# Job Management Guide

FIERY ZX-40

ELECTRONICS FOR IMAGING, INC.

**Printed in the United States of America on recycled paper.**

**Part Number:** n/a

**CE Mark**

The CE marking applied to this product symbolises Rank Xerox's declaration of conformity with the following applicable directives of the European Union as of the dates indicated.

January 1, 1996—Council Directive 70/80/CCO amended by Council Directive 93/68/EEO. Approximation of the laws of the member states related to low voltage equipment.

January 1, 1996—Council Directive 59/336/EEC. Approximation of the laws of the member states related to electromagnetic compatibility.

A full declaration defining the relevant directives and referenced standards can be obtained from your Rank Xerox representative.

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# Preface

This manual is intended for Fiery ZX-40 Color Server operators or administrators, or users with the necessary access privileges, who monitor and manage job flow, perform color calibration, and troubleshoot problems that may arise. It describes the functions and features of Fiery utilities and Fiery WebTools for the purposes of print job management and color quality control.

## About this manual

This manual is organized as follows:

- Chapter 1 describes the Fiery ZX Control Panel. It explains the various messages and icons that you might see on the Control Panel and describes how to print system information pages from the Control Panel. It also explains how to properly start up and shut down the Fiery ZX.
- Chapters 2 and 3 describe the Command WorkStation™ interface. The Command WorkStation application can be installed on networked Windows NT 4.0 computers and used to view and manage virtually all aspects of Fiery ZX activity. In addition to providing a graphic display of the job flow, the Command WorkStation allows you to reprint or hold jobs, view and override print option settings, download files, manage printer fonts, preview print jobs, merge rasterized jobs, calibrate the Fiery ZX, and perform Setup (server configuration). The Command WorkStation also provides tools for archiving jobs, moving jobs between Fiery ZX color servers, and printing variable data documents.
- Chapter 4 introduces the Fiery WebTools, explains how to access them, and directs you to sources of more information (in this manual or in other manuals in the documentation set).
- Chapter 5 describes the Fiery WebSpooler, which can be used to view and manage Fiery ZX job activity. The interface and features of the Fiery WebSpooler have identical counterparts in the Command WorkStation; therefore, this chapter refers you to Chapters 2 and 3 for details about many Fiery WebSpooler functions.
- Chapter 6 tells you how to monitor and maintain color quality of your print output by calibrating the Fiery ZX with the Fiery Print Calibrator.

- Chapter 7 describes advanced applications of the Fiery Print Calibrator, such as creating custom calibration and simulation targets to customize the color responses of the Fiery ZX.
- Appendix A lists error messages that you might see at the Fiery ZX Control Panel, the Command WorkStation, the Fiery WebSpooler, or the DocuColor 40, and contains some troubleshooting information.

## Terminology

Specific terms are explained as they are introduced. However, the following general terms are used throughout:

- **PostScript (PS)**—A computer language designed as a page description language. The Fiery ZX uses this language for imaging the page and for communication with applications and with the print engine.
- **Job**—A file consisting of PostScript commands and comments that describe the graphics, sampled images, and text that should appear on each page of a document, and the printer options that should be used in printing, such as media or color rendering style.
- **Spool**—Write to a disk. Usually used here to refer to a PostScript print job being saved to the Fiery ZX hard disk in preparation for processing and printing.
- **RIP**—Acronym for raster image processing, which changes text and graphics commands into descriptions of each mark on a page. In common use as a noun, a “raster image processor” (RIP) is the computer processor that performs this function.
- **Print**—The process of rendering, or imaging, a page or a job on a printer.

  These concepts can explain how the Fiery ZX-40 Color Server and the DocuColor 40 work together as a powerful printing system. The Fiery ZX PostScript RIP changes text and graphics commands in PostScript into color specifications for each dot of toner deposited on a page by the DocuColor 40.

## About the documentation

This manual is part of the set of Fiery ZX documentation, which includes the following manuals for users and system administrators:

- The *Configuration Guide* explains basic configuration and administration of the Fiery ZX 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.
- *Getting Started* describes how to install software to enable users to print to the Fiery ZX. Specifically, it describes installation of PostScript printer drivers, printer description files, and other user software provided on the User Software CD and Command WorkStation CD. It also explains how to connect each user to the network.
- The *Printing Guide* describes the printing features of the Fiery ZX for users who send jobs via remote workstations on the network or via a direct parallel port connection.
- The *Color Guide* provides an introduction to the basics of color theory and printing to a Fiery ZX Color Server. It also includes practical color printing tips and application notes that explain how to print to the Fiery ZX from popular Windows and Mac OS applications.
- The *Job Management Guide* explains the functions of the Fiery ZX client utilities, including the Command WorkStation, and how they can be used to manage jobs and maintain color quality. This book is intended for an operator or administrator, or a user with the necessary access privileges, who needs to monitor and manage job flow, perform color calibration, and troubleshoot problems that may arise.
- *Release Notes* provide last-minute product information and workarounds for some of the problems you may encounter.

## Fiery ZX job environments

The Fiery ZX supports several levels of control of printing, job management, and setup, and offers you the flexibility to choose the configuration that corresponds to the requirements of your site. Your situation may correspond to one of the descriptions outlined below, or you may prefer an intermediate level of control.

At one extreme, an administrator or operator in a high-volume printing environment controls the entire job flow and all printing. Print jobs arriving from remote users are spooled to the server disk and stored until the operator decides it is time to print them. Additional functions (calibration, job overrides, prioritizing, font management) are reserved for the administrator or operator.

At the other extreme, anyone on the local network can control all printing and server functions; operator intervention is not necessary. Users can print from their workstations to any of the published print connections. Anyone can use the Command WorkStation or the Fiery WebSpooler to control any print job.

The spectrum of control that an administrator can implement is described fully in the *Configuration Guide*.

### Permissions

Support for these job environments is achieved by a combination of Fiery ZX Setup options. By default, anyone can access Setup, but the administrator can limit access to Setup by specifying an Administrator password for the Fiery ZX (see the *Configuration Guide*).

Also by default, anyone can log in to the Command WorkStation or the Fiery WebSpooler and control job flow, but an administrator can restrict access to these functions by specifying an Operator password.

The three security levels from greatest to least control are:

- **Administrator**—confers control of Setup and is the highest level of control. The person who has access to Setup can control the printing and job management environment by choosing which queues are enabled, and by electing to set passwords. The Administrator can also manage the fonts on the server, clear the server disk when necessary, and set a common web link for all users who log in to the Fiery ZX using their web browser.
- **Operator**—includes control of print jobs that arrive at the server and the ability to perform calibration and reboot the server.
- **Guest**—allows users to view the status of active jobs and the list of stored jobs. They cannot make changes to jobs or change their printing instructions. A password is not needed to log in as Guest and view jobs from the Command WorkStation or Fiery WebSpooler windows.

This manual describes the features of the Fiery client utilities, including the Command WorkStation, and all operator privileges, whether those privileges are available to everyone or are exclusive to only certain people. It also includes descriptions of administrator functions, sometimes referring you to other manuals for more information.

## Safety warnings

The Fiery ZX 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 ZX

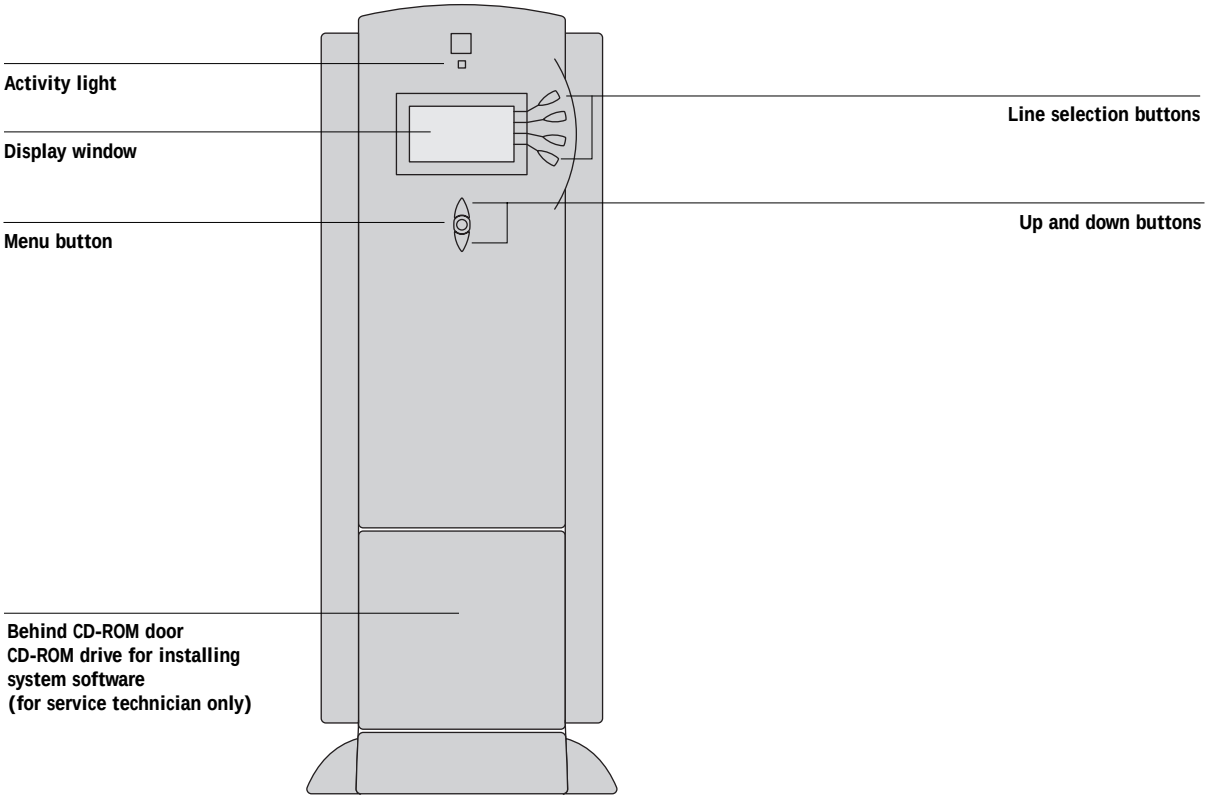
Clean the Fiery ZX with a soft cloth moistened with isopropyl alcohol or ethyl alcohol. *Never* use water or ketone as these may permanently alter the display.

