoft PowerPoint file that you can open in the application to view the colors available in the standard palette for that application and see how they print on the Fiery SI.
- The PANTONE books are downloadable PostScript files that simulate all of the PANTONE colors available from your Fiery SI.

The CMYK Color Reference file and the PANTONE books are installed by the installer. The other color reference pages are in the CLRFILES folder on your User Software CD. You can install them individually as needed as described in *Getting Started*.

NOTE: When you print these files, you can try different color rendering styles to find the best results for your needs.

CMYK Color Reference pages

The Color Reference folder contains a PostScript file of color reference pages that you can download to your Fiery SI. You can use the pages as a reference for graphics applications that allow you to specify color as values of cyan, magenta, yellow, and black. The pages display groups of color patches and give you the percentage of each process color required to achieve the color shown. There are eleven pages—each one shows colors from 0% to 100%.

TO PRINT AND USE THE CMYK COLOR REFERENCE PAGES:

1. **Use the Fiery XJ Downloader to download the CMYK_REF.PS file.**

   For information on using the Fiery XJ Downloader, see "Downloading files and fonts" on page 5-1.

   If you do not have Fiery XJ Downloader installed, print the file as you would any other PostScript file.

2. **Select the color that you want to use from the color reference page.**

3. **Enter the corresponding cyan, magenta, yellow, and black values in any application that supports CMYK.**

Color charts

The color charts are a PostScript version of the charts you can also print from the Control Panel. They are designed to look best when the copier is calibrated to the copier standard and not one of the press standards.

TO PRINT AND USE THE COLOR CHARTS:

- **Use the Fiery XJ Downloader to download the COLORCHT.PS file.**

  For information on using the Fiery XJ Downloader, see "Downloading files and fonts" on page 5-1.

RGB Color Reference pages

The RGB Color Reference pages display the RGB colors available in Microsoft Word and PowerPoint.

TO PRINT AND USE THE RGB COLOR REFERENCE PAGES:

1. **Open Microsoft Word or PowerPoint.**
2. **Open the APLPAGES\RGB_REF folder and open the RGB01.DOC (Microsoft Word) or RGB02.PPT (Microsoft PowerPoint) file.**
3. **Choose Print from the File menu.**
4. **Select the color that you want to use and enter the corresponding values for colors you want to reproduce in your own Word or PowerPoint document.**

PANTONE books

The PANTONE book files print standard PANTONE colors as they appear when printed on a Fiery SI. There are PANTONE books that simulate coated and uncoated paper stock for all supported devices.

TO PRINT AND USE THE PANTONE BOOKS:

1. **Use the Fiery XJ Downloader to download the Coated or Uncoated PostScript file that corresponds to your device.**

   These files are installed in the Color Reference folder by the installer. For information on using the Fiery XJ Downloader, see “Downloading files and fonts” on page 5-1.

2. **Enter the PANTONE color number in an application that supports specifying colors that way.**

Chapter 4: Scanning Jobs

Fiery XJ Scan is a Photoshop plug-in module that enables you to perform additional functions with your Fiery SI. Fiery XJ Scan allows you to scan an image from the copier directly into Photoshop on your computer. This Photoshop plug-in is provided with the Fiery XJ software.

You cannot use the Fiery SI Photoshop plug-ins with the parallel port.

NOTE: The utilities for Macintosh and Windows users are fundamentally the same; differences are noted in this chapter. When you see a window or dialog box illustrated, the Macintosh version comes first, followed by the Windows 95 version.

Scanning documents

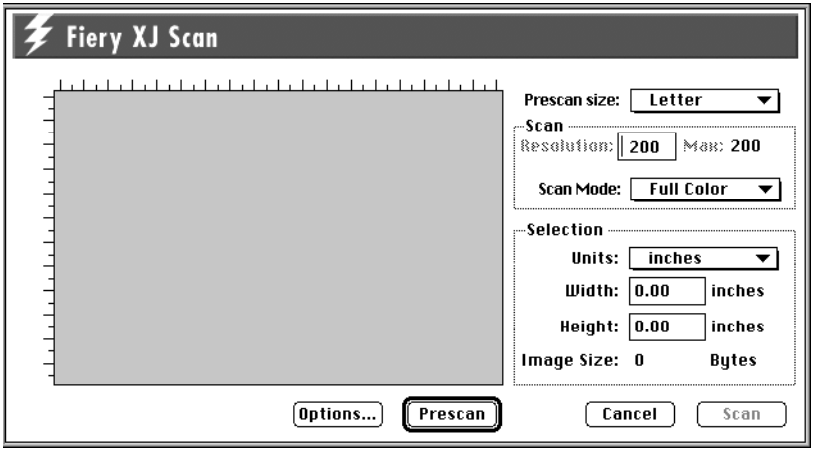
Fiery XJ Scan is a plug-in for use with Adobe Photoshop version 2.5 or later. First you create a prescan of the image; then you can select part or all of the prescan for final scanning.

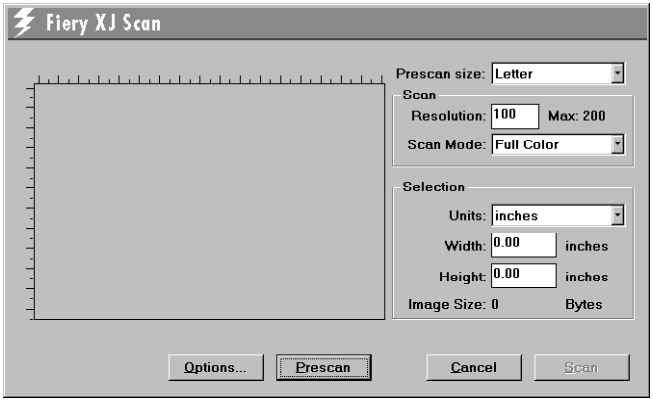
TO PRESCAN A DOCUMENT:

1. **Start the Photoshop application.**
2. **Place the original you want to scan on the copier.**
3. **Choose Fiery XJ Scan from the Acquire submenu of the File menu.**

4. **Select the Fiery SI in the Chooser window that appears and click Connect or OK.**

5. **Specify information about the job in the Fiery XJ Scan main window that appears.**





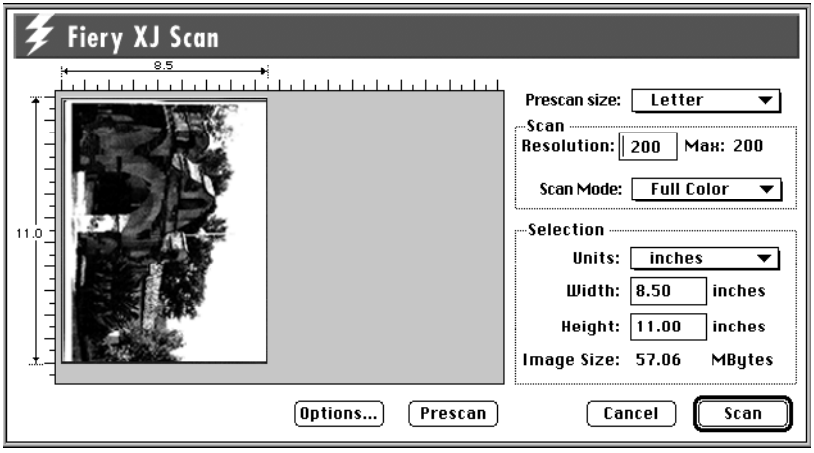
Prescan size—Choose the paper size of the original from the menu. You can scan a Letter or A4 original from the copier.

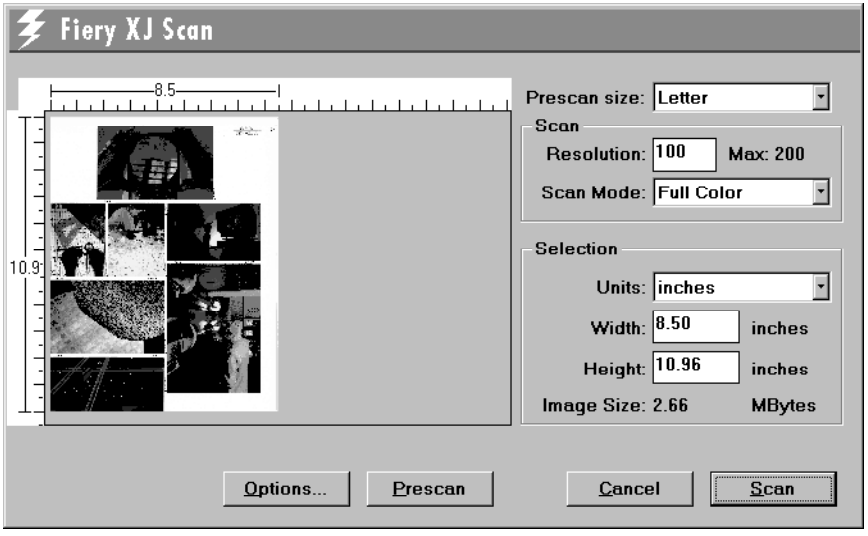
Resolution—Specify a value for the resolution. Changing the resolution changes the image size. The maximum resolution supported by your Fiery SI appears in the dialog box.

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

6. Click Prescan.

The image appears on the left side of the window.





TO SELECT OPTIONS AND COMPLETE THE SCAN:

1. **Drag the cursor to select the area of the prescan image that 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.

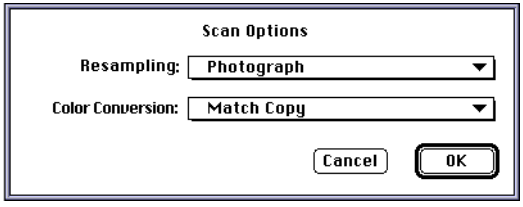
   Width and Height—Enter the Width and Height of the area to scan. If you select an area of the page with the selection marquee, its dimensions appear in these text boxes. If you do not select a prescan area, the default is to acquire the entire scan.

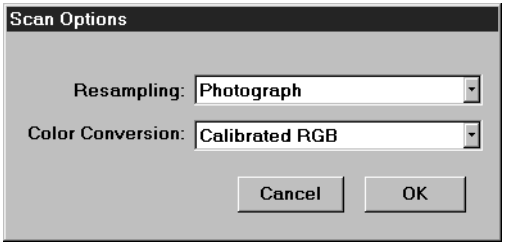
   You can use the selection marquee to select an area of the image that you want to acquire, or you can acquire the entire image. When you select a portion of the image, you can move the selection marquee around by positioning the pointer inside the marquee and dragging the marquee to a new location. If you want to deselect the area you have selected, click outside the selected area. Double-click to reselect the whole scan.

   You can change the size of the frame by clicking and dragging one of the handles on the corners of the selection frame.

   The Fiery SI scans at a maximum resolution that is dependent on the size of the scanned area. For letter or A4 paper sizes, the maximum scan resolution is 200 dpi. For an area that is roughly one-fourth the size of letter/A4, the maximum scan resolution is 400 dpi. If you select a size in this range, you can type a resolution of up to 400 in the dialog box.

2. **If you want to change any options, click Options to display the Scan Options dialog box. Click OK when you are finished.**





Resampling—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 (the default copier CMYK conversion). You should use Calibrated RGB if you will be using EFICOLOR or if you may want to print the image to any other printer. You should choose Match Copy to match colors in a copy from the glass as closely as possible assuming that you are going to print the image to the same copier and you do not want to use EFICOLOR.

3. 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 Cancel to cancel acquiring the scan.

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

Chapter 5: Managing Print Jobs

The following utilities to help you manage print jobs are provided on the User Software CD or floppy disks:

- The Fiery XJ Downloader™ is a utility that allows you to print PostScript and Encapsulated PostScript files directly to the Fiery SI without using the application they were created in. The Fiery XJ Downloader also enables you to manage printer fonts on the Fiery SI.
- The Fiery XJ Spooler™ is a utility that allows you to view the order and priority of print jobs, delete jobs, and move jobs between queues. You can also use it to view job accounting information.

You cannot use the Fiery XJ utilities with the parallel port.

NOTE: The utilities for Macintosh and Windows users are fundamentally the same; differences are noted in this chapter. When you see a window or dialog box illustrated, the Macintosh version comes first, followed by the Windows 95 version.

Downloading files and fonts

You can use the Fiery XJ Downloader to:

- Print PostScript, and Encapsulated PostScript (EPS) files.
- Check the status of the Fiery SI.
- Manage the PostScript printer fonts stored on the Fiery SI's hard disk.

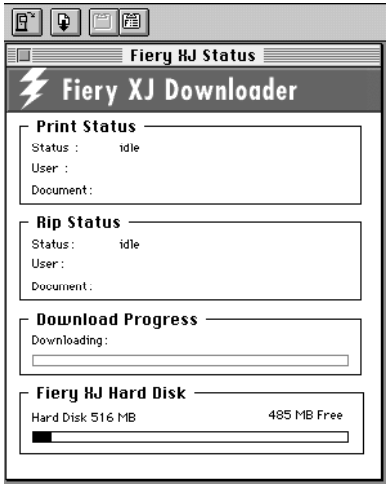
NOTE: You can also use standard LaserWriter downloaders, such as the Adobe Font Downloader, with the Fiery SI. The Fiery XJ Downloader was designed specifically for the Fiery. You cannot use the Fiery XJ Downloader with any other printer.

TO VIEW INFORMATION WITH THE FIERY XJ DOWNLOADER:

1. **Double-click the Fiery XJ Downloader icon or choose Fiery XJ Downloader from the Windows 95 Start button.**

2. **Select the Fiery SI in the Chooser window that appears and click Connect or OK.**

   The Fiery XJ Downloader's Status window appears and you see the Toolbar, Fiery XJ Downloader's menu(s), and the status bar at the bottom of the screen.



Icons for some menu functions display in the Toolbar at the top of the window. Click the button to perform the function. The icons are:

	Open	Click this button to connect to a different Fiery SI.
	Download	Click this button to download a file or font to the Fiery SI.
	Display font list	Click this button to display a list of printer fonts on the Fiery SI's hard disk.
	Display status window	Click this button to display the status window for the current Fiery SI.
	About the Downloader	Click this button to view version information about the Fiery XJ Downloader. (Windows only)

The Print Status region displays the server status and the user name and document name of the job currently printing.

The RIP Status region displays the server status and the user name and document name of the job currently processing.

The Download Progress bar displays the amount of a job processed when you download a job to the printer.

The Fiery XJ Hard Disk region displays the amount of available disk space.

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

3. **To select a different server, choose Open from the File menu, select the Fiery SI in the dialog box that appears, and click OK or Connect.**

4. **To close the window, choose Close from the File menu; to close the application choose Quit (Macintosh) or Exit (Windows) from the File menu.**

Printing with the Fiery XJ Downloader

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

TO DOWNLOAD A FILE OR FONT WITH THE FIERY XJ DOWNLOADER:

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

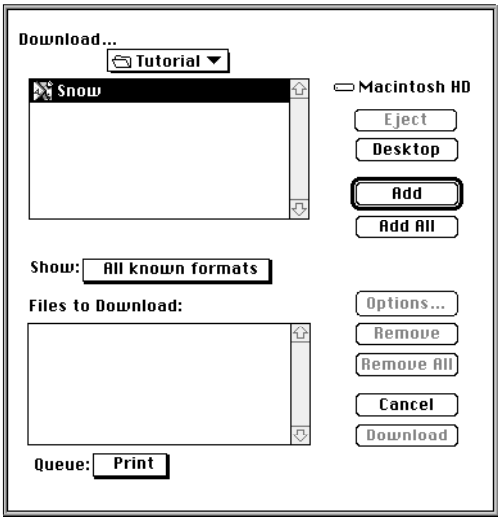
   You can save a PostScript file by selecting the PostScript option in the application's Print dialog box. With some applications, you can save Encapsulated PostScript (EPS) files.

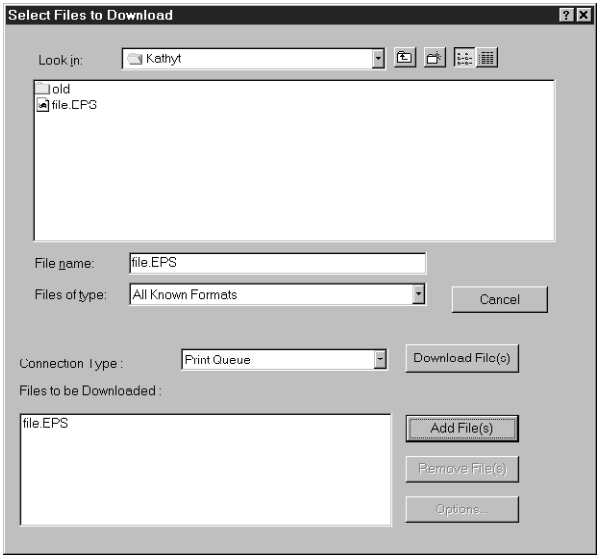
   If you experience problems printing EPS files with the Fiery XJ Downloader, you can print the file directly from the application in which you created it.