# Chapter 1: Using the Control Panel

You can use the Fiery ZX Control Panel to view status information, print special pages, and set up printing. While most elements in the Control Panel display have counterparts in the Command WorkStation, you can view current functions on the Control Panel even when the Command WorkStation is not connected to the server or is not running.

## Introduction to the Fiery ZX Control Panel

The Control Panel, shown below on the front of the Fiery ZX, comprises the following parts:



## Activity light

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

| | |
|---|---|
| Solid red | An error has occurred causing the Fiery ZX to be disabled. |
| Flashing red | There is an error causing printing to be disabled, but the Fiery ZX is capable of processing. |
| Solid green | The Fiery ZX is idle. |
| Flashing green | The Fiery ZX is processing or printing a job, or communicating with a remote computer. |
| No light | The Fiery ZX 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. When a button is active, a special character (>) appears in the display window next to the button. |
| Up and down 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 scroll alphanumeric characters. |
| Menu button | Press this button to view other screens. Under normal operation, the Control Panel displays the Info, RIP, or Print Status screen with information about the status of the Fiery ZX. If you press the Menu button, the Functions menu is displayed and you can perform additional operations (see page 1-5). If a job is processing or printing, press the Menu button to cycle among the active screens. |

## Display window

The display window provides information about the status of the Fiery ZX, 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 ZX is doing. Only the icons for the screens that are currently available appear. The menu button cycles among the active screens.

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, "Troubleshooting."

Print Status — When the Fiery ZX is printing 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 job printed and the total number of copies of the job requested.

RIP Status — When the Fiery ZX 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 ZX 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 size (in kilobytes) of the job processed so far. **NOTE:** This number is always displayed in kilobytes, even if the amount goes over 1000KB; for example, 10MB is displayed as 10000KB.

Info Status

When the Fiery ZX 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 ZX name.

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

Megabytes—The space (in megabytes) available on the Fiery ZX hard disk, for example, 756MB.

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

Functions

You can press the Menu button to display the Functions menu. Use the up and down buttons to scroll through the list. Press the line selection button to the right of a command to select that command. See page 1-5 for more information.

Network

The network icon appears at the bottom left of any of the other screens when a job is being sent to the Fiery ZX, either over the network or through the parallel port. The network icon also appears, together with a flashing green activity light, when a remote utility is running.

## Functions menu

The Functions menu provides many of the options available from the Command WorkStation. You can choose the following commands from this menu:

**Print Pages** Print special pages from the Fiery ZX. You can print the following pages from the submenu that appears:

Test Page—A Test Page enables you to confirm that the Fiery ZX is properly connected to the copier, and provides color and grayscale samples to troubleshoot problems with the copier or the Fiery ZX. The following settings are among those listed on the Test Page: Server Name, Printer Model, color settings, calibration information, date and time the Test Page was 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 ZX, the current options for all Setup settings, information about the current calibration, and the Ethernet and Token Ring addresses of the Fiery ZX.

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 “Job Log window” on page 2-32.

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 ZX, see the *Configuration Guide*.

Color Charts—Prints samples of the RGB, CMY, and PANTONE colors available from the Fiery ZX.

Font List—Prints a list of all fonts currently on the Fiery ZX hard disk.

**Suspend Printing** Suspend communication between the Fiery ZX and the copier. You *must* suspend printing if you want to interrupt the current Fiery ZX job so that you can use the copier to make copies. Jobs continue to process on the Fiery ZX. After you make the copies, select Resume Printing to continue printing jobs from the Fiery ZX.

**Resume Printing** Resume communication between the copier and the Fiery ZX after you have finished making copies.

**Run Diagnostics** This function is provided for service representatives only. Contact your authorized service/support technician for information about running diagnostics.

**Reboot Server** Shut down all Fiery ZX activity in the correct manner and then restart. You should use this option instead of the switch on the back of the Fiery ZX.

## Starting and shutting down the Fiery ZX

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

### Starting the Fiery ZX

To start the Fiery ZX, move the switch on the back of the Fiery ZX to the On position.


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

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

Press any key for setup…

If you want to change Setup option settings, press any button; if you do not press a button, the Fiery ZX continues starting up and displays the message Idle when it is ready to receive data.

**NOTE:** If an Administrator password has been set, you are required to enter it to access Setup.

If you press a button, the following options appear.

For information about the Setup menus and options, see the *Configuration Guide*.

| Choose: | To do this: |
|---|---|
| Exit Setup | Exit the Setup menus; the Fiery ZX reboots. |
| Server Setup | Enter the Server Setup menus. |
| Network Setup | Enter the Network Setup menus. |
| Printer Setup | Enter the Printer Setup menus. |
| PS Setup | Enter the PostScript Setup menu. |
| Color Setup | Enter the Color Setup menu. |
| Job Log Setup | Enter the Job Log Setup menu. |
| Change Password | Change the Administrator password. |
| Clear Server | Clear all jobs in all server queues as well as all jobs archived on the Fiery ZX hard disk, the index of archived jobs (in the Archive window), all FreeForm masters, the index of FreeForm masters (in the FreeForm windows), and the Job Log. Check with your administrator or operator before choosing Clear Server. |

## Restarting the Fiery ZX

You should use the procedure described below to restart the Fiery ZX rather than using the power switch on the back of the Fiery ZX.

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**TO RESTART THE FIERY ZX:**

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

   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 ZX 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 button to scroll to the last screen and choose Reboot Server.**

## Shutting down the Fiery ZX

You may need to shut down the Fiery ZX 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 ZX.

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**TO SHUT DOWN THE FIERY ZX:**

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

   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 ZX 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 ZX off to ensure that no jobs are lost.

4. **Switch off the Fiery ZX while it is restarting.**

# Chapter 2: Introduction to the Command WorkStation

This chapter introduces you to the graphical user interface of the Command WorkStation. First, you select a user level and log in to the Fiery ZX-40 Color Server. Once you have logged in, you can tour the Command WorkStation windows. Your exploration will be more complete if you have some jobs in the Spool area (jobs printed to the Hold queue) and have the ability to send more jobs from a nearby computer.

Chapter 3 builds on the information in this chapter and describes job monitoring and control in more depth.

## About the Command WorkStation

The Command WorkStation provides a window on Fiery ZX and copier functions, and an interface from which you can control those functions. The Command WorkStation application can be installed on a Windows NT 4.0 computer with a TCP/IP or IPX network connection to the Fiery ZX. To perform Setup from the Command WorkStation, a TCP/IP connection is required.

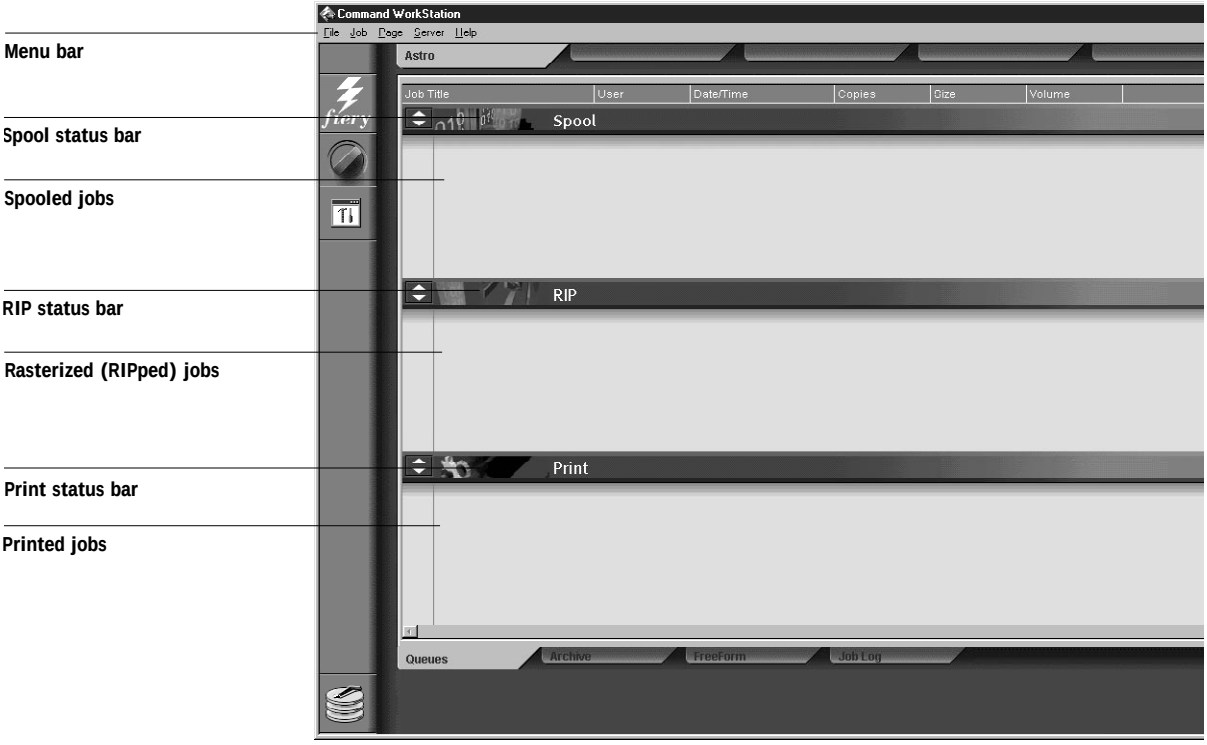
By default, no passwords are set on the Fiery ZX—in this default state, anyone can perform Setup and use all Command WorkStation functions. Until an Administrator password is defined in Fiery ZX Setup, you can log in to the Command WorkStation as an Administrator without entering a password, and you are given full privileges which include:

- A view of current printing jobs and jobs stored on the Fiery ZX
- Control of printing jobs and calibration
- Access to Setup, management of resident fonts, and clearing of the Fiery ZX disk and the Job Log

After the Administrator has performed Setup and specified passwords, Command WorkStation user options depend on your login level. If you log in to the Command WorkStation as Guest, you have the first option only. If you log in as Operator, you have the first two options. If you log in as Administrator, you have all three options. For information about Setup and specifying passwords, see the *Configuration Guide*.

After you connect to a Fiery ZX and log in, your first view of the Command WorkStation is the Queues page (as indicated by the tab at the bottom) which is divided into three regions by Spool, RIP, and Print status bars. The Queues page is surrounded by a frame that includes slider buttons and menus.

Once the Fiery ZX receives print jobs, the Queues page becomes a dynamic display, filled with the names of jobs and their characteristics. Status bars animate in real time as new jobs are processed and printed, and jobs move to different display areas. An operator, who has complete job control, sets the process in motion for each job.



The Spool, RIP, and Print areas of the Queues page represent the stages of printing a job. Jobs come in at the top level (Spool) and drop down to the Print level, unless they are held along the way.

- **Spooled jobs**—Jobs listed below the Spool status bar area are stored on the Fiery ZX disk. Jobs can be routed to this area for holding; held jobs are in PostScript form, displayed on a yellow background.
- **RIPped jobs**—Jobs listed below the RIP status bar are ready to print. They have already been rasterized (RIPped, or processed for printing) and are waiting, in order, for access to the printer. Rasterized jobs can also be held; held jobs are displayed on a yellow background.
- **Printed jobs**—Jobs listed below the Print status bar have already been printed. Printed jobs can be stored on the Fiery ZX disk. The number of jobs that can be stored (from 1 to 99) is defined in Setup.

You can interact with a jobs in the window by selecting them and choosing from Job menu commands or right-mouse menu commands, or by double clicking them. (However, if passwords have been set and you log in as a Guest, you can only view jobs; you cannot change or route them.) This chapter and the next explain the Command WorkStation interface in detail.

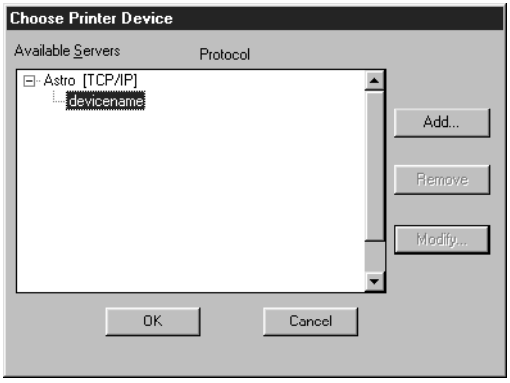
## Starting up and logging in

To start up the Command WorkStation application, click the Windows Start button and choose Command WorkStation from the Programs menu.

### Connecting to the server

If the Command WorkStation was previously connected to a server, you are prompted to choose a Fiery ZX from the list of servers.

**NOTE:** If the Command WorkStation has never been connected to a Fiery ZX, you are prompted to configure an entry for the server. Click OK and see *Getting Started* for instructions on how to configure a new connection.



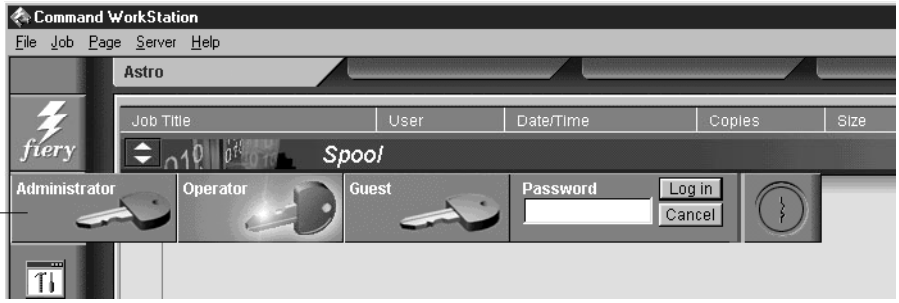

With the Fiery ZX device name (DocuColor) selected, click OK. If the device name is not displayed, click the plus sign (+) to expand the Fiery ZX entry.

The Command WorkStation connects to the server and you are prompted to choose a login level and enter a password to log in (see page 2-5).

If you have any difficulties connecting to the server, see Appendix A for error messages and troubleshooting information.

## Logging in

When the Command WorkStation has connected to a server, the Log in/out slider appears, prompting you to select a login level and enter a password. Before you log in, the Operator key is in the vertical position, and the Administrator and Guest keys are in the flat (horizontal) position. When you click your login level, the corresponding key turns to the vertical position.




Log in/out slider

For Administrator or Operator access to the server, click the corresponding key, enter the password, and click Log in or press Enter. For Guest access only, click the Guest key and then click Log in. No password is required for Guest access.

If you change your mind about logging in, or do not have the password you need, click Cancel.

When you have entered the appropriate password and logged in, the Log in/out slider retracts and the full Command WorkStation display appears. The color of the key in the lock indicates your login level. If the server is handling a large number of jobs, it may take a few moments to display the entire job list.

When you reopen the slider after you have logged in, the Log in button will have changed to the Log out button.

### Access levels

The three possible levels of access to Command WorkStation functions are Administrator, Operator, and Guest. To enable maximum password protection, Administrator and Operator passwords must be specified in Setup (see the *Configuration Guide*).

When both Administrator and Operator passwords have been specified, the access levels are as follows:

| Access level: | Privileges and password requirements: |
|---|---|
| Administrator | Has full access to all Command WorkStation and Fiery ZX Control Panel functions; Administrator password required |
| Operator | Has access to all Command WorkStation functions *except* Setup, clearing the server disk, clearing the Job Log, and font management; Operator password required |
| Guest | Can view job status, but cannot make changes to jobs or Setup; no password required |

**NOTE:** Access privileges alone do not confer control of print jobs. If the operator is going to manage all print jobs, the Administrator must route all user jobs to the Hold queue (that is, all jobs are spooled and held on the server). To accomplish this, only the Hold queue, and not the Direct connection or the Print queue, should be enabled in Setup. See the *Configuration Guide* for more information.