2. **Double-click the Fiery XJ Downloader icon.**

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

A dialog box containing a list of files appears.





4. **Select the file type to display in the Show (Files of Type) menu.**

   You can leave this at the default All known formats, or select All Files. All known formats will list all files in formats supported by the Fiery XJ Downloader; All Files will list all files.

   NOTE: You can download files and fonts in the same batch.

5. **Select where to download the file or font in the Queue (Connection type) pop-up menu.**

   You can select the Print queue, Hold queue, or Direct connection. If the connection is not enabled, an error message will appear.

6. **Select the filename and click Add (File[s]).**

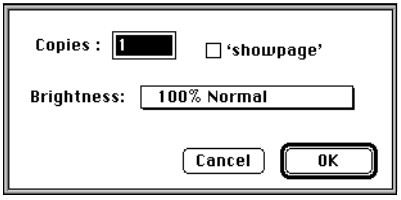
   The File name field (Windows) displays the name of the selected file before you click Add.

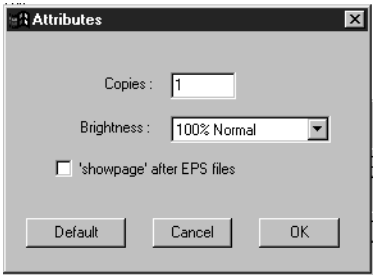
   You can use the dialog box to move to different drives and directories to select files to download. Click Add All (Macintosh) to add all files in a folder.

   If you change your mind about a file, select the filename in the Files to Download list and click Remove (Files).

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

7. **To change attributes of a job, select it and click Options.**





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

   Copies—Specify the number of copies you want by entering the number in the Copies text box.

   Brightness—Change the Brightness setting if a file prints too dark or too light. Select 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 XJ Downloader Brightness options will have no effect on your printout. For more information on using transfer functions, see the documentation for your application.

   'showpage' (after EPS files)—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.

9. **Repeat steps 7 and 8 for any other jobs as needed.**

10. **When you have selected all files and fonts, click Download.**

11. **To cancel downloading, press Command-. (Period) on a Macintosh, or the Escape key on a PC.**

12. **To select a different Fiery SI, choose Open from the File menu, select the Fiery SI in the dialog box that appears, and then click Connect.**

Downloading and managing printer fonts

Before printing a PostScript or EPS file containing fonts that are not resident on the Fiery SI's hard disk, you must download the fonts manually.

The Fiery SI comes with 39 PostScript fonts. These include regular, bold, italic, and bold italic versions of the following fonts: Courier, Times, Helvetica, Helvetica Condensed, Helvetica Narrow, ITC Avant Garde Gothic, Demi, ITC Bookman, New Century Schoolbook, and Palatino. Also included are ITC Zapf Chancery, ITC Symbol, and ITC Zapf Dingbats.

You cannot use the Fiery XJ Downloader to download TrueType fonts.

NOTE: If you are using TrueType fonts in Windows, you can print them by converting them to Adobe Type 1 fonts. To do this with the Adobe PostScript printer driver, click the Fonts tab and select Send TrueType Fonts to This Printer as Type 1. To do this with the Windows 3.x printer driver, set the Send to Printer as Adobe Type 1 command in the Advanced Options dialog box. To do this with the Windows 95 printer driver, click the Fonts tab and select Always use built-in printer fonts instead of True Type fonts.

Printer fonts and Macintosh screen fonts

Like all PostScript fonts, the fonts included with the Fiery SI come in two forms: printer fonts and screen fonts. The printer fonts are installed permanently on the Fiery SI's hard disk. The screen fonts, which are included with the Fiery SI, should be installed on your Macintosh. If you are using these fonts in documents you print on a LaserWriter, they are probably already installed. If not, you'll need to install them yourself. See *Getting Started* for instructions.

Occasionally, you may want to use PostScript (Macintosh) or Adobe Type 1 (Windows) fonts that are not included with the Fiery SI. If so, you'll 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 SI

In general, each time you print from within a Macintosh application, the application automatically downloads any fonts used in your document that are not already installed on the Fiery SI, as long as the printer fonts are installed in your System Folder. These fonts remain in the Fiery SI 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 Macintosh or Windows applications that are not already installed in the Fiery SI, you can save time by downloading them to the Fiery SI's hard disk with the Fiery XJ Downloader. Fonts you download to the Fiery SI's hard disk remain installed until you remove them using the Fiery XJ Downloader, no matter how many times the Fiery SI is turned off and on. You'll probably want to download fonts you use on a regular basis to the Fiery SI's hard disk.

Before you print PostScript or Encapsulated PostScript (EPS) files using the Fiery XJ Downloader, make sure that all fonts included in your file are installed in the Fiery SI. If your file contains fonts that are not installed on the Fiery SI, the text in these fonts will not print correctly and may not print at all. With some applications, you can include fonts when you create PostScript files. See your application software for information.

TO VIEW FONT INFORMATION:

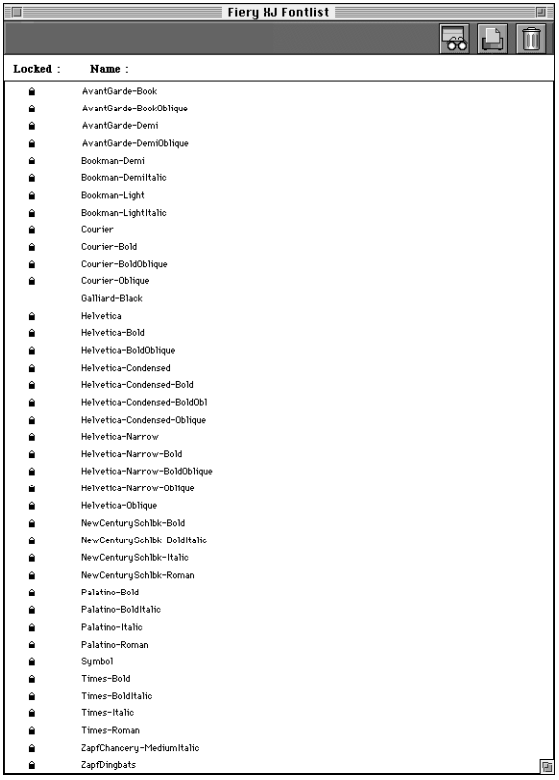
1. **Choose Font List from the File menu or click the Font List button.**

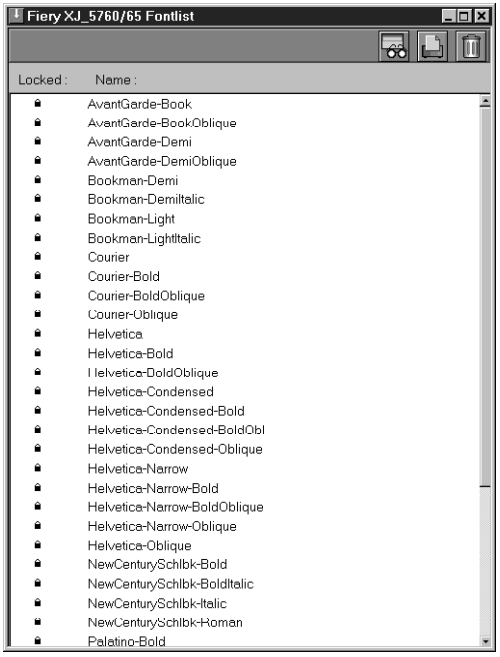
   The Font List window appears with Update, Print, and Delete buttons in the title bar. The icons are:

Update Click this icon to update the information in the font list window.

Print Click this icon to print the font list to the Print queue.

Delete Select a font and click this icon to delete it.





2. **Click the Update button to update the information in the list.**

3. **Click the Print Font List button to print the font list.**

4. **Select a font and click the Delete button to delete the font.**

   Shift-click to select multiple fonts.

   NOTE: The printer fonts included with the Fiery SI (resident fonts) are locked. Locked fonts appear with a lock icon next to the name and cannot be deleted.

Using the Fiery XJ Spooler

The Fiery XJ Spooler lets you monitor and manipulate the print jobs that you send to the Fiery SI. It also lets system administrators track and manage all users' print jobs.

Spooler jobs can be in one of the following queues:

Print	Normal print jobs sent to the Fiery SI appear in the Print queue. You can move and manipulate these jobs as described below.
Hold	Jobs sent to the Hold queue remain in the Hold queue until they are moved to the Print queue or deleted. If you need to print the same document frequently, you can send it to the Hold queue and move a copy of the job to the Print queue every time you need to print it. You can also send large jobs to the Hold queue and then move them to the Print queue when other users are not printing.
Printed	The jobs most recently sent to the Fiery SI are saved in the Printed queue. You can drag these jobs back to the Print queue to print additional copies. The number of jobs saved in the Printed queue is set by your system administrator in the Setup.

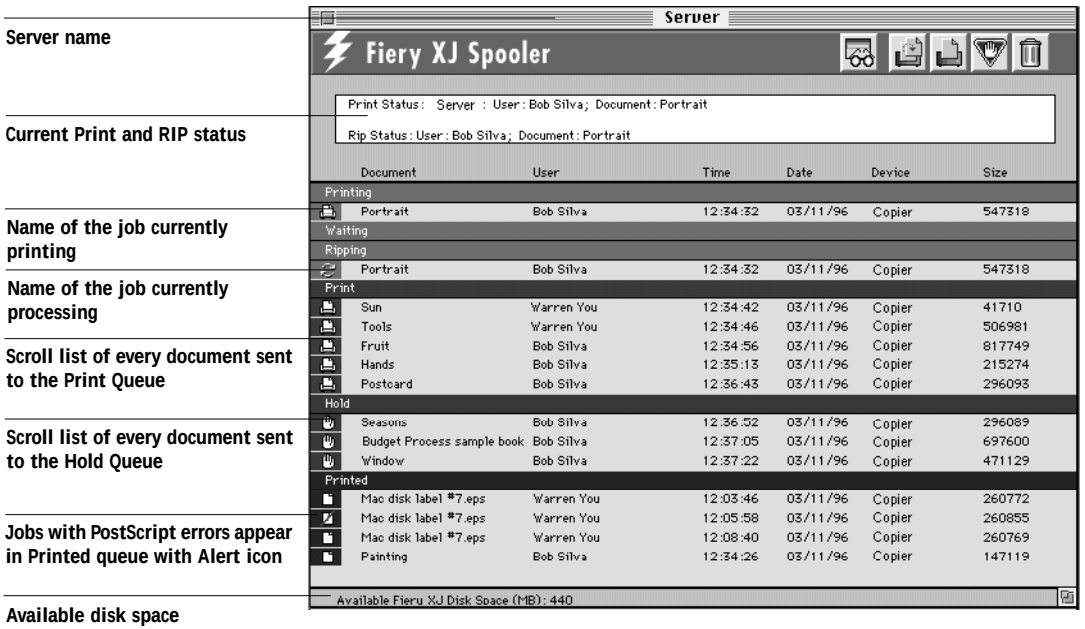
Jobs in the queues are stored on the Fiery SI's hard disk. Make sure that you leave enough space on the hard disk for fonts and others spooler jobs.

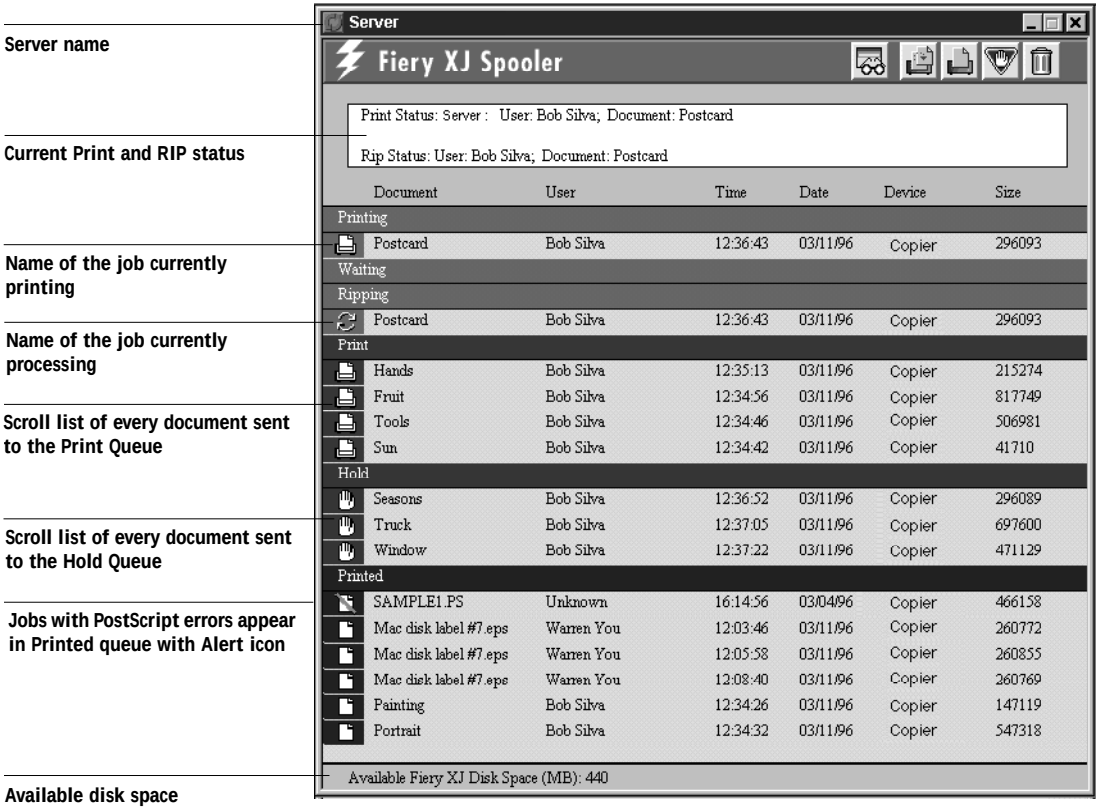
You can use the Fiery XJ Spooler Job Log to view information about jobs printed to the Fiery SI for job accounting purposes or saved for reference. The Job Log can be printed to the Fiery SI or saved as a file and viewed in other applications.

TO USE THE FIERY XJ SPOOLER:

1. **Double-click the Fiery XJ Spooler icon or choose Fiery XJ Spooler from the Windows 95 Start button.**
2. **Select the Fiery SI in the Chooser window that appears.**
3. **Click Connect or OK.**

   The Fiery XJ Spooler main window and File, Edit, Window, Help (Windows), and Administrator menus appear.





The job list includes information about the document name, user name, time and date sent, print device, and file size.

The window is split into regions that correspond to the different queues and steps in the printing process. You can click and drag a job to the Print or Hold region of the window to move it to the corresponding queue.

The icons provide information about the job:

Printing	Print icon	The job that is currently printing appears in this list. It can be selected and deleted to cancel printing.
Waiting	Print icon	Jobs that have been processed and are waiting to be printed appear in this list. Although they can be selected and deleted to be canceled, they are dimmed because their settings cannot be changed and they can't be moved.
Ripping	RIP icon	Jobs that are processing appear in the scroll list, but they are dimmed because their settings cannot be changed and they can't be moved or canceled.
Print	Print icon	Jobs that are waiting to be printed that have not been processed appear with the Print icon. This list shows jobs in the order they will be printed.
Hold	Hold icon	Jobs in the Hold queue appear with the Hold icon. You can move the job to the Print queue to print it.
Printed	Printed icon	Jobs that have been printed are saved in the Printed queue and appear with the Printed icon. Jobs are stored in the Printed queue until the limit set by your system administrator in the Printer Setup on the Control Panel is reached.
Printed	Alert icon	If a PostScript error occurred while a job was printing, it appears in the Printed queue with an Alert icon next to it. You can double-click the Alert icon to display the error message.

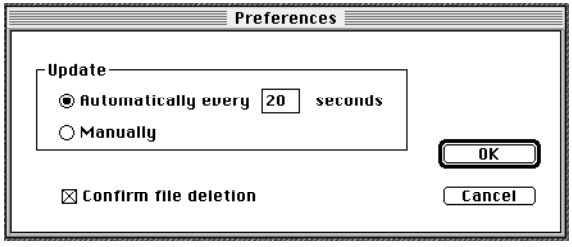
Icons also appear above the scroll list. The icons are:

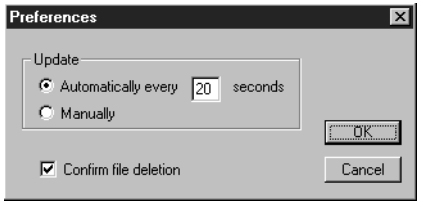
Update	Click this icon to update the information in the Fiery XJ Spooler main window.
Duplicate and Print	Drag a document onto this icon or select the document and click this icon to duplicate it and put the duplicate in the Print queue.

	Print	Drag a document onto this icon or select the document and click this icon to print it to the Print queue.
	Hold	Drag a document onto this icon or select the document and click this icon to save it in the Hold queue.
	Delete/ Cancel	Drag a file onto this icon or select the document and click this icon to delete it or cancel processing or printing it. You will be asked to verify that you want to delete the job. You can eliminate the verification notice by turning off the Confirm file deletion option in the Preferences window.

4. **Choose Preferences from the Edit menu to specify how the Fiery XJ Spooler behaves.**

The Preferences window appears.





You can use this window to specify that the Fiery SI:

Update Automatically every ***n*** seconds or Update Manually—This option lets you specify whether the Fiery XJ Spooler main window is automatically updated every 20 seconds (or at an interval that you set), or whether it is updated only when you choose the Update command from the Window menu. By default, the Fiery XJ Spooler main window is updated automatically every 20 seconds.

NOTE: When automatic updating is on, data is coming from the Fiery SI across the network very frequently. This data adds to the network traffic, and may slow down other network jobs. For optimum network performance, turn off automatic updating

in the Fiery XJ Spooler Preferences dialog box; when you want to view updated information in the Fiery XJ Spooler windows, choose Update from the Window menu or click the Update icon.

Confirm file deletion—Select this if you want a confirmation dialog box to appear before you delete a file.

5. **If you selected Manual updating in the Preferences window, choose Update from the Window menu to update the information in the Fiery XJ Spooler window.**

6. **To display information about a different Fiery SI, choose Open from the File menu.**

   The Chooser window appears.

7. **Select the Fiery SI in the Chooser.**

   The Fiery XJ Spooler main window appears and displays information about the Fiery SI you selected.

   NOTE: You can move between Fiery XJ Spooler windows by choosing the Fiery SI name in the Window menu. You can move between the Job Log and Main windows for a server by choosing them in the Window menu. You can also use the Cascade option in the Window menu to organize windows on your Desktop.

8. **Choose Close from the File menu to close the connection to the current Fiery SI; choose Quit (Macintosh) Exit (Windows) from the File menu to quit the Fiery XJ Spooler.**

Duplicating, copying, moving, and deleting jobs

Macintosh, Windows 95, and Windows NT users can move, delete, and configure their own print jobs; the Fiery SI system administrator (or anyone with Fiery XJ Spooler Password access) can move, delete, and configure jobs for all users, and can re-order jobs within a queue. Windows 3.x users can delete, configure, and move jobs between queues. The Fiery SI system administrator (or anyone with Fiery XJ Spooler Password access) can re-order jobs within a queue.

You can move your jobs from the Hold queue and the Printed queue to the Print queue. If, for example, you frequently print the same file, you can send it to the Hold queue and later drag a copy of the file to the Print queue. By copying rather than moving a job, you leave a copy of the job in the Hold queue so that you can print the job again later. You can also duplicate a job if you want to have multiple copies of a job in the same queue.

Duplicating jobs

You can duplicate jobs in the Print, Printed, and Hold queues:

- If you want to change printing parameters in the Override Print Settings window without losing the original settings.
- If you want to print more than 20 copies to the sorter. (The maximum number of copies that you can print to the sorter is 20).

When you duplicate a job, the Fiery SI creates a reference to the original file, so duplicate files do not require the full amount of disk space on the Fiery SI. As long as one of the duplicates remain, the Fiery SI saves the file, so you can delete all but one reference to a file.

TO DUPLICATE A JOB WITHIN A QUEUE:

1. **Select the job that you want to copy by clicking its name.**

   The selected job is highlighted. If you want to select more than one job, Shift-click to select multiple, adjacent jobs; Ctrl-click to select multiple, non-adjacent jobs.

2. **Choose Duplicate Job from the Edit menu.**

   The job appears at the bottom of the queue.

TO DUPLICATE AND PRINT A JOB:

1. **Select the job that you want to copy by clicking its name.**

   The selected job is highlighted.If you want to select more than one job, Shift-click to select multiple, adjacent jobs; Ctrl-click to select multiple, non-adjacent jobs.

2. **Click the Duplicate and Print icon, or drag the job to the Duplicate and Print icon.**

   The job appears at the bottom of the Print queue.

TO COPY A JOB TO ANOTHER QUEUE:

1. **Select the job that you want to copy by clicking its name.**

   The selected job is highlighted. If you want to select more than one job, Shift-click to select multiple, adjacent jobs; Ctrl-click to select multiple, non-adjacent jobs.

2. **Hold down the Option (Macintosh) or Ctrl (Windows) key as you drag the job to either the Hold or Print queue icon or to the Hold or Print section of the job list.**

   A copy of the job is moved to the queue you have selected, but the original job still appears in the Hold or Printed queue so that you can print the job at another time.

TO MOVE A JOB WITHIN A QUEUE:

1. **Choose Password from the Administrator menu and enter the password.**

   If there is no password, go to step 2.

2. **Select the job that you want to move by clicking its name.**

   The selected job is highlighted. If you want to select more than one job, Shift-click to select multiple, adjacent jobs; Ctrl-click to select multiple, non-adjacent jobs.

3. **Drag the file to the new location in the queue.**

TO MOVE JOBS BETWEEN QUEUES:

1. **Select the job that you want to move by clicking its name.**

   The selected job is highlighted.If you want to select more than one job, Shift-click to select multiple, adjacent jobs; Ctrl-click to select multiple, non-adjacent jobs.

2. **Move the selected job to another queue by dragging it to the queue icon of your choice or to the Hold or Print section of the job list.**

   For example, move a job that is currently in the Hold queue to the Print queue by dragging the job to the Print queue icon.

TO DELETE A JOB FROM ANY OF THE QUEUES:

1. **Select the job that you want to delete by clicking its name.**
2. **Drag the selected job to the Delete icon or click the Delete icon.**

   You can also choose Delete from the Edit menu to delete a selected job.

   You can only delete your own jobs; system administrators who enter the Fiery XJ Spooler password can delete any job. (Macintosh, Windows 95, and Windows NT)

Changing print settings for a job

You can set certain printing parameters for a job in the Override Print Settings dialog box. The settings in this dialog box override the settings in the Print Options dialog box and the Control Panel Printer Setup.

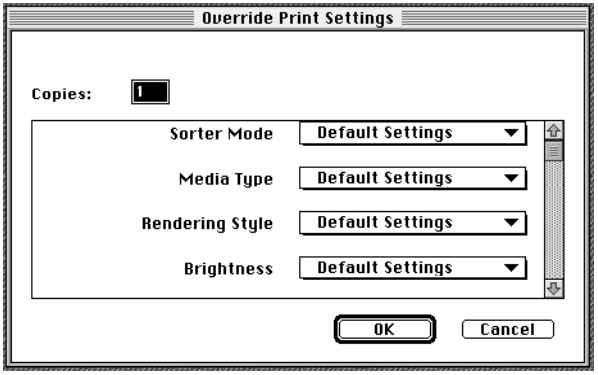
You can change printing parameters only for jobs in the Hold, Print, and Printed queue sections of the Fiery XJ Spooler main window.

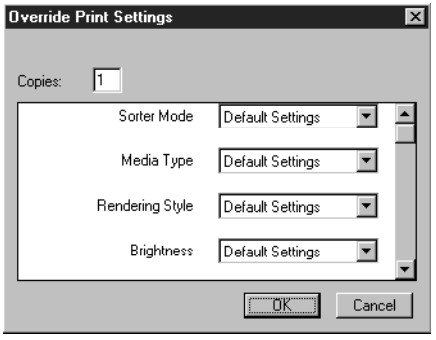
You can change print settings only for your own jobs; system administrators who enter the Fiery XJ Spooler password can change print settings for any job (Macintosh, Windows 95, and Windows NT).

TO CHANGE PRINT SETTINGS FOR A JOB:

1. **Double-click a job or select the job and choose Override Print Settings from the Edit menu.**

   The Override Print Settings window appears.





2. **Choose the new settings from the pop-up menus.**

   If you select Default Settings, the job will use the settings in the Print dialog box. For information about these options, see Appendix D "Setting Job Overrides."

3. **Click OK to make changes.**

Using the Job Log

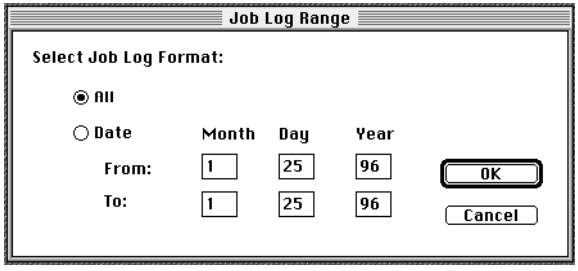
With the Fiery XJ Spooler, you can view and print a log of all the jobs printed to the Fiery SI. You can also save the Job Log as a text file that you can then import into a spreadsheet or word processing application for job accounting purposes. All jobs printed to the queues, printed by direct connection, and scanned from the copier are listed in the Job Log.

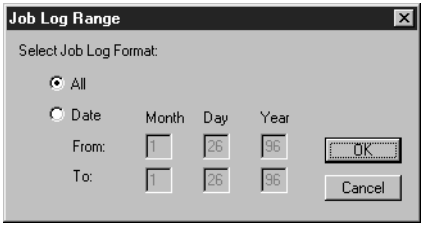
TO DISPLAY, PRINT, AND SAVE THE JOB LOG:

1. **Choose Show Job Log from the Window menu.**

2. **Specify the period for the Job Log in the window that appears.**

   Click All to view all jobs since the Job Log was cleared; click Date if you want to specify a period of time for the Job Log.



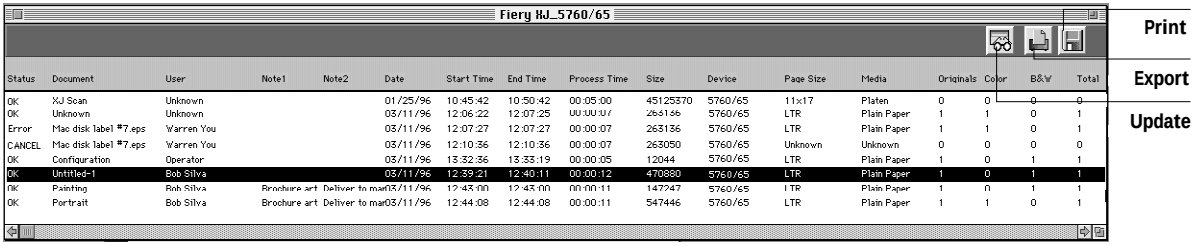


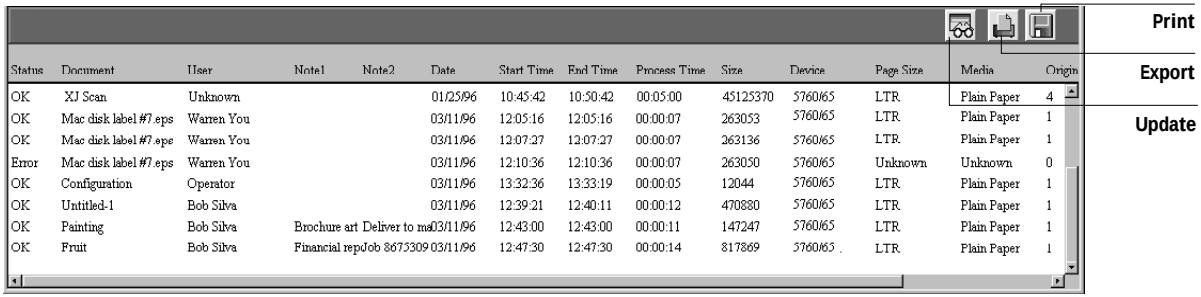
3. **Click OK.**

   The Job Log window displays a list of all the jobs and the following information about them: status, document name, user name, date, start time, end time, process time, file size, print device, paper size, media, number of originals, number of color pages, number of black and white pages, total number of pages, note 1, and note 2.

The information in the note fields is specified in the Print dialog box if you are using the Adobe PostScript printer driver.

Use the scroll bar at the bottom of the window to view all fields in the Job Log window.





The text in the Status column provides information about the job:

OK	The job was printed normally.
ERROR	A PostScript error occurred while a job was processing. You can double-click ERROR to display the error message. A dialog box displays the PostScript error. Click OK to close the dialog box.
CANCEL	The job was canceled before printing was completed.

4. **To print the Job Log, choose Print Job Log from the File menu or click the Print icon at the top of the window.**

   The information displayed in the Job Log window prints to the current Fiery SI. When you print the Job Log, totals are printed for all appropriate columns.

5. **To save the Job Log as a file that you can view with a different application, choose Export Job Log from the File menu or click the Export icon at the top of the window.**

6. **Enter a name for the log file, and click Save.**

   The Job Log is saved as a text file, and the Job Log window reappears.

   You can view the information in any application that can read a text file. Items are separated by tabs.

7. **If you entered the Administrator password, you can choose Delete Job Log from the File menu to clear the Job Log.**

   The system administrator can also print and clear the Job Log from the Control Panel.

TO USE ADMINISTRATOR FUNCTIONS:

1. **Choose Password from the Administrator menu.**

   This menu is active only if a password was created on the Fiery SI.

2. **Enter the password in the window that appears.**

   This password is set in the Setup on the Control Panel. If you enter the password on a Macintosh or PC with Windows 95 or Windows NT, you can move, override, and delete all users' jobs in the Fiery XJ Spooler main window and re-order jobs within a queue. If you enter the password in Windows 3.x, you can re-order jobs within a queue.

Setting up automatic paging

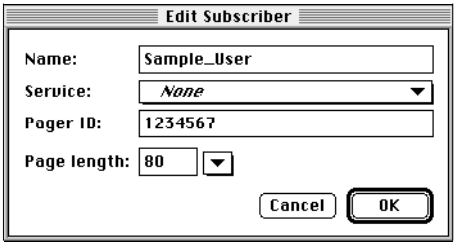
In the United States and Canada, if you have PageNOW! paging software installed on your Macintosh computer, you can set up the Fiery XJ Spooler to notify you if there is a problem with printing. To use this feature:

- Both PageNOW! and the Fiery XJ Spooler must be running on your Macintosh.
- You must be connected to the server you want to monitor in the Fiery XJ Spooler.

TO SET UP AUTOMATIC PAGING:

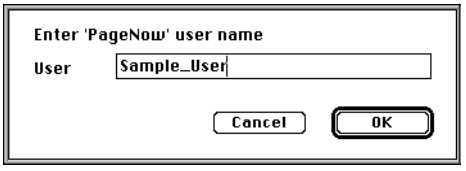
1. **Set up your user name in PageNOW!**

   See the PageNOW! documentation for instructions.



2. **Choose PageNow username from the Fiery XJ Spooler Administrator menu.**

3. **Enter your User Name.**



4. **Choose Start Error Paging from the Administrator menu to enable automatic paging. To stop paging, choose Stop Error Paging from the Administrator menu.**

   You can monitor the messages sent to the pager from within PageNOW! See your PageNOW! documentation for information.

Chapter 6: Color Calibration

Calibrating your Fiery SI ensures consistent, reliable color output. You can calibrate the Fiery SI in several ways:

- Scan a page from the copier glass and use automatic calibration (AutoCal™).
- Connect a densitometer to your Fiery SI and calibrate it from the Control Panel.
- Connect a densitometer to your Macintosh or IBM PC-compatible and download calibration to your Fiery SI with the Fiery XJ Print Calibrator.

This chapter describes the function of calibration and describes how to calibrate your Fiery SI.

NOTE: Changing calibration affects *all* jobs for *all* users, so you may want to limit the number of people authorized to calibrate the Fiery SI and use Fiery XJ Print Calibrator.