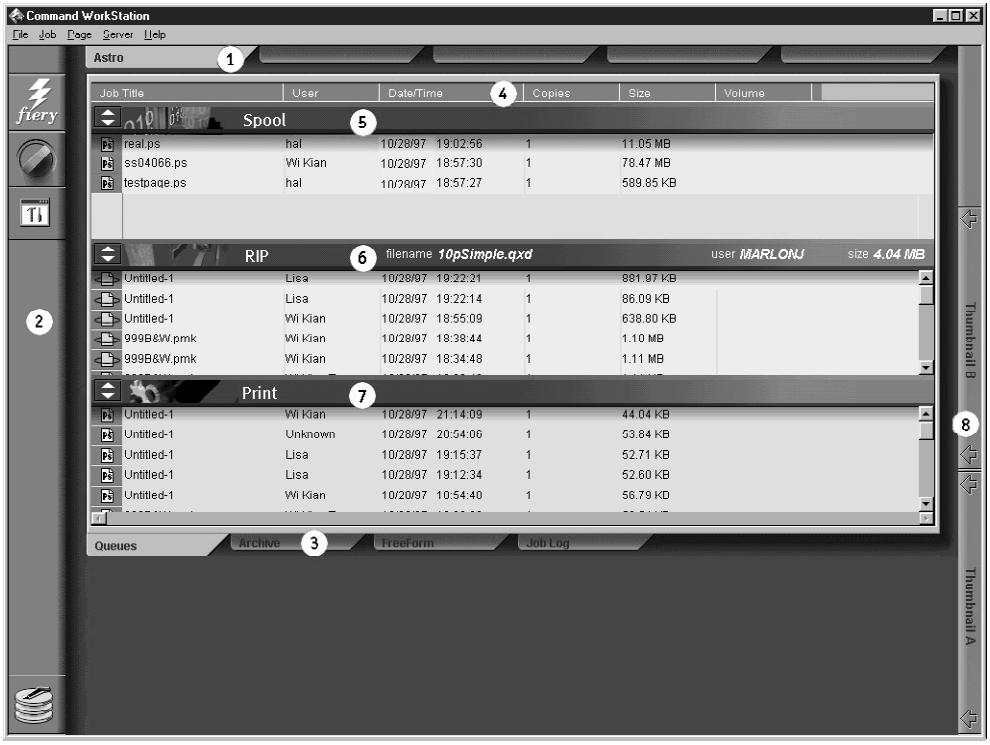
## Logging out

There are two ways to log out from the server:

- From the Server menu, choose Log out
- Open the Log in/out slider (click the key icon just below the Fiery logo) and click Log out

# The Command WorkStation interface

The display illustrated below is the default Command WorkStation display in the middle of job processing. There are three other windows, Archive, FreeForm, and Job Log, which you access via tabs at the bottom of the display (3). The elements numbered 1 through 4 are common to all Command WorkStation displays, those numbered 5 through 7 appear only in the Queues window, and element number 8 is common to the Queues, Archive, and FreeForm windows.




**1 Server selection tabs**

**2 Sliders and system information**

**3 Window selection tabs**

**4 Job ticket information**

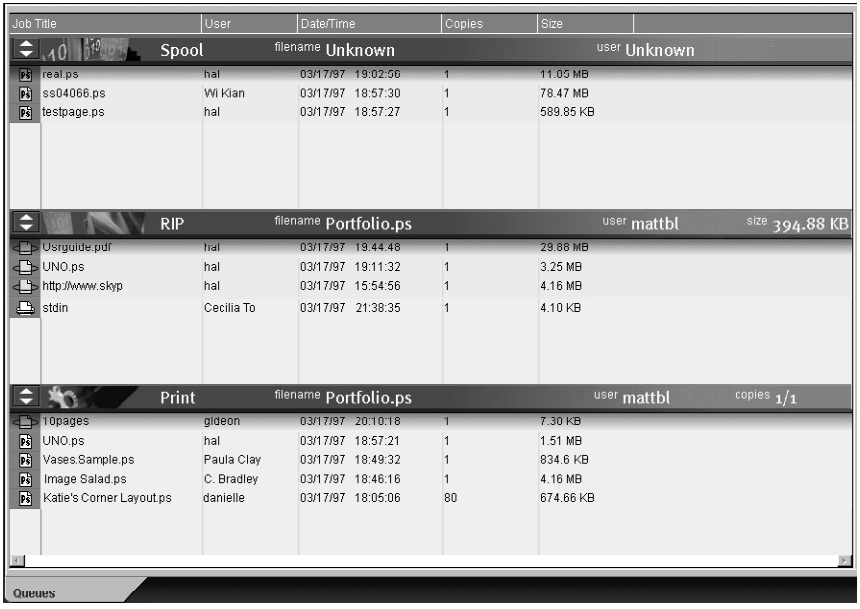
**5–7 Queues window display**

**8 Thumbnail tabs**

The Command WorkStation provides access to a great deal of information and many features that are accessed in various ways—buttons, menus, double-clicking, and right mouse commands. It is a powerful interface that allows for a great deal of interaction and flexibility in the production process. This section describes each of the elements that compose the Command WorkStation display.

## Window area (Queues, Archive, FreeForm, Job Log)

This area can display one of four windows: the Queues window (shown below), the Archive window, the FreeForm window, or the Job Log window. The Queues window is the default window; it shows spooled, processing, and printing jobs in a display that changes dynamically.




For details on the Queues window, see page 2-15; for information on the Archive window, see page 2-26; for information on the FreeForm window, see page 2-30; for information on the Job Log window, see page 2-32.

## Menu bar

The menu bar has five menus. When an action is not available in the current context, the command is dimmed. When a command is marked with a check, selecting it again reverses, or toggles, the command.


| Menu: | Choose this: | | To do this: |
|---|---|---|---|
| File | Preferences | Enable Animation | Turn on or off animation of the status bars |
| | | Enable Popup Help | Turn on or off short captions that appear when you pause the mouse over window elements. The captions identify the main parts of the Command WorkStation window. |
| | | Expand/Collapse All | Expand the status bars to make them more visible from a distance, or collapse them to free up window space |
| | | Revert to Defaults | Restore default settings for the status areas, the column headings, and the column widths |
| | Print Pages | | Print any or all of the following pages: Configuration page, Test Page, Control Panel Map, Font List, Color Charts, Job Log; see page 3-5 |
| | Exit | | Log out from the server, exit the Command WorkStation application, and return to the Windows desktop |

| Menu: | Choose this: | To do this: |
|---|---|---|
| Job (For more information on these commands, see page 2-23) | Delete | Delete one or more selected jobs |
| | Duplicate | Duplicate one or more selected PostScript data jobs in the Spool or Print areas; see page 2-20, page 2-22, and page 2-23 |
| | Rename | Rename a selected job |
| | Hold | Hold the selected job(s); see page 2-18 |
| | RIP and Hold | RIP and then hold the selected job(s); see page 2-18 |
| | Print | Print the selected job(s); see page 2-22 |
| | Print and Hold | Print the selected job(s) and then hold it in the RIP area; see page 2-18 |
| | Process Next | Give top priority to this job |
| | Remove Raster | Remove the raster information from the selected job(s); see page 2-24 |
| | Properties | View and edit print settings for the selected job(s); see page 2-35 |
| | Thumbnail A | Open a selected *held* raster data job in the Thumbnail A window where you can view a full-screen preview of the job, edit the job, or merge it with raster data from other jobs; see page 2-35 |
| | Thumbnail B | Open a selected raster data job (not necessarily a held job) in the Thumbnail B window for viewing or for copying pages into a job in the Thumbnail A window; see page 2-36 |
| | Download | Download files and fonts to the Fiery ZX with Fiery Downloader; see page 3-17 |
| | Archive | Archive one or more selected jobs; see page 2-26 and page 3-23 |
| | Import | Retrieve one or more archived jobs from an external device; see page 3-25 |
| | Send to <*Server*> | Send the selected job(s) to another connected Fiery ZX; see page 3-22 |

| Menu: | Choose this: | To do this: |
|---|---|---|
| Page (DocBuilder commands for Thumbnail A) | Delete | Delete the selected page(s) |
| | Duplicate | Duplicate the selected page(s) |
| | Preview | View a full-screen preview of the selected page; see page 2-38 |
| | Undo | Undo previous Page menu commands (multiple undos available) |
| Server | Cancel RIPping | Stop RIPping the current job |
| | Cancel Printing | Stop printing the current job |
| | Suspend Printing | Temporarily halt printing |
| | Resume Printing | Restart printing (after a Suspend Printing command) |
| | Calibrate | Start the Fiery Print Calibrator utility; see Chapter 6 and Chapter 7 |
| | Manage Fonts | View the fonts currently installed on the Fiery ZX disk, download additional fonts, or delete fonts (requires Administrator privileges); see “Server management commands” on page 3-28 |
| | Reboot | Perform a soft reboot of the Fiery ZX (requires Operator or Administrator privileges); see “Server management commands” on page 3-28 |
| | Clear | Clear all jobs in all queues as well as all jobs archived on the Fiery ZX hard disk, the index of archived jobs, all FreeForm masters, the index of FreeForm masters, and the Job Log (requires Administrator privileges); see “Server management commands” on page 3-28 |
| | Setup | Start the Fiery Setup program (requires Administrator privileges); see “Server management commands” on page 3-28 and the *Configuration Guide* |
| | Log out | Log out of the server |
| Help | About | View the Command WorkStation information screen |

## Server selection tabs

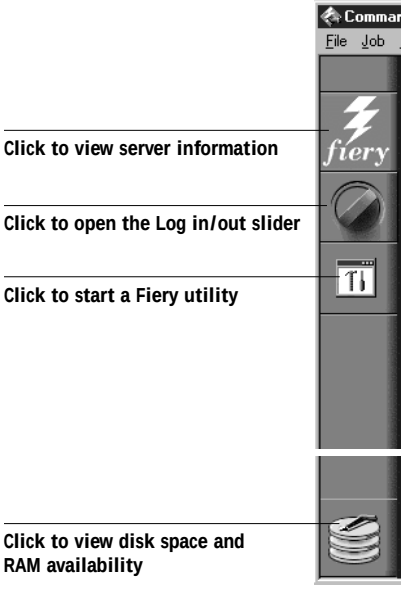

The Server selection tabs, just below the menu bar at the top of the display, can be used to log in to additional Fiery ZX servers (if your site has more than one) and to switch between Fiery ZX servers currently connected to the Command WorkStation.

If you click a blank tab, you are prompted to connect to a server in the list or configure a new server entry (see “Connecting to the server” on page 2-4). A limit of five Fiery ZX-40 Color Servers can be connected to a single Command WorkStation.

You can access the Server selection tabs from all Command WorkStation windows (Queues, Archive, FreeForm, and Job Log).

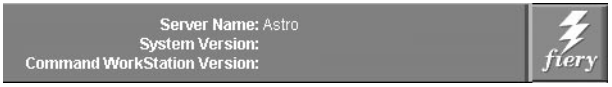
## Sliders

Along the left side of the display are buttons you click to activate function sliders.




To retract any slider, click the icon at the far right of the slider.

### Server information slider




The Server information slider displays name and version information about the currently connected server and the Command WorkStation. To retract the slider, click the Fiery logo at the far right of the bar.

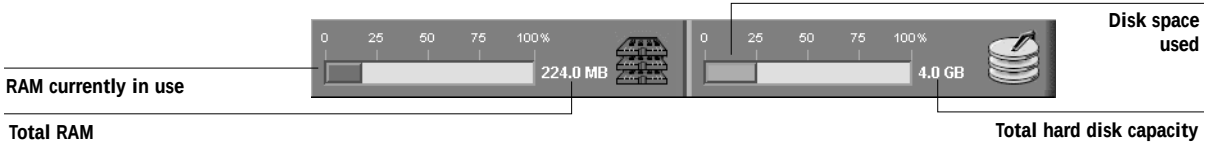
### Log in/out slider


This slider is described in “Logging in” on page 2-5 and “Logging out” on page 2-6. To retract the slider, click the lock icon at the far right of the bar.

### Utilities shortcut slider


This slider can be used to access the Fiery Downloader and Fiery Print Calibrator utilities. These utilities can also be accessed from the Job menu and Server menu, respectively. To retract the slider, click the icon at the far right of the bar.

### Disk space and RAM slider




The System information indicators show the current availability of hard disk space and RAM on the currently selected Fiery ZX server. To retract the slider, click the icon at the far right of the bar.

## Job ticket information


All the jobs listed by name in the Queues, Archive, and FreeForm windows can display the job ticket information specified by the person who originated the print job. The Command WorkStation can display this information because it parses the PostScript file before it is RIPped.

You have considerable flexibility in arranging this information in the display. For example, you can add Media Type to the display if you want to see which jobs call for special paper or other media.


You can choose not to display headers for options that are not used at your site, or you can display all possible options and scroll to see the ones that are less important to you. If you just want to experiment, when you are finished you can choose Revert to Defaults from the File>Preferences menu.

To customize the display in the Queues, Archive, and FreeForm windows, you can:

- Adjust the width of a column by clicking the column border in the heading and dragging left or right.
- Choose the options you want to display, and the sequence in which you prefer to view them. To add, move, or delete a column, hold down the right mouse button on the appropriate job ticket item; release the button after choosing a menu option:

  **Add**—one of the listed columns to the display at your mouse position

  **Move Left, Move Right**—move the selected column left or right

  **Delete**—the selected column

The Job Title and User are required; all other columns are optional.

For example, you can display the Instructions column, which shows information typed into the Instructions field by the user, and you can reduce the width of the column so you are just able to see whether or not there are instructions in it. (To read the full instructions, double-click the job and scroll to the Instructions field in the Properties dialog box.)

### Window selection tabs


The Command WorkStation always starts out by displaying the Queues window, from which you view current job processes and control job flow and file storage. To go to another window, click the corresponding tab at the bottom of the Command WorkStation display.

## Queues window


The Queues window is a dynamic display of the job staging area: jobs are lined up for processing and printing, some of them are being held waiting for directions, some are moving from one stage or queue to another and are finally dropped from the list, some are held for processing by the operator, and some are held in a different queue in case you need to reprint them.

One approach to understanding the dynamic display is to imagine the three parts of the Queues window corresponding to the three stages of printing, illustrated as a downhill flow.

**Spooling**—a PostScript file is saved on the server's hard disk. The file can come in packets from the network, or from another place on the server hard disk. Jobs are added to a queue in the order in which they arrive, and they generally move to another queue in the same order unless an operator has intervened to change the order.

**Rasterizing (RIPping)**—PostScript commands are interpreted in the Fiery ZX to allow the DocuColor 40 to print the file the way its originator intended. The result of this interpretation is a raster file associated with the original PostScript file. In this raster file (raster image), color data is associated with each dot that can be rendered by the print engine. The color data tells the print engine whether or not to apply cyan, magenta, yellow, or black toner to each position on the page.

**Printing**—transferring the raster image from the server to the print engine at high speed, freeing up RAM for the next job. While the PostScript file is usually saved to disk, raster images are held in RAM during and after each print job. However, both users and operators can request that the Fiery ZX save the raster image to disk along with the PostScript file.

Saving the raster image to disk offers some advantages—raster files are already processed so they print quickly, and each part of the raster file is still identified with a page in the original document, which means that individual pages of a saved raster file can be accessed.

## Status bars

Jobs actively involved in the three processes (spooling, rasterizing, and printing) are listed in the **status bars** that span the Queues window.

Status bars show the filename and user name for the active process, and an indication of its progress. Each status bar heads the list of jobs that have completed the process. Thus, beneath the Spool status bar, you see a list of spooled files; beneath the RIP status bar, you see a list of rasterized (RIPped) files. Beneath the Print status bar, you see a list of jobs that have already been printed.


**Spooled jobs on Hold (yellow)**
**Active spooled jobs (white)**


**RIPped jobs on Hold (yellow)**
**Active RIPped jobs (white)**


**Printed jobs (white); some include raster files in RAM**

When a job is being processed, provided animation is enabled (see page 2-9), the corresponding status bar is animated, indicating that the process is active.

If an error occurs, the corresponding status bar alerts you by displaying a message on a red background instead of the normal blue background.

**Enlarging the status bars** Click the small arrows at the left of the status bar to expand the status bar display. Click the arrows again to collapse the status bar to its original size. To expand *all* the status bars at the same time, press Ctrl-E or choose Expand/Collapse All from the File>Preferences menu. Click the arrows or press Ctrl-E again to collapse them to their original size, or choose Expand/Collapse All again.

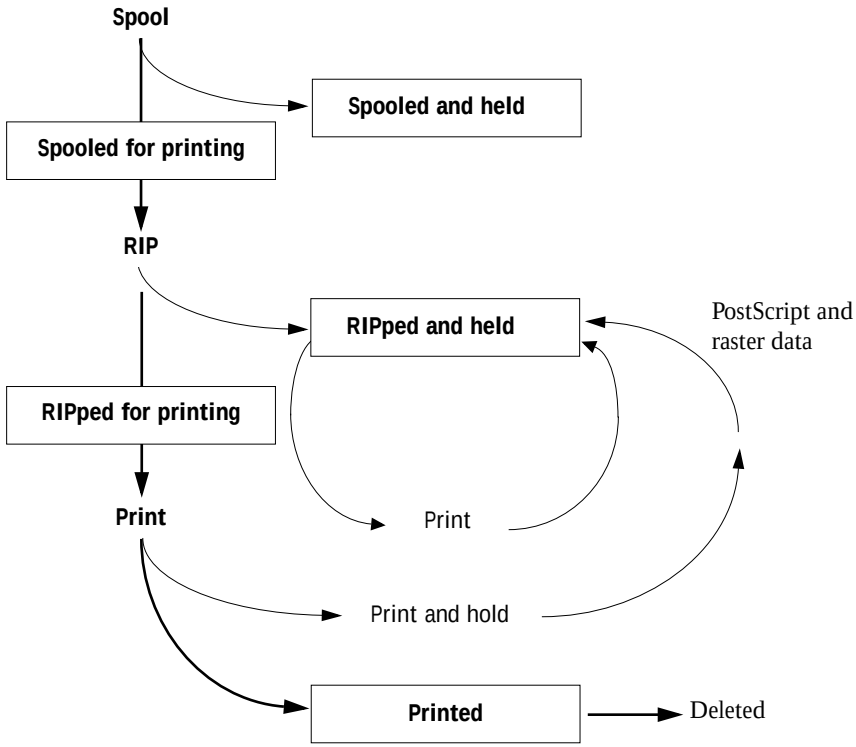

**Changing proportions** By default, the status bars divide the window area into three equal parts. You can drag the RIP and Print status bars up or down to change the proportion of the window devoted to each job area. For example, drag the RIP status bar down if you have a long list of spooled jobs that you want to see without scrolling.