Understanding calibration

Calibration allows you to:

- Maximize the color reproduction capabilities of the Fiery SI
- Ensure consistent color quality across time
- Produce consistent output across Fiery SI servers of the same kind
- Optimize your Fiery SI for use with EFICOLOR color management software
- Use your Fiery SI as a proofing system
- Achieve better color matches when you're reproducing spot colors, such as PANTONE colors or other named color systems
- Linearize your Fiery SI while maintaining the currently available density range
- Create custom calibration targets and custom calibration curves

How calibration works

Success in obtaining satisfactory print quality from a digital color printer depends on many factors. Among the most important are establishing and maintaining optimal toner densities. Density is a measure of the light absorbed by a surface. The saturation of toner colors, which affects output densities from your copier, is affected by such variables as room humidity and service settings, and also tends to drift over time. Regular calibration corrects for day-to-day variations in densities.

Calibration works by creating calibration curves on your Fiery SI server that compensate for deviations from desired density values. These calibration curves are generated by creating a measurements file—a file containing numerical values corresponding to the amount of toner being printed for the full range of colors—and comparing it to a target.

Measurements

Measurements files provide numerical values that correspond to your copier's toner density for each color. To create a measurements file, you can scan a page from your copier and use AutoCal, connect an X-Rite DTP32 densitometer to the Fiery SI and record values, or connect an X-Rite DTP32 densitometer to your Macintosh computer's modem port or your IBM-PC compatible's serial port and measure values with the Fiery XJ Print Calibrator. You may also be able to connect any Status T densitometer to your Macintosh or IBM-PC if you have utility software provided by the densitometer manufacturer to create a measurements file.

Targets

Target files define desired calibration results. Several target files are provided with the Fiery SI, and you can create additional ones as needed by modifying existing targets. When you calibrate the Fiery SI, you can select the target file that corresponds to the type of printing you are doing.

The targets provided with the Fiery SI are:

- 5760/65 or 5790—Optimized for best results for specific copier performance. You should use the copier target if you are going to use the copier's ICC profile to print CMYK data or the Color Rendering Dictionaries (CRD). The CRDs are used if you print an RGB file from Photoshop, or if you use a PostScript Level 2 Printer Driver (Adobe PostScript Printer Driver for Macintosh, Adobe PostScript Printer Driver for Windows, or Apple LaserWriter Printer Driver version 8.0 or later).

- DIC—Japanese press standard.
- Euroscale—European press standard.
- Linear—Results in output that divides the maximum measured density for each color into equal density steps to provide an even distribution of tones over the copier's density range. When you linearize the Fiery SI, the entire measured density range in each color channel is divided into equal steps. Equal steps in ink percentage, such as 0%, 10%, and 20%, are printed in equal steps in density, and appear as roughly equal visual steps. This gives a linear response using the range of densities available.
- SWOP-Coated—US press standard.

Scheduling calibration

In general, you should calibrate the Fiery SI at least once a week. If it is very important to maintain consistent colors, or if your Fiery SI is subject to wide fluctuations in temperature or humidity, you should calibrate every few hours. In general, to get the best performance from your copier, calibrate whenever there is a noticeable change in print quality.

If you need to split a print job into two or more batches, it is especially important to calibrate before printing each batch.

You should also calibrate your Fiery SI system after copier maintenance. However, because your copier may be unstable immediately after maintenance, you should wait until you have printed approximately 50 pages before you calibrate.

NOTE: Copier output is very sensitive to changes in temperature and humidity. To minimize these effects, your copier should not be installed near a window or in direct sunlight, or near a heater or air conditioner.

Your copier may have a self-calibration feature that optimizes toner densities after scanning a test page on the copier glass or some other method. You can use this feature in conjunction with Fiery SI calibration. Always run the copier's self-calibration routine before calibrating. Using the copier's calibration feature alone will not necessarily bring output densities from your copier to the optimal values for Fiery SI printing.

Set up a standard printing environment in Control Panel Setup by selecting printing options that correspond to the way you usually print. Then print one or more standard color pages. You can print the Color Charts from the Control Panel and the Color Reference pages that are included with your user software. See “Using the color reference pages” on page 2-5 or page 3-15. All of these pages include fully saturated color patches and pale tints of cyan, magenta, yellow, and black. Images with skin tones offer a very good basis for comparison. You can save and compare pages you printed at different times. If there is a noticeable change in appearance, you should calibrate or linearize your Fiery SI system.

If your solid density patches (100% cyan, magenta, yellow or black) look less saturated with time, show the pages to the copier or printer technician to find out if an adjustment can be made to improve the output.

Checking calibration status

Before printing a job, you should check to see whether the Fiery SI is calibrated, what target was used, and when the printer was last calibrated. You can view information about the last calibration:

- At the Fiery SI, by printing a Configuration page or Test Page from the Control Panel Functions menu.
- With the Fiery XJ Print Calibrator by choosing Calibration Status from the Server menu. This method gives you additional information. See “To view information with the Fiery XJ Print Calibrator:” on page 6-13.

Using a densitometer

If you calibrate your Fiery SI from either the Control Panel or the Fiery XJ Print Calibrator, you can use a densitometer to input color information. The procedure is the same in both cases.

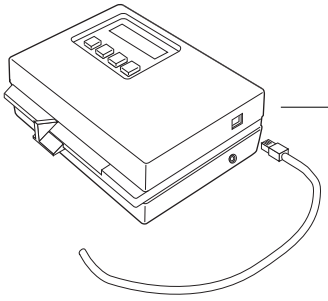
For additional information about setting up and using your densitometer, see the documentation that came with it.

Setting up the densitometer

Before you calibrate the Fiery SI, configure and zero your reflection densitometer to prepare for measuring the printed patches.

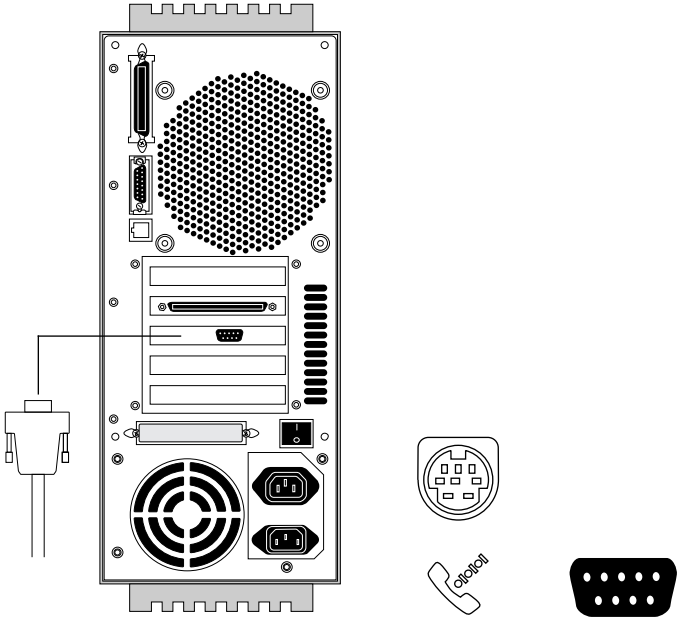
TO CONNECT THE X-RITE DTP32:

1. **Plug the square end of the interface cable (like a modular phone plug) into the I/O port on the side of the X-Rite DTP32.**



Square connector

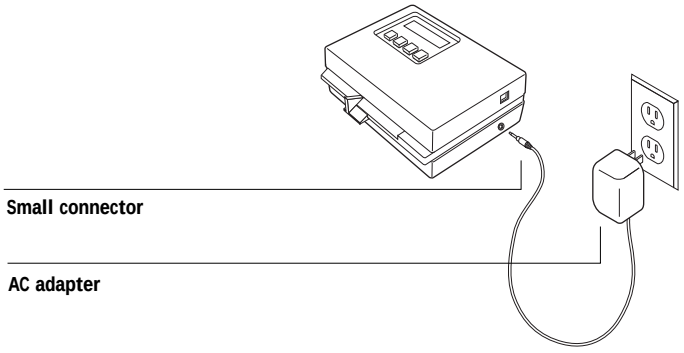
2. **Attach the round 8-pin mini-connector to the modem port on the back of your Macintosh. Or attach the 9-pin connector to the COM1 or COM2 port on your PC. Or attach the 9-pin connector to the serial port on the back of the Fiery SI.**



3. **If you are using a Macintosh, attach the round 4-pin mini-connector to one of the Apple Desktop Bus (ADB) ports.**

   The Macintosh ADB port provides power to the DTP32.

4. **If you are using a PC, a Macintosh without an ADB port available (or a PowerBook), or the Fiery SI, use the optional AC adapter (available from X-Rite) to provide power. If you use the optional AC adapter, plug the small connector on the adapter cable into the side of the X-Rite DTP32 and plug the adapter into a wall outlet.**



TO CONNECT THE X-RITE DTP32 TO A POWERBOOK:

1. **Turn the PowerBook off.**
2. **Connect the network cable to the PowerBook's EtherTalk port.**
3. **Plug the square end of the densitometer interface cable into the I/O port on the side of the X-Rite DTP32.**
4. **Attach the round 8-pin mini-connector to the serial port on the PowerBook.**
5. **If the densitometer display indicates that densitometer battery power is low, use the external AC adapter for the densitometer.**

   NOTE: Don't connect the densitometer to the PowerBook ADB port.

6. **Configure the densitometer to factory defaults and save the settings. (See the densitometer manual for details.)**

   Factory default settings for the X-Rite DTP32 are:

Page 1	LANG (ENG)	TONE (loud)	TYPE (ser)
Page 2	BAUD (9600)	HAND (xon)	AXMT (on)
Page 3	DPT (on)	SEP (spc)	DLIM (crlf)
Page 4	DEF (off)	X10 (off)	DAP (off)
Page 5	M/M (max)	LOCK (off)	

7. **Turn on the PowerBook.**

8. **In the PowerBook Setup Control Panel, select Normal for Modem Controls.**

9. **Calibrate the densitometer, as described below.**

TO CALIBRATE THE X-RITE DTP32:

1. **On the X-Rite DTP32, simultaneously press the two buttons marked MENU.**

   The words MAIN MENU appear in the display.

2. **Press the p1 key until p2 appears.**

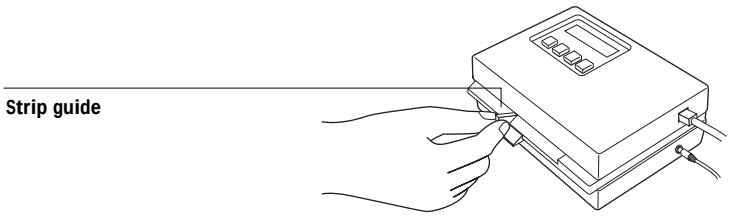
3. **Press the cal key.**

   CALIBRATION appears in the display.

4. **Press the den key.**

   CALIBRATING TRANSMISSION is displayed, followed by the words INSERT CAL STRIP.

5. **Position the strip guide at 5.**



6. **Insert the arrow end of the Auto-Cal strip into the entrance of the X-Rite DTP32 until the roller starts pulling the strip.**

READING appears momentarily, followed by the density values and CALIBRATION OK.

If UNRECOGNIZABLE STRIP appears, try cleaning the strip (see your X-Rite DTP32 Operating Manual).

7. **Recalibrate the densitometer at least once month.**

Measuring values with a DTP32 densitometer

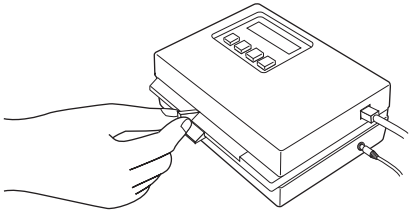
You can connect a DTP32 densitometer to the Fiery SI or to your Macintosh or PC if you are using Fiery XJ Print Calibrator. The densitometer scans the density of the first patch, automatically advances to the next patch, and automatically transmits the measured values to the Fiery SI or Fiery XJ Print Calibrator. The DTP densitometer has an adjustable strip guide to the right of the strip entrance.

After each column is scanned, the density measurements are used to create a Measurements file. In general, valid measurements for all patches fall within the range of -0.05 to 3.05.

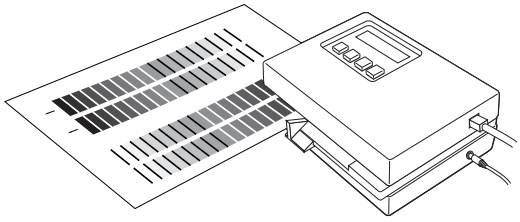
TO MEASURE CALIBRATION PATCHES WITH AN X-RITE DTP32:

1. **When prompted on the Control Panel or Fiery XJ Print Calibrator, position the pointer on the strip guide to 15 and click OK on the Control Panel or Fiery XJ Print Calibrator to begin measuring.**

   First, you'll measure the cyan column. Slide the paper guide left or right until the arrow points to 15.



2. **With the arrow below the cyan column pointing towards the densitometer, align the right side of the patches page with the strip guide.**



3. **Insert the patches page into the densitometer until it rests against the drive rollers and the motor is activated.**

   There may be a slight hesitation before the rollers start.

4. **Hold the page against the guide to prevent any skewing while the strip is being measured.**

   After the strip is measured, Pass #1 of 4 OK! appears in the densitometer display. Transmitting Data appears briefly after each pass.

5. **When prompted, move the strip guide to 30 and measure the magenta column.**

   After the magenta strip is measured, Pass #2 of 4 OK! appears in the densitometer display.

6. **Turn the patches page around so that the arrow above the yellow column is pointing toward the densitometer.**

   Leave the strip guide set to 30.

7. **When prompted, align the right side of the patches page with the strip guide and measure the yellow column.**

   After the yellow strip is measured, Pass #3 of 4 OK! appears in the densitometer display.

8. **When prompted, move the page guide to 15 and measure the black column.**

   After the black strip is measured, Pass #4 of 4 OK! appears in the densitometer display.

   NOTE: If there is a problem measuring a color, follow the instructions on the densitometer to remeasure it.

Calibrating the Fiery SI from the Control Panel

You can calibrate the Fiery SI from the Control Panel by connecting a densitometer to the serial port on the back of the Fiery SI, or by using AutoCal.

Automatic calibration

You can calibrate the Fiery SI without a densitometer with AutoCal.

USING AUTOMATIC CALIBRATION:

1. **When the Fiery SI restarts, press the Menu key when prompted to enter Setup.**
2. **Press Run Setup.**
3. **Scroll down to choose Calibration.**
4. **Choose Calibrate.**

   The Calibration Method screen appears.
5. **Select Copier Glass for the Calibration Method.**
6. **When prompted to Select Target, use the up/down arrow keys to scroll through the list of target names, then choose OK.**

   You can choose from the list of all targets on the Fiery SI hard drive. This includes several targets included with the Fiery SI as well as any custom targets you have loaded.
7. **When prompted, select Yes to print the Measurements page.**

   This page is comprised of bands of color that will be measured by the copier and then compared to the target calibration.

   After the page is printed, the Measure Page screen displays.
8. **Select Yes and then choose OK.**
9. **When prompted "Position page on copier, then press OK," place the Measurements page on the copier glass and click OK.**

   Position the page as you would a standard portrait copy with the top of the page at the far edge of the copier glass. The copier scans the page on the glass, creates a measurements table, and automatically compares it to the target you selected. It then adjusts measurements to match the target.

10. **When prompted to Print Comparison Page, select Yes.**

    Verify that the colors on the page are correct.

11. **When Prompted to Overwrite Calibration, select Yes.**

12. **Select Yes to confirm.**

13. **When calibration is complete, choose Exit Calibration. This automatically restarts your Fiery SI.**

Calibrating with a densitometer

To calibrate with a densitometer, the Fiery SI must have a serial port to connect the densitometer to. Contact your authorized service/support center for information about Fiery SI hardware.

TO CALIBRATE WITH A DENSITOMETER:

1. **Connect the DTP32 densitometer to your Fiery SI**

   For instructions, see “Setting up the densitometer” on page 6-4.

2. **Restart the Fiery SI and press the Menu key when prompted to enter Setup.**

3. **Press Run Setup.**

4. **Scroll down to choose Calibration.**

5. **Choose Calibrate.**

   The Calibration Method screen appears.

6. **Select Densitometer for the Calibration Method.**

7. **When prompted to Select Target, use the up/down arrow keys to scroll through the list of target names, then choose OK.**

   You can choose from the list of all targets on the Fiery SI. This includes several targets included with the Fiery SI as well as any custom targets you have created from your workstation with Fiery XJ Print Calibrator.

8. **When prompted, select Yes to print the Measurements page.**

   This page is comprised of swatches of color that will be measured by the densitometer and then compared to the target calibration.

   After the page is printed, the Measure Page screen displays.

9. **Select Yes and then choose OK.**

10. **When prompted on the Control Panel, position the cyan strip in the densitometer.**

    See "Measuring values with a DTP32 densitometer" on page 6-8 for instructions. Status messages display the progress of scanning and collecting measurements. If there is a problem, you may need to calibrate your densitometer. See "To calibrate the X-Rite DTP32:" on page 6-7.

11. **When prompted, repeat step 10 to scan magenta, yellow, and black.**

12. **When prompted to Print Comparison Page, select Yes.**

    This page provides you with a preview of the selected calibration.

13. **When Prompted to Overwrite Calibration, select Yes.**

14. **Select Yes to confirm.**

    Status messages display progress information.

15. **When calibration is complete, choose Exit Calibration. This automatically restarts your Fiery SI.**

Removing calibration

If desired, you can remove calibration from the Fiery SI. In general, it is not necessary because any new calibration replaces the existing one.

TO REMOVE CALIBRATION USING THE CONTROL PANEL:

1. **When the Fiery SI restarts, press the Menu key when prompted to enter Setup.**
2. **Press Run Setup.**
3. **Scroll down to choose Calibration.**
4. **Choose Remove Calibration.**
5. **When prompted, verify that you want to proceed with removing calibration.**

   The current calibration curves are removed and the printer is uncalibrated. After calibration is removed, you can download a new calibration.

Using the Fiery XJ Print Calibrator

The Fiery XJ Print Calibrator allows you to perform extended calibration procedures from your networked workstation. You can calibrate to targets provided with your Fiery SI, or you can customize targets and calibration curves to suit the specific needs of your printing environment.

NOTE: The utilities for Macintosh and Windows users are fundamentally the same; differences are noted in this chapter. When you see a window or dialog box illustrated, the Macintosh version comes first, followed by the Windows 95 version.

TO VIEW INFORMATION WITH THE FIERY XJ PRINT CALIBRATOR:

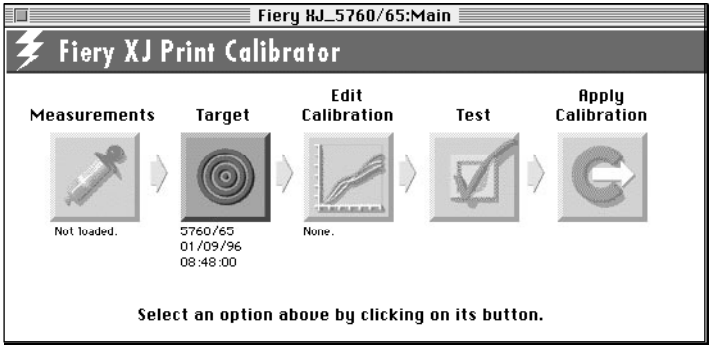
1. **Double-click the Fiery XJ Print Calibrator icon.**

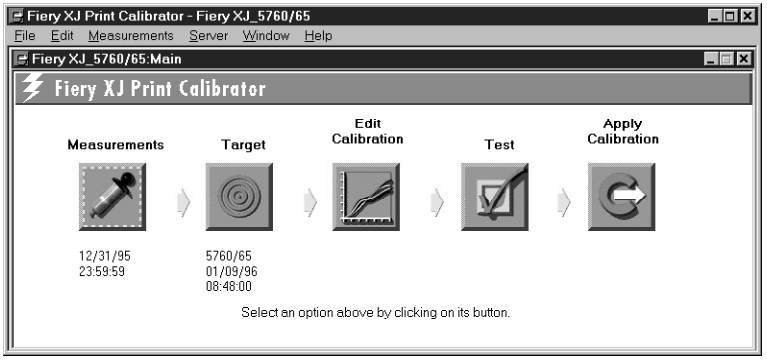
   The Chooser window appears.

2. **Select the Fiery SI in the Chooser window that appears and click Connect or OK.**

   If there is no Measurements file on the Fiery SI or no Target selected, you will be notified during startup.

The Fiery XJ Print Calibrator main window and File, Edit, Measurements, Server, and Window menus appear. Buttons for the main Fiery XJ Print Calibrator functions appear in this window. The current status is displayed at the bottom of the window. The functions unavailable at a particular time are dimmed and cannot be selected.



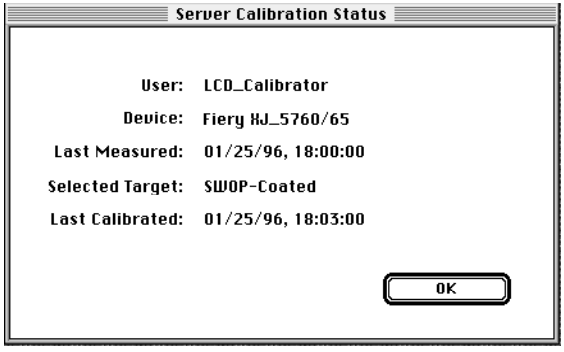


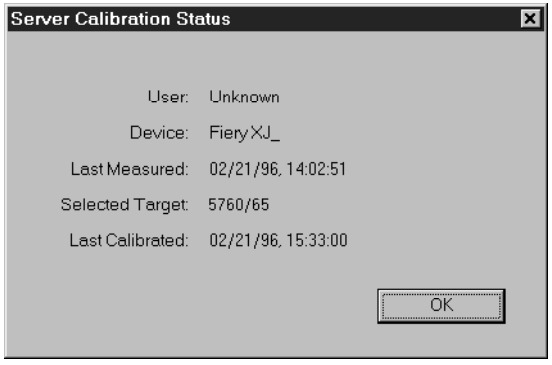
The buttons are:

Measurements	Displays density values in the current measurements file.
Target	Allows you to select a new target for calibration or for customizing. Displays the currently selected target.

Edit Calibration	Allows you to view the current measured and target curves and customize the selected target.
Test	Prints a page so that you can view the results of calibration before changing the calibration on the Fiery SI.
Apply Calibration	Updates the calibration on the Fiery SI.

3. **To view current calibration information, choose Calibration Status from the Server menu.**





The Server Calibration status dialog displays: the user name of the person who last calibrated the Fiery SI, the name of the current Fiery SI, the date and time of the current measurement file, the file name of the target used for the last calibration, and the date and time of the most recent calibration.

4. **To calibrate a different Fiery SI, choose Open from the File menu.**

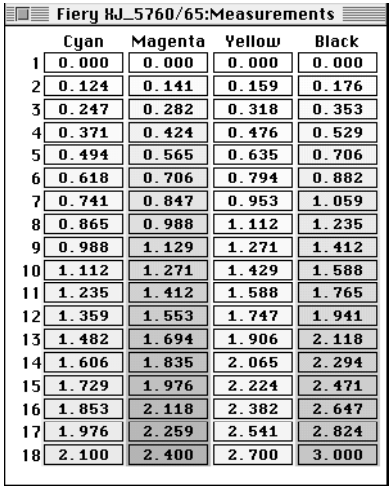
Measurements

Measurements files provide toner values that correspond to colors. You can measure a page of swatches with a densitometer and import the measurements.

The creation date and time of the current measurements file appears below the Measurements icon. If there is no measurements file, see "To create a measurements file to be imported:" on page 6-17.

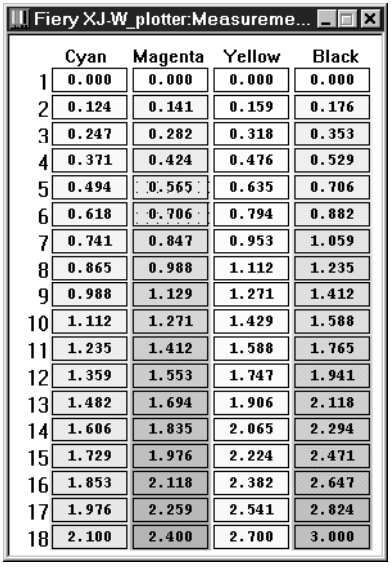
TO USE MEASUREMENTS:

1. **Click the Measurements icon to view values in the current measurements file.**



Fiery XJ_5760/65:Measurements

	Cyan	Magenta	Yellow	Black
1	0.000	0.000	0.000	0.000
2	0.124	0.141	0.159	0.176
3	0.247	0.282	0.318	0.353
4	0.371	0.424	0.476	0.529
5	0.494	0.565	0.635	0.706
6	0.618	0.706	0.794	0.882
7	0.741	0.847	0.953	1.059
8	0.865	0.988	1.112	1.235
9	0.988	1.129	1.271	1.412
10	1.112	1.271	1.429	1.588
11	1.235	1.412	1.588	1.765
12	1.359	1.553	1.747	1.941
13	1.482	1.694	1.906	2.118
14	1.606	1.835	2.065	2.294
15	1.729	1.976	2.224	2.471
16	1.853	2.118	2.382	2.647
17	1.976	2.259	2.541	2.824
18	2.100	2.400	2.700	3.000



	Cyan	Magenta	Yellow	Black
1	0.000	0.000	0.000	0.000
2	0.124	0.141	0.159	0.176
3	0.247	0.282	0.318	0.353
4	0.371	0.424	0.476	0.529
5	0.494	0.565	0.635	0.706
6	0.618	0.706	0.794	0.882
7	0.741	0.847	0.953	1.059
8	0.865	0.988	1.112	1.235
9	0.988	1.129	1.271	1.412
10	1.112	1.271	1.429	1.588
11	1.235	1.412	1.588	1.765
12	1.359	1.553	1.747	1.941
13	1.482	1.694	1.906	2.118
14	1.606	1.835	2.065	2.294
15	1.729	1.976	2.224	2.471
16	1.853	2.118	2.382	2.647
17	1.976	2.259	2.541	2.824
18	2.100	2.400	2.700	3.000

2. **If you want to use a different measurements file, choose Import from the Measurements menu; if you do not want to change the file, go to the Target section.**

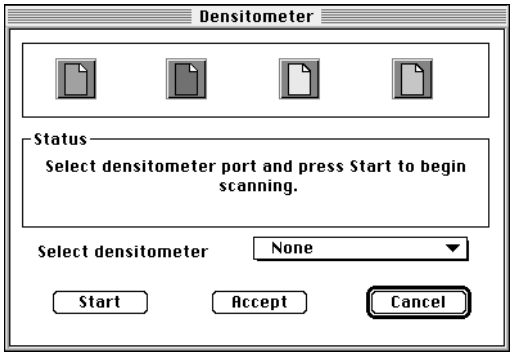
3. **When prompted, select the new measurements file to use and click OK.**

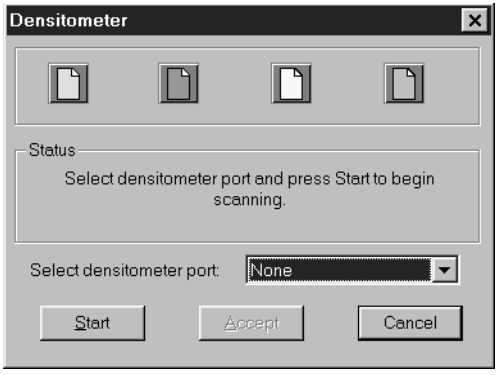
TO CREATE A MEASUREMENTS FILE TO BE IMPORTED:

1. **Connect the DTP32 densitometer to your Macintosh or PC.**

2. **Choose Densitometer from the Measurements menu.**

   NOTE: Creating a measurements file from a densitometer connected to your PC is not supported with Windows 3.x.





3. **Select the port connected to the densitometer in the Select Densitometer pop-up menu.**

4. **Click Start.**

5. **Follow the on-screen instructions to measure patches.**

   For instructions, see “Measuring values with a DTP32 densitometer” on page 6-8.

6. **When you are finished, click Accept.**

   You can save the measurements file so that you can use it again by choosing Export from the Measurements menu. This saves the values in the Measurements file that you can use later without having to remeasure by importing it.

Working with targets

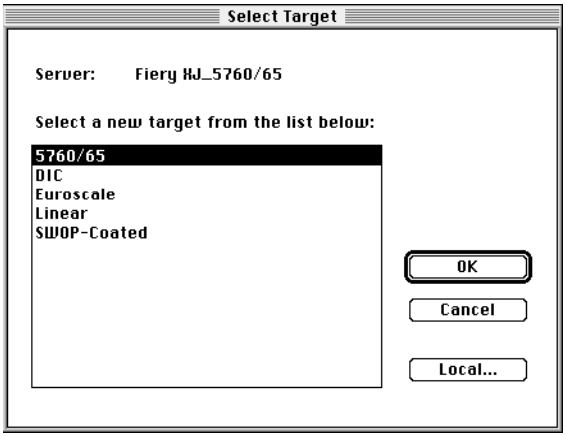
Target files are files containing desired calibration goals. Several target files are provided with the Fiery SI, and you can create additional ones as needed. You can then select the target file that corresponds to the type of printing you are doing.

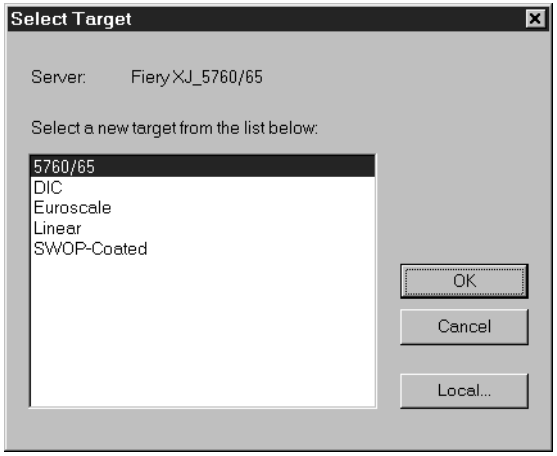
The text under the Target button in the Fiery XJ Print Calibrator main window displays the name and creation date and time for the currently selected target.

TO SELECT A TARGET:

1. **Click the Target button in the Fiery XJ Print Calibrator window.**

   A dialog box displays a list of target files available on the Fiery SI.





2. **If desired, click Local to select a target on your workstation, if not, go to step 3.**

3. **Select a target and click OK.**

TO BACK UP TARGETS:

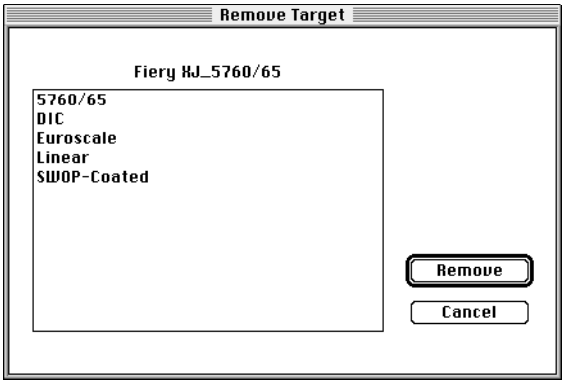
- **Choose Backup Targets from the Server menu to copy the target files on the Fiery SI to your workstation.**

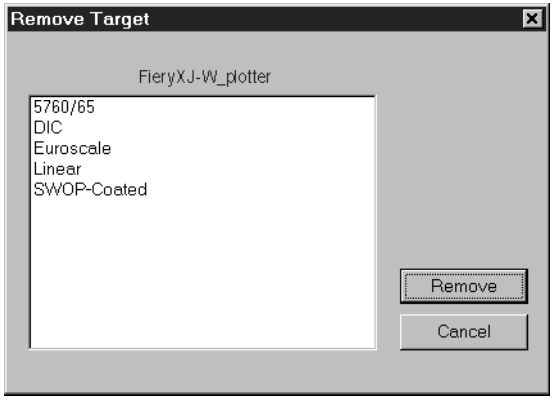
  Files are saved in a folder called Backup in the Fiery XJ Print Calibrator folder. You can save targets for safekeeping. You should always save targets before updating Fiery SI system software to ensure that no custom targets are lost.

TO REMOVE TARGETS FROM THE FIERY SI'S HARD DISK:

1. **Choose Remove Target from the Server menu.**
2. **Select the target(s) and click Remove.**

   You may want to do this to free up disk space (although these files are small) and to make sure that no one uses the wrong target file. You should always use the Backup Targets command to save targets before you delete them.





Editing calibration

You can edit the current calibration curve or the target file, and save the changes as a new target calibration file. This allows you to fine tune the calibration on your Fiery SI to meet your exact specifications.