**Making space** If your workflow includes holding many jobs, and you don't want to view the held jobs all the time, consider moving some of them to the Archive window. You can move jobs back and forth between the Queues window and the Archive window with a single right mouse command (see page 2-23).

### Active jobs and Held jobs

In the description that follows, assume that the operator has full control of jobs; that is, the administrator has disabled the Direct connection and the Print queue, and all user jobs come to the Hold queue. For more information about queues, see the *Configuration Guide*.

The operator's job management functions permit *holding* a job at any stage of the process we have described, as illustrated below. In the figure, boxes indicate types of job icons you would see in the Queues window.



Jobs that are held are shown with a yellow icon in a yellow row, just beneath the Spool or RIP status bar. Jobs that are held must be activated with a command in order to print.

Active jobs are shown in white with white icons; new jobs are added above older jobs.

## Job icons

There are three types of icons that are used for both active jobs and jobs on hold.

| Icon: | Active jobs: (white icons and rows) | Jobs on Hold: (yellow icons and rows) |
|---|---|---|
|  PostScript icon | PostScript data after printing, raster deleted | Job from network or job on Hold after printing (Hold) |
|  Printer icon | PostScript or raster data headed for printing | PostScript data headed for Print and Hold |
|  Raster icon | PostScript and raster data after printing, ready for fast reprint | PostScript data already rasterized and held |

## Spool area

The job icons in the Spool area are described below:

| Spool area icon: | What it indicates: | How long you see the job: |
|---|---|---|
| 1  Yellow PS icon Yellow job row | PostScript data from a user on the network; no destination is defined | Until a destination is chosen |
| 2  White printer icon White job row | PostScript data headed for Print | Until the RIP is free |
| 3  Yellow raster icon White job row | PostScript data headed for RIP and Hold | |
| 4  Yellow printer icon White job row | PostScript data headed for Print and Hold | |

The Spool area is both the receiving area for jobs from users on the network (Hold queue) and the waiting area for jobs that will be RIPped (jobs in the Spool queue).

**Hold queue jobs** When printing requires an operator (because the Print queue and Direct connection are disabled), the operator must assign a destination to all jobs received from users on the network (icon 1 in the table above). Once assigned, jobs (icons 2, 3, and 4) move down the Spool queue for processing. All jobs printed to the Hold queue require routing by an operator.

**Print queue jobs** When printing does not require an operator, network jobs sent to the Print queue appear in the Spool area where they are shown with a white printer icon (icon 2). When they reach the head of the queue, they are RIPped and printed without operator intervention.

**Direct connection jobs** Jobs printed to the Direct connection are not displayed in the Command WorkStation job lists. They are displayed briefly in the status bars (where they cannot be selected) and are included in the Job Log.

## RIP area

The job icons in the RIP area are described below:

| | RIP area icon: | What it indicates: | How long you see the job: |
|---|---|---|---|
| 1 |  Yellow raster icon Yellow job row | Raster data, no destination defined; may have been printed before and held | Until it is deleted, moved to the Archive window, or stripped of its raster data and sent to the Spool area |
| 2 |  White printer icon White job row | Raster data headed for Print in its turn; no hold defined | Until copier is free to print the job |

After a job is rasterized, it goes into the RIP area. The RIP area holds only raster data (i.e., jobs that have been rasterized). Jobs in the RIP area are either waiting for the copier to be free (Print queue jobs, icon 2 in the above table), or they are being held. Held jobs in the RIP area have already been rasterized (RIP and Hold) or they have been printed and their raster data has been routed back to the RIP area (Print and Hold), where they are shown in yellow rows (icon 1).

Jobs held in the RIP area remain there until the operator moves them to the Archive window or deletes them. Printing these jobs does not remove them from the RIP area.

## Print area

The job icons in the Print area are described below:

| | Print area icon: | What it indicates: | How long you see the job: |
|---|---|---|---|
| 1 |  White PS icon White job row | PostScript data only—raster data has been deleted | Until the job limit is reached |
| 2 |  White raster icon White job row | Raster and PostScript data<br>If RAM is needed to RIP an active job, the raster data is deleted and the job gets the PS icon (icon 1, above) | Until the job is reprinted or the job limit is reached |

The Print area, also referred to as the Printed queue, contains jobs that have already been printed. These jobs were assigned the Print destination (white printer icon in the Spool or RIP areas) without any Hold instructions; therefore, they all have white icons and rows.

**NOTE:** A job row that appears in light red indicates that a PostScript error occurred while printing the job. To see the error, double-click anywhere in the row.

Newly printed jobs are added to the Printed queue, and are shown at the top of the list. Jobs are saved in the Printed queue until the job limit is reached. When the first job over the limit is printed, the oldest job is deleted from the disk. The default job limit is 20 jobs. The value for Jobs Saved in Printed Queue can be changed in Setup by the administrator.

While it is printing, a job consists of PostScript and raster data. The raster data in RAM is not cleared until memory is needed to rasterize the next job. As long as the raster data is intact, the job can be reprinted from the Printed queue. Printed jobs that still have their raster data are represented by a white raster icon in the Printed queue (icon 2 in the previous table); jobs with only PostScript data remaining are represented by a white PS icon (icon 1). If the job was printed from a held raster job (in the RIP area), the raster data in the RIP area remains and can be used to reprint the job after the raster data has been cleared from the Printed queue.

## Job commands

Job commands are used to assign a selected job to a new destination or process. These commands are available from the Job menu (see page 2-9). Many are also available as right mouse commands (described following the list of commands below). The job commands available at a given time depend on the context; unavailable commands are dimmed. Job commands are available in the Queues, Archive, and FreeForm windows.

The job commands available for selected jobs in the Queues, Archive, and FreeForm windows are listed in the following table. The table also describes the effect of each command on raster data associated with the affected job(s).

| Choose this: | To do this: | Raster data is: |
|---|---|---|
| Delete | Delete the job(s) | Deleted |
| Duplicate | Duplicate one or more selected PostScript data jobs in the Spool or Print areas. You can use the duplicate job(s) for different print options or a different destination. (The Duplicate command actually creates a reference to the original job, with the same name) | n/a<br>(The Duplicate command is not available for raster jobs) |
| Rename | Rename the job (PostScript file with or without raster) | Unaffected, but associated with the new name |
| Hold | Hold the job in the current place (except for a job in the Print area, which is moved to the Spool or RIP area, depending on whether it still has raster data associated with it) | Held in RIP area, if included with job |
| RIP and Hold | RIP the job and hold it in the RIP area | Held in RIP area indefinitely |
| Print | Print the job in its turn (RIP it first if it does not have raster data)<br>After printing, keep the printed job in the Print area until the job limit is reached. | Temporarily held in RAM after printing until memory is needed for another job<br>(If the job was printed from a held job in the RIP area, the raster data in the RIP area is kept indefinitely) |
| Print and Hold<br>(Like the user print option Save Fast Reprint) | Print the job in its turn (RIP it first if it does not have raster data)<br>After printing, hold the PostScript data and the raster in the RIP area | Held in RIP area indefinitely (saved to disk) |

| Choose this: | To do this: | Raster data is: |
|---|---|---|
| Process Next | Give top priority to this job<br>RIP (and then print) it as soon as the processor is free, before other waiting jobs<br>Option is dimmed if there are no other waiting jobs | n/a<br>**NOTE:** This command is available only for jobs in the Spool area that are not currently held. |
| Remove Raster | Remove the raster data from a job that has raster data (indicated by a raster icon); leave the PostScript data unaffected | Deleted<br>**NOTE:** If you remove raster from a job in the RIP area, the job is sent to the Spool area. |
| Properties | View and override print settings for a selected job or a group of selected jobs | Possibly deleted and regenerated, depending on whether you change any settings that require re-RIPping |
| Thumbnail A | Open the selected *held* raster data job in the Thumbnail A window where you can view a full-screen preview of the job, edit the job, or merge it with raster data from other jobs | Saved, and may be changed if job is edited |
| Thumbnail B | Open the selected raster data job (not necessarily a held job) in the Thumbnail B window for viewing or for merging into a job in the Thumbnail A window | Unchanged |
| Download | Download files and fonts to the Fiery ZX with Fiery Downloader; see page 3-17 | n/a |
| Archive | Archive the selected held job(s) to the Fiery ZX hard disk or to a device on the network and move the job icon to the Archive window; see page 2-26 | Archived with the job, if archiving of raster data is specified |
| Import | Import PostScript or raster data jobs previously archived to external volumes; see page 3-25 | Imported with the job, if it is available |
| Send to <*Server*> | Transfer the selected job(s) to another currently connected Fiery ZX; see page 3-22 | Transferred with the job |

### Using right mouse commands

Use the following instructions to activate job commands with a single right mouse click.