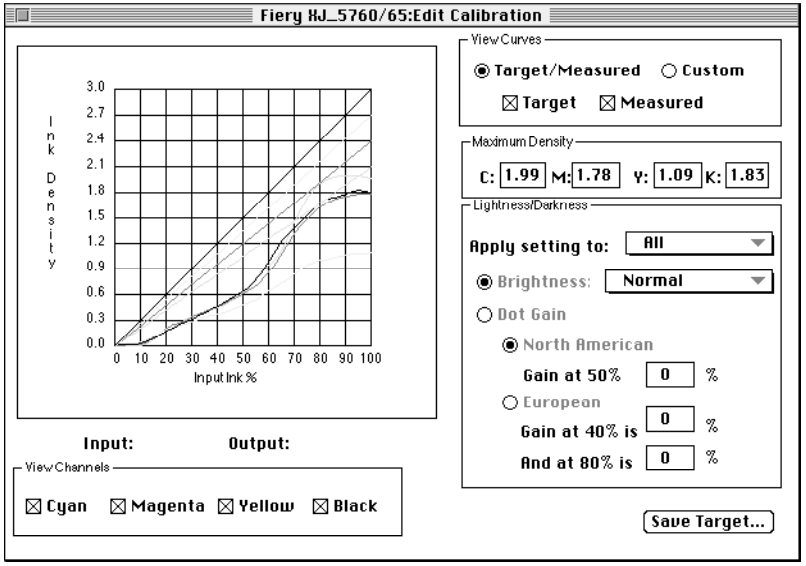
The creation date and time of the current calibration appear under the Edit Calibration button.

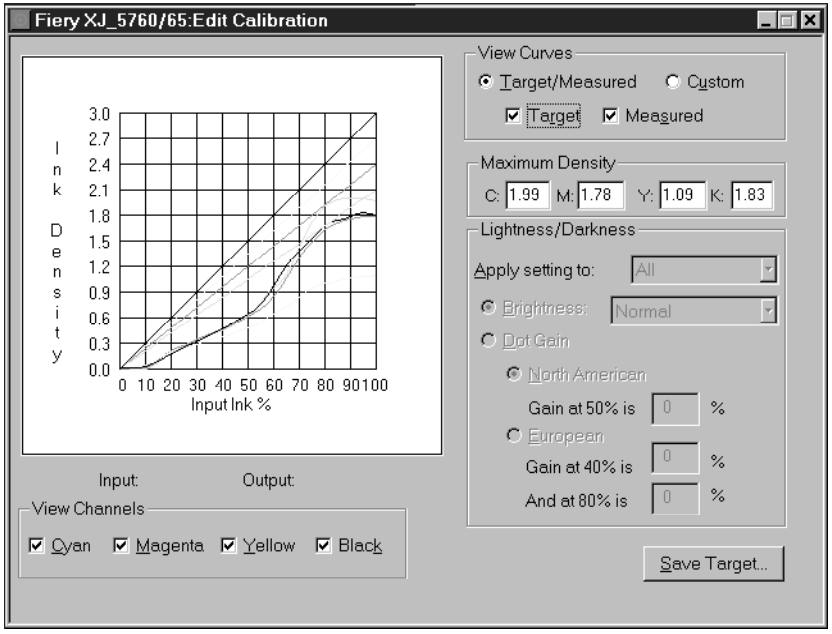
NOTE: The values in these screens *do not* represent standard values for calibration. They are intentionally exaggerated for example purposes.

TO VIEW TARGET/MEASURED CURVES OR EDIT CALIBRATION:

1. **Click the Edit Calibration button.**

   The Edit Calibration dialog box appears.





You can use this dialog box to view measured or target curves or to edit calibration curves. The graph on the left side of the window allows you to view and manipulate color output values; the areas on the right allow you to adjust other values. The View Channels and View Curves areas specify which curves display on the graph.

2. **In the View Channels area, verify that the channels you want to edit are selected.**

   You can view the channels for all four color channels (Cyan, Magenta, Yellow, and Black), or in any combination. This aids in fine tuning edits and when editing curves on a monochrome screen.

   NOTE: If all channels are turned on initially, they may overlap so you will have to move or turn off the topmost channel to see other channels.

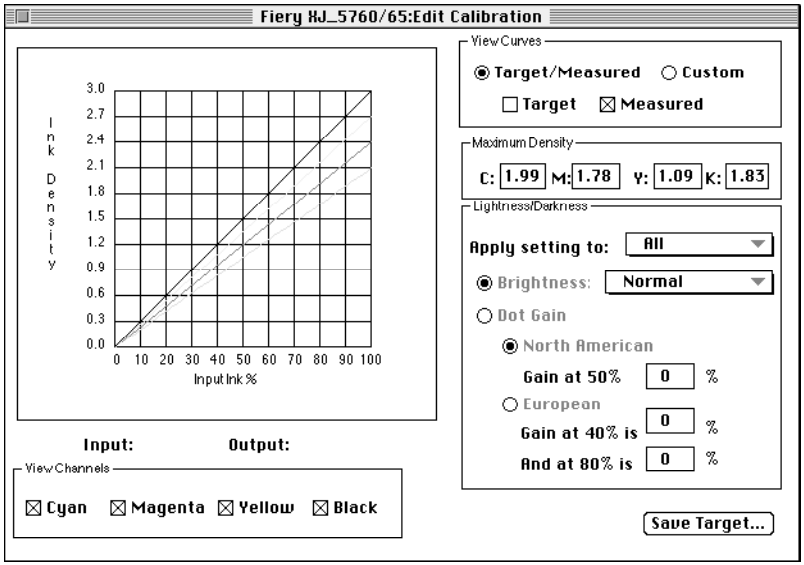
3. **In the View Curves area, verify that the curves you want to edit are selected.**

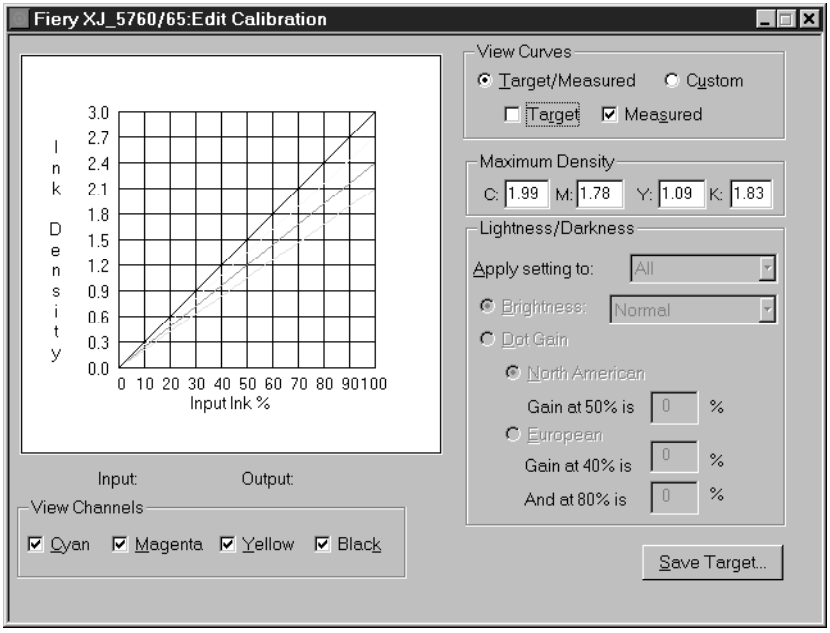
   Choose Target/Measured to view the target or measured curve; choose Custom to view and edit the calibration curves. If you selected Target/Measured, you can use the check boxes to specify whether to view Target, Measured, or both curves.

TO VIEW THE MEASURED CURVE:

- **Click Target/Measured and Measured in the View Curves area.**

  These curves represent the values in the measurements file and cannot be changed.





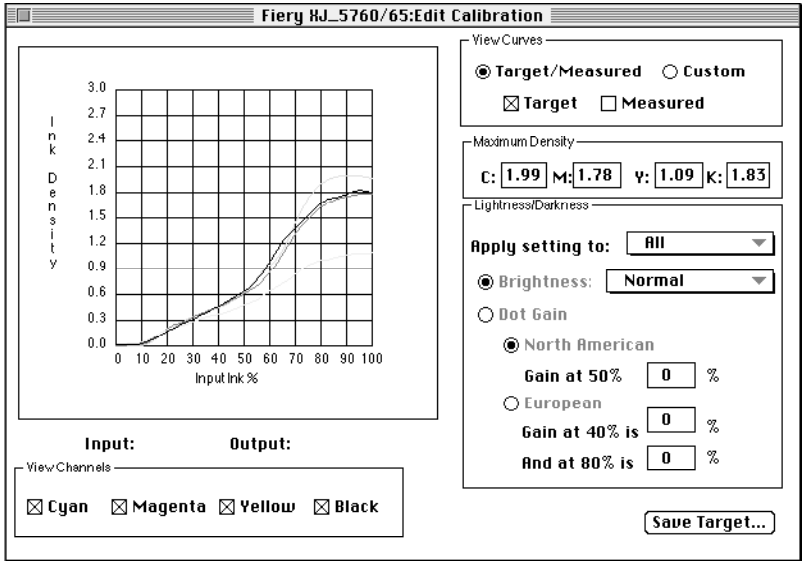
NOTE: You can click Target to compare the target curve to the measured curve. The closer the measured densities are to the target densities, the better the results you'll get from calibration.

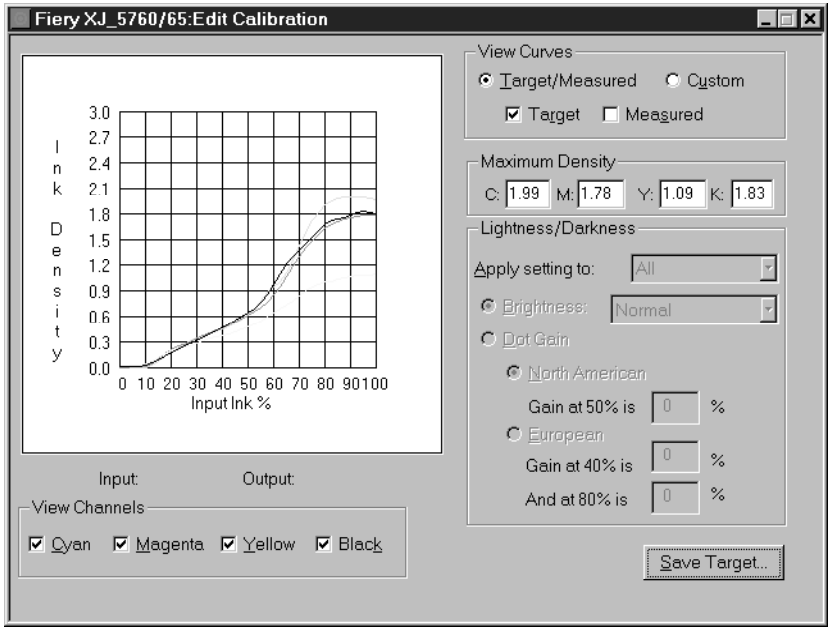
TO EDIT THE TARGET CURVE:

1. **Click Target/Measured and Target on the right side of the dialog box.**
2. **Adjust the values in the Maximum Density areas for each color to adjust the endpoints of the target curve as needed.**

   You can enter a value from 0.1 to 3.0.

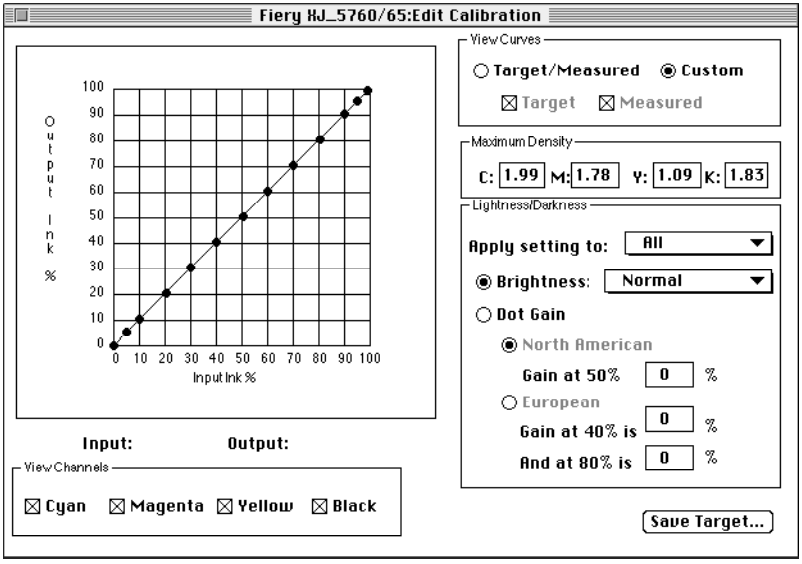
The rest of the curve adjusts to match the endpoint.

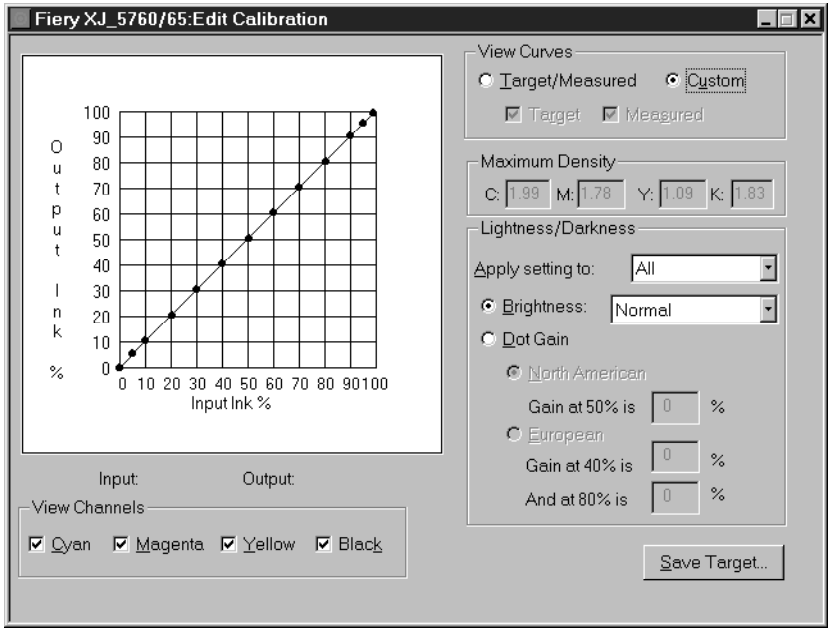




TO EDIT CUSTOM CURVES:

1. **Click Custom to edit the curve.**





2. **From the Apply setting to pop-up menu, choose the channels to be adjusted in the Lightness/Darkness area of the window.**

3. **If needed, use the Brightness menu to adjust brightness.**

   Choose Lightest for a substantially lighter image, Darkest for a substantially darker image, or one of the options in between.

   NOTE: If you change a value for a color with the Brightness menu, it overrides values set elsewhere in the dialog box.

4. **If needed, adjust the Dot Gain value.**

   This is used for simulating press output and should be used with a press target. You can choose either the North American or European standard. Then enter the desired Dot Gain in the text box(es). The valid values for North American gain at 50% input are 0%-50% output. The valid values for European at 40% input are 0%-60% gain on output; the valid values for European at 80% input are 0%-20% gain on output.

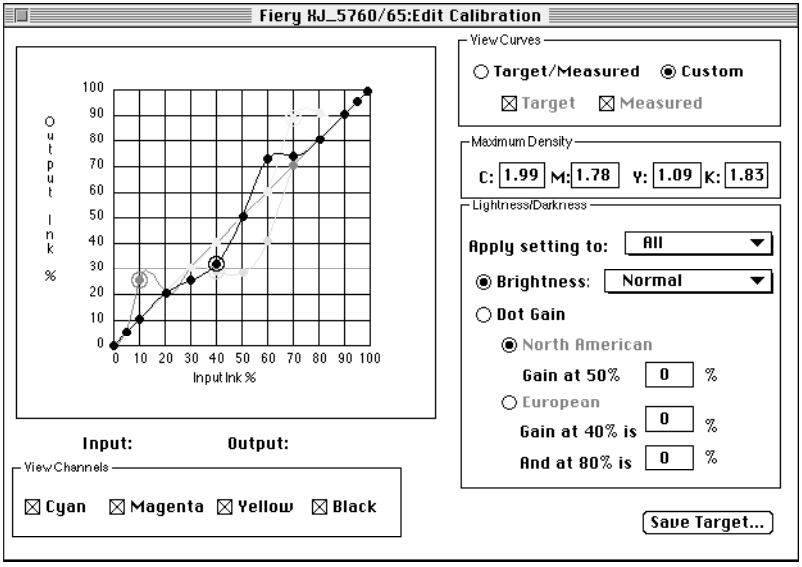
   If you use Dot Gain values, the curve is smoothed so that there are no spikes or jumps in output value.

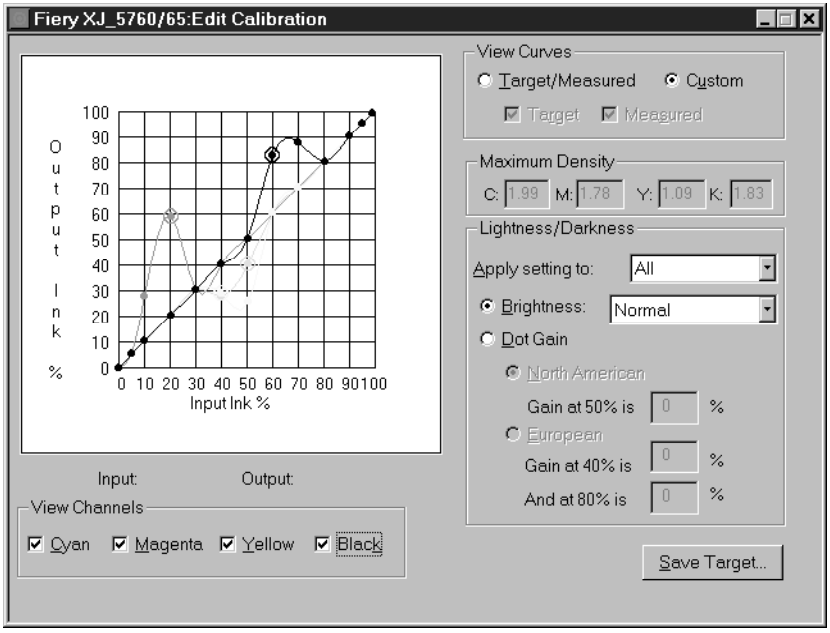
   NOTE: You will need to measure this value with a densitometer.

5. If necessary, in the graph, click and drag points to adjust the curve.

The graph maps input percentage to output percentage in 10% increments. The curve you selected appears, and points along the curve are marked so that you can adjust them.

NOTE: You should adjust points in this way after you have entered values in the other area of the window. If you attempt to change values after you have adjusted the curve on the graph, values may not be valid.





6. **When you are finished, click Save Target and enter a name for the new target.**

   This saves the target file to your Macintosh or PC hard disk so that you can use it again or continue editing it later.

   NOTE: If you edited one of the press standard targets, make sure that you include the original standard name (SWOP, DIC, Linear, or Euroscale) in the new target name. This ensures that the correct information appears on the Calibrator Test Page.

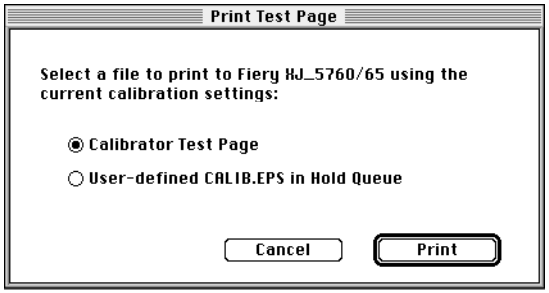
Testing and applying calibration

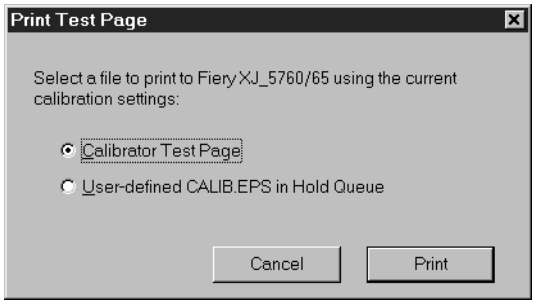
You can view a sample of calibration before you apply it to your Fiery SI. You can print:

- Calibrator Test Page—This page is provided with Fiery XJ Print Calibrator and shows a comparison of uncalibrated and calibrated data.
- User defined CALIB.EPS in Hold Queue— You can create an Encapsulated PostScript (EPS) file in any application and name it CALIB.EPS. Then print the file to the Hold Queue of the Fiery SI from your application or save it as an EPS file and download it to the Hold Queue with the Fiery XJ Downloader.

TO TEST AND APPLY CALIBRATION:

1. **Click Test in the Fiery XJ Print Calibrator main window.**





2. **Specify which page to print and click Print.**
3. **When you have visually verified that the test page displays appropriate color values, click Apply Calibration.**
4. **Click Continue when prompted to verify that you want to update calibration.**
5. **When you are finished, choose Quit (Macintosh) or Exit (Windows) from the File menu to close the Fiery XJ Print Calibrator application.**

Removing calibration

If desired, you can remove calibration from the Fiery SI. In general, it is not necessary because any new calibration replaces the existing one.

TO REMOVE CALIBRATION WITH THE FIERY XJ PRINT CALIBRATOR:

1. **Start the Fiery XJ Print Calibrator.**
2. **Choose Remove Calibration from the Server menu.**
3. **When prompted, verify that you want to proceed with removing calibration.**

   The current calibration curves are removed and the printer is uncalibrated.

Chapter 7: Printing with UNIX Workstations

You can print to the Fiery SI directly from UNIX. Jobs printed to the Fiery SI are sent to the Print or Hold queue and can be manipulated from Macintosh and PC computers on the network.

NOTE: You should print to the Hold queue only if you have a Macintosh or PC with Fiery XJ Spooler connected to the Fiery SI, so that you can move the jobs from the Hold queue to the Print queue.

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

NOTE FOR ADMINISTRATORS: The internal rp names that must be matched exactly when setting up printing to the Fiery SI are: print_5760/65, hold_5760/65, print_5790, hold_5790, print_5750, and hold_5750.

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

Printing to the Fiery SI

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

NOTE: Make sure that the files are either PostScript or text files. These are the only formats you can use to print from UNIX.

TO PRINT FROM UNIX:

- **On a system running SunOS4 or another BSD-based variant, use the lpr command to send a job to the Fiery SI as follows:**

  lpr <-Pprinter> <-#copies> <filename>

  For example, if the Print queue of your Fiery SI 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 or any System V implementation of UNIX, use the lpr command to send a job to the Fiery SI as follows:**

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

  For example, if the Print queue of your Fiery SI 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 or another BSD-based variant, use the lpq command to see printer jobs in the queue as follows:**

  lpq <-Pprinter>

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

  lpq -Pprint_Server

  Your workstation displays the contents of the queue.

- **On a system running Solaris 2 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 SI 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 or another BSD-based variant, use the lprm command to remove jobs from the queue as follows.**

  lprm <-Pprinter> <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 SI 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 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 SI named print_Server, type:

  cancel print_Server 123

Appendix A: Error Messages

When an error interferes with printing, you will see a message on the Fiery SI Control Panel. Following are the messages (listed in alphabetical order), with the appropriate corrective action for each one.

Message	Corrective action/additional information
Accessory disabled	One of the copier's accessories is disabled.
Busy	The Fiery SI has received a print job, but the copier is busy. The job will print when the copier resumes printing.
Check power & cable	There is a problem with the copier power or cable connection. First check to make sure that the copier is turned on. There may also be a problem with the cable connection between the Fiery SI and the copier. Make sure that the cable has not come loose. The Fiery SI will resume printing when the cable is securely connected to both the Fiery SI and the copier.
Copier needs attn	There is an unidentified problem with the copier. See the copier user interface for additional messages. The copier will resume printing when the problem is corrected.
Copier offline	The Suspend Printing option has been selected from the Function menu. Press Resume Printing in the Functions menu to reconnect the Fiery SI to the copier.
Copier running	The copier is in use scanning or making a copy.
Disk full	The internal Fiery SI hard drive is full. To make more space available, open the Fiery XJ Spooler and delete unnecessary jobs or use the Fiery XJ Downloader to remove unnecessary fonts. If these do not work, you can use the Clear Server command from the Control Panel.
Door open	One of the doors on the copier is open. Close the door to resume printing.
Fuser web empty	The copier's fuser web is empty. Printing will resume when it is replaced.

Ld ___ in bypass	The copier's bypass tray is not loaded with the paper size specified. The Fiery SI will print when the bypass tray is loaded with the required paper.
Ld ___ trans bypass	The copier's bypass tray is not loaded with the transparency size specified. The Fiery SI will print when the bypass tray is loaded with the required transparency.
Load ___ paper	The copier is not loaded with the paper size specified. The Fiery SI will print when the copier is loaded with the required paper. This message will also appear if you are printing transparency interleave and do not have the correct paper size loaded.
Ld ___ in tray 1	The copier's tray 1 is not loaded with the paper size specified. The Fiery SI will print when tray 1 is loaded with the required paper.
Ld ___ in tray 2	The copier's tray 2 is not loaded with the paper size specified. The Fiery SI will print when tray 2 is loaded with the required paper.
Ld ___ in tray 3	The copier's tray 3 is not loaded with the paper size specified. The Fiery SI will print when tray 3 is loaded with the required paper.
No toner	The toner for one of the colors has run out. Refer to the copier display to determine which toner color is empty. If more than one toner needs to be added, press and hold the Stop icon on the copier for additional information.
Paper jam	There is a paper jam in the copier. Open the copier doors and check the locations indicated on the copier display. The Fiery SI will resume printing when you have cleared the paper jam and closed the copier doors.
Press "Clear All"	Press the Clear All button on the copier.

Replace waste bottle	The copier waste toner container is full of used toner. Replace the container with a new one according to the instructions in your copier manual. The Fiery SI will resume printing when you have replaced the waste toner container.
Reset copier & XJ	Press the Reset button on the copier and then select the Reboot Server option in the Functions menu to reset the copier and Fiery SI.
Sorter limit exceeded	The sorter is full. You must remove the paper in the sorter before continuing the job.
Sorter problem	There is a problem with the copier's sorter. See the copier console for instructions.
Unknown error	An error occurred with the copier. See the copier message panel for information.
Warming Up	The copier is powering up. It will be ready for printing in a few minutes.

Appendix B: Type Examples

Times

ABCDEFGHIJKLMNOPQRTUVWXYZ
abcdefghijklmnopqrstuvwxyz1234567890

Helvetica

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz1234567890

Helvetica Narrow

ABCDEFGHIJKLMNOPQSTUVWXYZ
abcdefghijklmnopqrstuvwxyz1234567890

Helvetica Condensed

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz1234567890

ITC Avant Garde

ABCDEFGHIJKLMNOPQRSTVWXYZ
abcdefghijklmnopqrstuvwxyz1234567890

Palatino

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz1234567890

ITC Bookman

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz1234567890

New Century Schoolbook

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz1234567890

ITC Zapf Dingbats

✡✢✣✤✥✦✧★☆✪☆☆☆☆☆☆✶✶✷✷✷✸✸✸✸✸✸✸✸✸✸✸✸✸✸✸●○■❑❒❑❒▲▼◆❖◗▮▮

ITC Zapf Chancery

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz1234567890

Symbol

ΑΒΧΔΕΦΓΗΙϑΚΛΜΝΟΠΘΡΣΤΥςΩΞΨΖ
αβχδεφγηιφκλμνοπθρστυϖωξψζ

Courier

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz1234567890

Appendix C: Troubleshooting

This section provides some troubleshooting guidelines should a problem arise. If you are still unable to resolve a problem, contact your authorized service/support center.

Basic troubleshooting tips

There are some basic situations that can cause a variety of problems. Before you look for a specific problem, use the tips in this list.

1. **Check the power and cables for your Fiery SI, copier, and computer.**
2. **Check the Control Panel and Activity Light of the Fiery SI for information.**
3. **If possible, print the Configuration page from the Control Panel and make sure that the settings match your configuration.**
4. **Check the current status of the Fiery SI.**

   The current status appears on the Fiery SI control panel. Press the Menu button to see other status screens. For example, if there is a job processing and one printing, you can press the Menu button to view status information about both jobs.

   If you have the Background Printing option turned on in the Chooser on a Macintosh computer, open Print Monitor to see the printing status. If the status messages indicate that Fiery SI is “processing” or “printing” your file, the Fiery SI is still working on your job. In general, you should turn Background Printing off with the Fiery SI.

   In the Fiery XJ Downloader, check the Status window, or look at the Status field in the Fiery XJ Spooler main window. If the Fiery SI is processing your job, you’ll see this from the status message. If your print job doesn’t appear in the status message, another user’s job may be printing before yours, or the Fiery SI may already have finished printing your job. If the Printed queue on your Fiery SI is enabled, jobs that have finished printing will appear in that list in the Fiery XJ Spooler main window. If your job is waiting to print, it will appear in the list for the Print queue.

   If you are printing over an IPX (Novell) network, the job may be processing on the Novell print server before it is sent to the Fiery SI.

5. **Open the Fiery XJ Spooler main window and locate the name of the job you are trying to print.**

   This window provides information about the status of every job printed to a queue, including information about jobs that do not print because of PostScript errors.

General printing problems

If this happens:	Try this:
The Fiery SI doesn't appear in the Macintosh Chooser's list of printers	**1. On the Macintosh, make sure that the correct zone is selected and that AppleTalk is active.** AppleTalk must be active. The Fiery SI may be in a different zone from the one that's selected. (If your network doesn't have zones, this is not applicable.) Print the Configuration page from the Control Panel to view the correct AppleTalk zone. **2. Choose Control Panels from the Apple menu, open the Network Control Panel (or AppleTalk Control Panel), and make sure that you have selected EtherTalk Phase 2.** You will see icons identifying the available network types. If your Macintosh has Built-in EtherTalk, it is EtherTalk Phase 2. **3. Does the Fiery SI appear in the Chooser on another Macintosh on the same network?** If there's another Macintosh nearby, check to see if the Fiery SI appears in the Chooser on that Macintosh. If the Fiery SI is visible from one Macintosh, but not from another, there may be a problem with the way the second Macintosh is connected to the network. Check all the cabling and other connections, and verify that the network is properly terminated. If there is a 10BaseT transceiver on the network, make sure that its green link integrity light is on. For more information about the network, refer to the documentation provided with the network hardware. **4. Do other printers on the network appear in the Chooser?** If your network includes printers other than the Fiery SI, they should appear in the Chooser. If none of the printers appear in the Chooser list, there is most likely a problem with the way the Macintosh is connected to the network. Check all the cabling and other connections. For more information about the network, refer to the documentation provided with the network hardware. If other printers appear in the Chooser, there may be a problem with the Fiery SI connection. Contact your Fiery SI system administrator. **5. Try printing a test page by pressing the Menu button and choosing Print Pages/Test Page from the Control Panel.** If you're able to print the test page, but Fiery SI still does not appear in the Chooser, contact your authorized service/support center.

If this happens:	Try this:
You cannot connect to a Fiery SI from a Fiery XJ utility chooser	• **Make sure that no one is calibrating the Fiery SI.** If someone is calibrating the Fiery SI with the control panel or the Fiery XJ Print Calibrator, 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 on the Fiery SI Control Panel. Only connections enabled in Setup are available for selection and display in the Fiery XJ Spooler.**
You cannot open the Fiery SI with the Chooser in a Fiery SI Windows utility	• **If you are using Windows 3.x, you may not have enough Conventional memory to open the Fiery Chooser.** See your Windows documentation for information about memory. • **If you are using Windows 3.x with AppleTalk, did you set up your AUTOEXEC.BAT files in the proper order?** If Windows quits unexpectedly, or if you receive an error message, "Cannot perform AppleTalk call," and you are using COPSTalk, you may have put the Fiery SI Network Setup commands in the wrong order in your AUTOEXEC.BAT file. Check to make sure that any COPSTalk commands *precede* the APPL_TSR and APPLINIT commands, so that all network information is loaded first. See *Getting Started* and the documentation that came with your network software for more information. • **If you are using Windows 95 or Windows NT, is your NET_WSCK.INI file set up correctly?** This file must be set up for Windows 95 and Windows NT printing with TCP/IP and SPX/IPX. See *Getting Started* for instructions.
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 SI until it can be processed and printed; when you print to the direct connection, some file processing is performed on your computer before it is sent to the Fiery SI and it cannot begin processing on the Fiery SI until it is done processing the previous job, so you must wait longer to use your computer.
Special paper or transparency options are grayed out	• **Select a tray that supports printing special paper or transparencies such as the** Bypass Tray**.**

If this happens:	Try this:
Fiery SI doesn't respond to a Print command	• **Has someone disconnected the copier by selecting Suspend Printing?** If the Fiery SI system administrator or another user has selected Suspend Printing on the Fiery SI Control Panel to interrupt printing (so that someone can make a color copy, for example), your print job will not resume until someone selects Resume Printing from the Functions menu on the Control Panel. • **Did you select the Fiery SI as the current printer?** Before printing, you must select the Fiery SI as the current printer from your Macintosh, IBM PC or compatible, or UNIX workstation. • **Is the Fiery SI visible in the Chooser on your Macintosh?** If not, see the topic, "The Fiery SI doesn't appear in the Macintosh Chooser's list of printers" on page C-2." • **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 SI appears in the Chooser as long as the Fiery SI itself is turned on. • **Try printing a test page by pressing the Menu button and choosing Print Pages/Test Page.** If you're able to print the test page but still can't print a file from your computer, contact your system administrator or your authorized service/support center. • **Verify that you printed to the correct queue.** View the Fiery XJ Spooler main window to see which queue you printed to. If you selected the Fiery SI Hold queue, you must move your job to the Print queue to print. • **If you are printing over an IPX (Novell) network, verify through PCONSOLE that the job was sent to the Novell queue and that the queue is being used by the Fiery SI.** • **Make sure that the job does not contain a PostScript error.** In Setup, turn on the Print up to PostScript error option to search for PostScript errors in the file. In the Fiery XJ Spooler, check to see if the job has an error icon next to it. Double-click the icon to see the PostScript error message.