---

**TO ROUTE JOBS WITH RIGHT MOUSE COMMANDS:**

1. **To route a single job in the job list, right-click the job.**
2. **Select one of the commands or destinations and release the mouse button.**

   The command is carried out or the job is routed to the destination you chose. Depending on your choice, the job line may reappear in a different part of the window or a different window, or the job line may be deleted.
3. **To route multiple jobs at the same time, select the jobs first. Click the job line to select the first job. Shift-click to select adjacent jobs; Ctrl-click to select nonadjacent jobs.**

   **NOTE:** Select jobs with the same job icon; otherwise, the destination options may not be the same. For example, select multiple jobs in the Spool area, and choose Print.
4. **With the cursor still in one of the selected job lines, press the right mouse button.**
5. **Select one of the commands or destinations and release the mouse button.**

   The command is carried out or the jobs are routed to the destination you chose.

## Archive window

If you want to store jobs before or after printing them, you can archive them. The Fiery ZX can archive jobs internally (on the Fiery ZX hard disk) and externally, on the Command WorkStation hard drive or on network drives. For instructions on how to archive jobs, see page 3-23.

Both PostScript and raster data jobs can be archived, but jobs must first be *held* in the Spool or RIP areas of the Queues window before they can be archived.

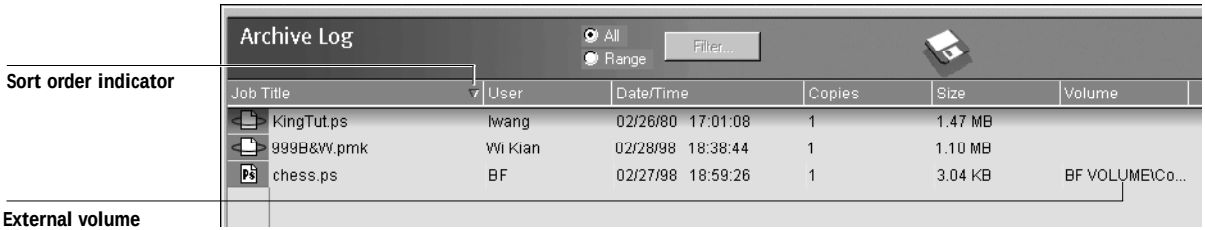
When you archive a job, the job is *moved*, not copied, to the archive destination (the Fiery ZX archive area or the external device). The Archive window shows a cumulative list of *all* jobs that have been archived. This list is cleared (along with all jobs on the server) by a Clear Server or Clear command.

The job icons in the Archive window are described below:

| Archive icon | What it indicates |
|---|---|
|  PostScript icon | PostScript data only—raster data not present or deleted<br>Job was archived from the Spool area |
|  Raster icon | Raster and PostScript data<br>Job was archived from the RIP area |

The job commands described on page 2-23 can also be used with jobs in the Archive window.

The icons that appear in the Archive window are always white, since they have no destination (as long as they are in the Archive window).




By default, the Archive window displays *all* archived jobs. Until they are deleted, archived jobs remain in the Archive window indefinitely. You can display a subset of archived jobs based on various selection criteria by using the Filter command (see page 2-28).

For jobs archived to external devices, the Volume column shows the volume and pathname of the device. For jobs that were archived to the Fiery ZX hard disk, the Volume column is blank.

As with the Queues window, you can select the headings for the display and use Job menu or right mouse commands; you can also sort jobs.

| To: | Do this: |
|---|---|
| Sort jobs in a category, such as by Date | Double-click the Date heading. A small arrow indicates whether jobs are sorted in ascending or descending order. Double-click again to sort in the reverse order. |
| Route a job to a destination in the Queues window | Use job commands from the Job menu or the right mouse command menu. For example, to print a job, choose Print or Print and Hold. You can also select and route multiple jobs. For details, see page 2-25.<br>The other options, RIP and Hold, or Hold, send a copy of the job to the Queues window (to the RIP and Spool areas, respectively) without printing it; Remove Raster (which applies only to jobs with the raster icon) leaves only the PostScript data for the job in the Archive window. |
| View only particular jobs | Select Range, click Filter, and make entries in the Filter dialog box (see page 2-28). |
| Delete a job | Select the job(s) and choose Delete from the Job menu or right mouse command menu. |

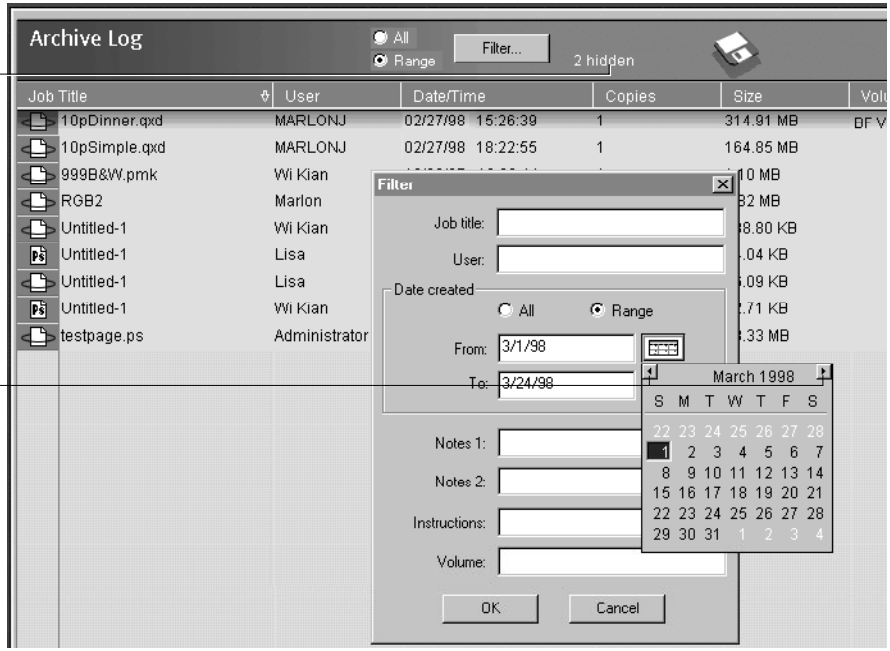
| To: | Do this: |
|---|---|
| Display or move job ticket information headers in the Archive window | Click the right mouse-button on the appropriate column head; a drop-down menu lists the options that you can add to the display. The categories are the same as in the Queues window (see page 2-14) but you can arrange them differently. The column head arrangements you set in the Archive window are independent of those you set in the Queues window. |
| Adjust the width of a column | Click the column border in the heading and drag left or right. |
| Export the currently displayed list of archived jobs to a tab-delimited text file | Click the floppy disk icon (at right of the Filter button). Specify a filename and a location for the file and click Save. You can then open the exported file with a spreadsheet, database, or word-processing application. |

## Filtering jobs in the Archive window

The Archive window displays a cumulative list of *all* archived jobs. If a large number of jobs have been archived, it may be difficult to locate a particular job or a particular group of jobs. You can display a specified subset of jobs by filtering jobs in the Archive window.

You can filter jobs according to any or all of the following criteria:

- Job title
- User name
- Date created (or a date range)
- Notes 1 or Notes 2
- Instructions
- Volume




**Number of archived jobs not currently displayed**

**Click to show earlier or later months**

The Filter command lets you perform a search based on any and all values you specify in the Filter dialog box. Enter values in all fields relevant to your filtering criteria. If you enter values in more than one field, only jobs that meet *all* the criteria are displayed. For example, if you enter 10 in the Job Title field and Marlon in the User field, only those jobs whose titles contain the string "10" *and* whose User name contain the string "Marlon" will be displayed.

To filter by date, select Range in the Date created area of the Filter dialog box and enter dates in the From and To fields; or, click the calendar icons next to the From and To fields and select dates by clicking on them in the calendars. Use the arrows at the upper corners of the calendars to display different months.

When filtering is in effect, the Archive window shows a "[number] hidden" message that indicates the number of archived jobs not currently displayed.

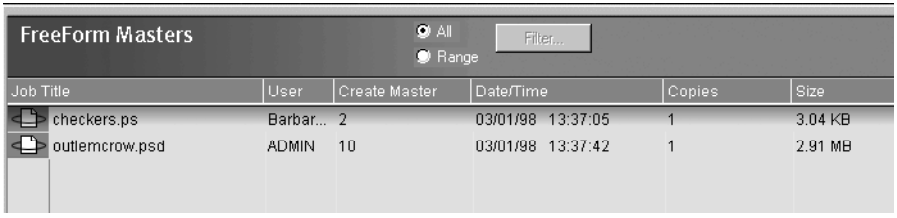
## FreeForm window

Fiery ZX FreeForm allows for the creation and storage of rasterized master documents that can be combined with other print jobs containing variable data elements. A FreeForm master is created for every job with a Create Master print option setting from 1 to 100 (that is, any value other than None).

The FreeForm window displays up to one hundred FreeForm masters. These jobs are available as master pages for variable data print jobs.

Users can specify a Create Master job setting when they print a job, but they can specify values of 1 through 15 only (due to limitations of the printer driver interface). This setting can be changed to a value from 1 to 100 from the Command WorkStation. For more information on using FreeForm features, see “Printing variable data documents (FreeForm)” on page 3-16.

**NOTE:** The FreeForm window does *not*, by default, display FreeForm master numbers. To see these numbers, add a Create Master column header to the job ticket information display as described on page 2-14.