If this happens:	Try this:
Message requests a paper size that you don't have	• **Cancel the job and do one of the following:** If you are printing a PostScript file, set the Convert Paper Sizes setting in Printer Setup on the Control Panel to convert the job to the paper size you do have. You can do this to convert between US and metric paper sizes. See the *Administrator Guide* for information. If you are printing a file from an application, change the page size in the Page Setup dialog box.
Test page or other special Control Panel page doesn't print	1. **If the message "Ripping" displays on the Control Panel, but the page never prints, restart the Fiery SI, press the Menu button to enter Setup, and verify that the Printer Model in Printer Setup is specified correctly.** 2. **Check the copier's display.** If the copier display says Ready to copy, proceed to step 3. If the display shows a diagnostic or error message, take the appropriate corrective action, as described in the copier manual. 3. **Try making a copy.** If you can make a copy, proceed to step 4. 4. **Restart the Fiery SI, and when you see Idle on the status line of the Fiery SI display, try printing a test page again.** If the test page still fails to print, contact your authorized service/support center.

If this happens:	Try this:
Jobs sent to the parallel port do not print	• **Increase the parallel "Port Timeout in Seconds" on the Fiery SI Control Panel** • **On the Fiery SI Control Panel, change the Ignore EOF Character setting.** If you are printing ASCII format PostScript only, set Ignore EOF Character to No. If you are 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 PC, 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, 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 your Windows 95 documentation. • **If the PostScript Printer Driver that you are using lets you select bi-directional communication, make sure that it is disabled.** This is generally set from the Properties dialog box for the printer. **If you are printing from a DOS window on a Windows 95 PC, display the Properties dialog box for the printer, click the Details tab, and then click Port Settings. In the Configure LPT port box that displays, turn the "Spool MS-DOS print jobs" option off.**

Problems with print quality

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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 D "Setting Job Overrides."
You get poor printing results	• **Does your application require the Fiery SI's printer description files?** If you are printing from an application such as Adobe Separator or PageMaker, MacroMedia FreeHand, or QuarkXPress, you should make sure that the Fiery SI printer description file is installed correctly. For information about installing these files, see Getting Started. • **Calibrate your copier.**
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, check the Combine Separations setting for the job in the Print Options (Macintosh) or Features (Windows) dialog box.** 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	• **Print a test page or make a test copy with the copier.** The problem may be with the copier. If your test page or copy show that the copier is working properly, correct the problem within your application software. If the test page or copy are wrong, your copier may need to be calibrated or adjusted in some other way.
Your printed file appears too dark	• **Adjust the image's Brightness setting in the Print Options (Macintosh), Print Features (Adobe PostScript Printer Driver for Windows), Device Options (Windows 95 PostScript Printer Driver), Download (Fiery XJ Downloader), or Override Print Settings (Fiery XJ Spooler) dialog box.** You can use the Brightness options in the Fiery XJ Downloader to adjust the lightness of your image whenever you print a PostScript or Encapsulated PostScript (EPS) file.

If this happens:	Try this:
Color output is incorrect	• **Print the Configuration page and check the 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. You should use the copier target if you are going to use ICC ColorSync or ICM profiles, the color rendering styles available in the Print Options and Features and Fiery XJ Spooler Overrides dialog boxes, the Fiery XJ Scan Match Copy color conversion, or the Photoshop separation tables.
Color file prints in black and white	• **Print the Configuration page and make sure that the Color Mode is set to CMYK and not Grayscale.** • **In the Print dialog box (or Print Options), make sure that you have not selected Black and White.** • **Make sure that the Color Mode selected for the job in the Print Options or Print Features dialog box is CMYK and not Grayscale.**
Desktop Color Separations (DCS) format images print incorrectly	1. **Make sure that you selected the correct options to send separations in the application's Print dialog box.** 2. **Make sure that you have the file for every layer of separation that you are printing.** 3. **Set the Combine Separations option to On in the Print Options or Print Features dialog box.** 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 8.1 or later printer driver).**

Problems with calibration

If you are calibrating from the Fiery SI, check the Control Panel for an error message.

If this happens:	Try this:
After calibration, the toner density for a particular color is too high	• **Open the Edit Calibration window and adjust the maximum density for that color.**
A measurement is out of range	• **Make sure you have properly zeroed your densitometer.**
After calibration, dark patches on the test page are too saturated or too weak	• **If the colors are too weak, check the toner level.** • **Check to see if your densitometer needs calibration.** • **Make sure that you're using the correct target.**
Nothing happens when you press down on the densitometer unit	Your densitometer may have locked up. The solution is to clear the unit's memory. **1. Disconnect the densitometer from its power supply.** **2. Remove the batteries from the unit for a minute.** **3. Calibrate and zero your densitometer before continuing.**
The DTP32 densitometer displays "Transmitting Data," but no data is transmitted. The densitometer appears stuck or frozen	A data transmission error may have occurred. **1. On the X-Rite DTP 32, press the two keys marked** MENU**.** **2. On the densitometer, press "pap."** **3. Remeasure the patches.**
Calibrator Comparison page looks wrong	• **If you are using a custom target for a press standard, make sure that the name of the press standard is included in the target name.** The Comparison page uses different images to correspond to different targets, so if you edit the name of the target for a press standard, you must include the name of the standard. Otherwise, the Fiery XJ Print Calibrator prints the images for the copier target.

If this happens:	Try this:
Error message appears on control panel	• **The numbered error messages (Error Type: 8 and Error Type: 11) have the following meanings:** Error Type 8 Description—Page did not scan, incorrect page on copier glass. Action—Make sure that you are using the AutoCal file and that it is placed correctly on the copier glass. If you still get this message, try scanning a page with Fiery XJ Scan to verify that the scan feature is working. Error Type 11 Description—Data not consistent Action—There is a problem with the copier's scan feature so that the copier can scan the page, but it cannot be used to calibrate the Fiery SI. Try re-positioning the measurement page on the copier glass or try printing another measurement page and placing it on the copier glass. If you still encounter this error message, there may be a problem with print quality. Have your copier serviced.

Problems with Fiery XJ utilities and plug-ins

General problem with:	Try this:
Fiery XJ utilities	• **Make sure that you are using the latest version of utilities.** When you update your Fiery SI to new system software, you should delete the utilities on your Macintosh or PC-compatible and install the latest Fiery XJ utilities to insure full compatibility. • **If you are using Windows, make sure that additional files are installed correctly.** If you are using Windows, you need additional files to use the utilities and plug-ins. See *Getting Started* for installation instructions and troubleshooting information.
Windows 95 or NT utilities	1. **Make sure that either the NET_WIPX.DLL (Windows 95) or NET_WSCK.DLL (Windows NT) file is in the SYSTEM directory.** Make sure that only one file is installed in this directory and that it is the correct file for your system.

Fiery XJ Downloader problems

If his happens:	Try this:
You can't print an EPS file using the Fiery XJ Downloader	• **Try printing using the "Showpage" option in the Download PostScript File dialog box.** The Showpage (after EPS file) 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 the Fiery SI Downloader, try printing the file from the application in which it was created. • **Try printing the EPS file on the media in the manual feed tray.** • **Make sure that the job does not contain a PostScript error.** In Setup, turn on the Print up to PostScript error option to search for PostScript errors in the file. In the Fiery XJ Spooler, check to see if the job has an error icon next to it. Double-click the icon to see the PostScript error message.
You have problems downloading a font with Fiery XJ Downloader	• **Make sure that the Direct connection is enabled on the Control Panel.** You can print the Configuration page from the Control Panel to see which connections are enabled
Extra blank page prints after a Fiery XJ Downloader job	• **Turn off the "Showpage" option.** This option adds a special PostScript command that will cause an extra blank page to print if it is not needed.

Fiery XJ Scan problems

If this happens:	Try this:
Fiery XJ Scan does not appear in the Adobe Photoshop Acquire menu	• **Make sure that the plug-in is installed correctly in the Photoshop Plug-ins folder. For information on where to install software, see Getting Started.** • **In Photoshop, choose Preferences/Plug-ins from the File menu and verify that the Plug-ins folder selected corresponds to the folder containing the Fiery XJ Scan.**
Fiery XJ Scan images are wrong	• **Verify that the Printer Model in Printer Setup is specified correctly.** For example, if MajestiK is selected and you are using a Regal, the scan will appear to be yellow only. • **Make sure that the Color Conversion setting in the Scan Options dialog box is set correctly.** It should only be set to Match Copy if you are going to scan the file and then print it on the same device. You should select Calibrated RGB if you are going to use EFICOLOR or manipulate the file in any way or print it on any other device. Make sure that it is set to Calibrated RGB if you will be saving the file as an RGB format EPS file and placing it in another application, or if you are going to use the EFICOLOR profile to print CMYK data separated for your specific copier or the Color Rendering Dictionaries (CRDs). The CRDs are used if you print a CMYK file from Photoshop, an RGB file with a PostScript Level 2 Printer Driver (Adobe PostScript Printer Driver for Macintosh, Adobe PostScript Printer Driver for Windows, or Apple LaserWriter Printer Driver version 8.0 or later), or if you use a PostScript Level 2 Printer Driver and select Color Matching and your Printer Profile in the Print dialog box. If the Fiery SI is calibrated to a press standard, select Calibrated RGB, convert the file to CMYK mode in Photoshop, and print it in CMYK mode. • **Make sure that the Original option in the Scan Options dialog box is set correctly.** If there is an interference pattern (moiré), select Offset Print or Copy for the Resampling setting. • **Make sure that the copier is calibrated to the standard for your copier (and not to a press standard, for example).** Print the Test Page from the Control Panel to view the current calibration.
Fiery XJ Scan does not respond when you click Prescan	• **The Fiery SI may be in use by another user. Check the status of the Fiery SI, and try again after the job is finished printing.**

If this happens:	Try this:
Fiery XJ Scan does not let you scan at full resolution	• **Click Prescan and then set the resolution.** The Fiery SI scans at full resolution for an area that is about 25 square inches. When you select an area smaller than about 25 square inches, the Max value increases in the dialog box, and you can set a higher resolution.

Fiery XJ Spooler problems

If this happens:	Try this:
You can't move or delete jobs in the Macintosh Fiery XJ Spooler	• **Choose Password from the Administrator menu and enter the password that was created on the Fiery SI Control Panel. If you do not enter the password, you can only move, override settings for, and delete your own jobs.**

Appendix D: Setting Job Overrides

Job Override settings enable you to use all the special features of your copier and Fiery SI. You can set job settings in several places. This table shows where options can be set and where they can be overriden. The underlined option in the leftmost column is the printer's default. The settings to the right override one another in the order given.

For example, Fiery XJ Spooler settings override Fiery XJ Downloader settings, Fiery XJ Downloader settings override Print dialog box settings, and so on.

To change settings on the Fiery SI Control Panel, restart the Fiery SI and choose Run Setup. For detailed instructions, see the *Administrator Guide*.

For information about your Fiery SI's current settings, choose Print Pages/ Configuration from the Functions menu on the Control Panel. The Configuration page lists all current settings.

If you are using a printer driver that supports PostScript Level 2, you can set and override some options from the Print dialog box and other dialog boxes. The options are the same regardless of the name of the dialog box. See Chapter 2 "Printing with Macintosh Computers" and Chapter 3 "Printing with PC-Compatible Computers" for information about which dialog box to use with your system and how to use them. To set options in the Print and Print Options (Macintosh), or Device Options or Print Features (Windows) dialog boxes, open the file in an application and follow the instructions in Chapters 4 and 5.

To change options in the Fiery XJ Downloader, select the job in the Files to be Downloaded list and click Options to display the Options dialog box. For information about the Fiery XJ Downloader, see “Downloading files and fonts” on page 5-1.

To change options in the Fiery XJ Spooler, select the job and double-click to display the Override Print Settings dialog box. For information about the Fiery XJ Spooler, see “Changing print settings for a job” on page 5-20.

Setting and options (Underlined option is printer's default)	Description	Control Panel	Print dialog box	Print Options/ Print Features	Fiery XJ Downloader Options	Fiery XJ Spooler Overrides
Brightness 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 one of the options in between.	No	No	Yes	Yes	Yes
Bypass Tray On/Off Enable Bypass Tray as default On/Off (Control Panel)	Specify that the job should be printed on the media in the Bypass Tray.	Yes	Yes	No	No	Yes
Color Mode CMYK/Grayscale	Specify the color mode for the document. Select CMYK if it is a full-color document or select Grayscale if it is a grayscale document.	Yes	No	Yes	No	No
Copier Mode Photo/Map	This option allows you to specify the document type. Select Photo if the file is a photograph; select Map if the file is a combination of text and photographs.	No	No	Yes	No	No
Copies	Specify the number of copies of the job to print.	No	Yes	No	Yes	Yes

Setting and options (Underlined option is printer's default)	Description	Control Panel	Print dialog box	Print Options/ Print Features	Fiery XJ Downloader Options	Fiery XJ Spooler Overrides
Media Type Plain Paper/Thick Paper/ Transparency/Interleaved	Use this option to specify the type of media to be printed on. Select Plain Paper if you will be printing on standard copier paper. Select Thick Paper if you will be printing on heavy paper stock. Select Transparency if you will be printing on a transparency. Select Interleaved if you will be printing multiple transparencies with blank paper separators. The transparencies are fed from the bypass tray and the paper separators are fed from the paper tray. The Transparency option is available only if the source that you selected for the Paper Source supports Transparency media.	No	No	Yes	No	Yes

Setting and options (Underlined option is printer's default)	Description	Control Panel	Print dialog box	Print Options/ Print Features	Fiery XJ Downloader Options	Fiery XJ Spooler Overrides
Rendering Style Photographic/Presentation/ Monitor/Solid Color For more information on this setting, see page D-5.	The Photographic CRD optimizes the range of colors on the Fiery SI to produce the best results for photographic or bitmapped images. The Presentation CRD optimizes the output of pure, saturated colors such as those used in business presentations. The Monitor CRD simulates relative color values as viewed on a monitor as much as possible. Color saturation is reduced so that colors that are bright on screen and have high contrast with other colors (especially blues and greens) retain those qualities when printed. The Solid Color CRD is most useful for printing spot colors such as those found in company logos or corporate charts and graphs.	No	No	Yes	No	Yes
Sharpness Softer/Default/Sharper	Change the Sharpness setting to alter the results of a print. Select Sharper to make edges appear more defined; select Softer to make edges less defined.	No	No	Yes	No	Yes
Sorter Mode On/Off Enable Sorter as default On/Off (Control Panel)	If your copier is equipped with a sorter, you can use this option to specify that the Fiery SI should print the job to the sorter. Only 20 copies can be printed and sorted.	Yes	No	Yes	No	Yes

Rendering Style

Use this setting to select a default color rendering dictionary (CRD) to be used when you print an RGB file from the Adobe PostScript Printer driver or an application such as Adobe Photoshop 2.5 (or later) that supports PostScript Level 2.

NOTE: Color rendering dictionaries are not used when CMYK files are sent to the Fiery SI, nor are they used when RGB files are sent from PostScript Level 1 applications when using any printer driver or QuickDraw applications when using the LaserWriter 7.x or other PostScript Level 1 printer drivers.

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