Only raster data icons appear in the FreeForm window—all FreeForm master jobs have already been rasterized and their raster data is kept indefinitely, until the FreeForm master is deleted. The job icons in this window are always white.

By default, the FreeForm window displays *all* FreeForm master jobs. Until they are deleted, FreeForm master jobs remain in the FreeForm window indefinitely. FreeForm master jobs (along with all other jobs on the server) and the index of FreeForm master jobs are cleared by a Clear Server or Clear command.

You can display a subset of FreeForm master jobs based on various selection criteria by using the Filter command (see page 2-32).

As with the Queues window, you can select the headings for the display and use Job menu or right mouse commands; you can also sort jobs.

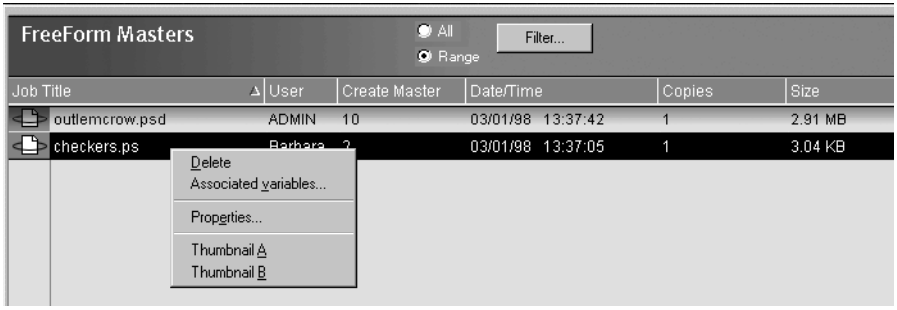
| To: | Do this: |
|---|---|
| Sort jobs in a category, such as by Date | Double-click the Date heading. A small arrow indicates whether jobs are sorted in ascending or descending order. Double-click again to sort in the reverse order. |
| Route a job to a destination in the Queues window | Use job commands from the Job menu and the right mouse command menu. See the section below,"Job commands for FreeForm master jobs," for details. |
| View only particular jobs | Select Range, click Filter, and make entries in the Filter dialog box (see page 2-28). |
| Delete a job | Select the job(s) and choose Delete from the Job menu or right mouse command menu. |
| Display or move job ticket information headers in the FreeForm window | Click the right mouse-button on the appropriate column head; a drop-down menu lists the options that you can add to the display. The categories are the same as in the Queues window (see page 2-14) but you can arrange them differently. The column head arrangements you set in the FreeForm window are independent of those you set in other windows. |
| Adjust the width of a column | Click the column border in the heading and drag left or right. |

## Job commands for FreeForm master jobs

The following job commands, described on page 2-23, can be used with jobs in the FreeForm window:

- Delete
- Hold
- Print
- Properties
- Thumbnail A
- Thumbnail B

**NOTE:** Some of these commands are available only from the Job menu.




In addition, a special right-mouse command, Associated variables, is provided for FreeForm master jobs. The Associated variables command lets you display all jobs (presumably variable data jobs) for which this job's FreeForm master number has been specified with the Use Master print option.

### Filtering jobs in the FreeForm window

The FreeForm window displays a cumulative list of *all* FreeForm masters. If the window contains a large number of FreeForm master jobs, you may want to display only a specified subset of FreeForm master jobs. You can do this by filtering jobs in the FreeForm window.

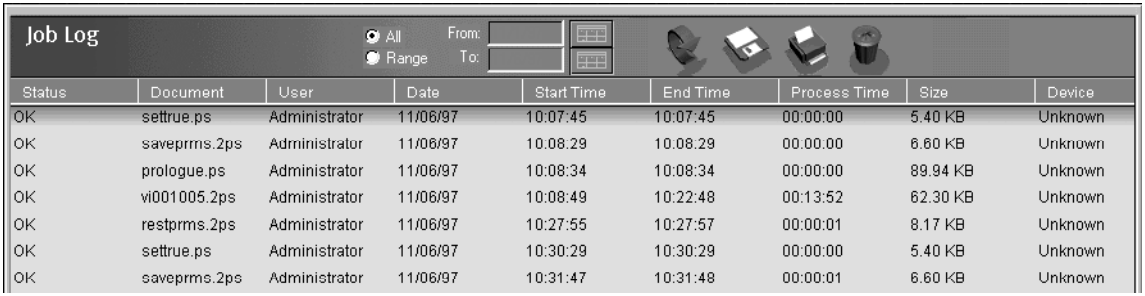
The Filter command for the FreeForm window works exactly the same way as the Filter command for the Archive window. For instructions on using this feature, see the description given in "Filtering jobs in the Archive window" on page 2-28.

## Job Log window

The Job Log is a list of processed and printed jobs, the date and time they were processed or printed, and the characteristics of the job. It includes downloaded files and fonts and RIP and Hold jobs.

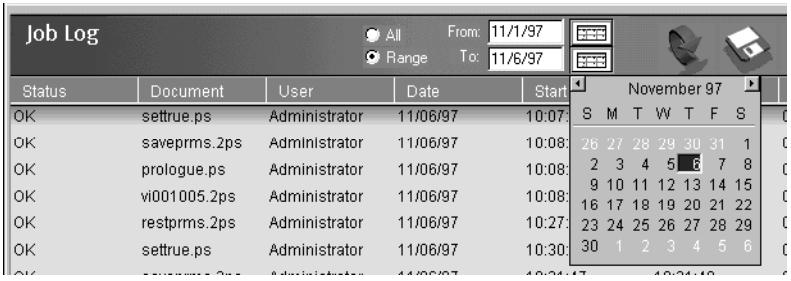
At any given time, the Job Log includes only those jobs processed or printed since the Job Log was last cleared. The Job Log can be cleared manually from the Job Log window or automatically if the administrator has enabled autoclearing of the Job Log in Setup. The Job Log is also cleared whenever a Clear Server or Clear command is executed (see page 1-7 and page 2-9).

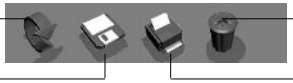
You can adjust the column widths in the Job Log display by clicking the column border in the heading and dragging left or right. For more information, see Chapter 3.




| Status | Document | User | Date | Start Time | End Time | Process Time | Size | Device |
|---|---|---|---|---|---|---|---|---|
| OK | settrue.ps | Administrator | 11/06/97 | 10:07:45 | 10:07:45 | 00:00:00 | 5.40 KB | Unknown |
| OK | saveprms.2ps | Administrator | 11/06/97 | 10.08.29 | 10.08.29 | 00.00.00 | 6.60 KB | Unknown |
| OK | prologue.ps | Administrator | 11/06/97 | 10:08:34 | 10:08:34 | 00:00:00 | 89.94 KB | Unknown |
| OK | vi001005.2ps | Administrator | 11/06/97 | 10:08:49 | 10:22:48 | 00:13:52 | 62.30 KB | Unknown |
| OK | restprms.2ps | Administrator | 11/06/97 | 10:27:55 | 10:27:57 | 00:00:01 | 8.17 KB | Unknown |
| OK | settrue.ps | Administrator | 11/06/97 | 10:30:29 | 10:30:29 | 00:00:00 | 5.40 KB | Unknown |
| OK | saveprms.2ps | Administrator | 11/06/97 | 10:31:47 | 10:31:48 | 00:00:01 | 6.60 KB | Unknown |

When you open the Job Log, you can choose to display all jobs in the current Job Log or only the jobs in a specified date range. By default, all jobs are displayed. To specify a date range, select Range and enter dates in the From and To fields; or, click the calendar icons next to the From and To fields and select dates by clicking them in the calendars. Use the arrows at the upper corners of the calendars to display different months. After you have specified the date range, click the Update icon to update the Job Log display with your settings.



**Update the Job Log window display**

**Clear the Job Log**

**Export the Job Log**

**Print the Job Log**

**Updating the Job Log display** To update the Job Log window display after specifying a job range (or at any other time), click the Update icon.

**Exporting the Job Log** From the Job Log window, you can export the Job Log to a tab-delimited text file. The exported file can be opened with a spreadsheet, database, or word processing application. The exported Job Log contains the jobs for the date range you specified.

**Clearing the Job Log** The Job Log is stored on the server disk. When logged in as Administrator, you can clear the Job Log by clicking the trash icon. The Job Log is cleared whenever an Administrator clears the server or installs new software. In addition, the Job Log can be cleared automatically after every 55 jobs.

**Printing the Job Log** To print the Job Log, click the printer icon, or choose Print Pages from the File menu, select Job Log, and click Print. The printed Job Log contains the jobs for the date range you specified. See “Using the Job Log” on page 3-26 for more information.

**Printing and clearing the Job Log automatically** You can decide how you want to handle the Job Log. If you have Administrator privileges, you can choose Setup from the Server menu and enter your preferences in the Job Log Setup. You can choose to print the Job Log automatically every 55 jobs, or both print and clear the Job Log automatically every 55 jobs. You can also choose the Job Log page size.

## Job properties

When logged in as Operator or Administrator at the Command WorkStation, you can use the Properties command to check and override the print option settings (properties) of all jobs.

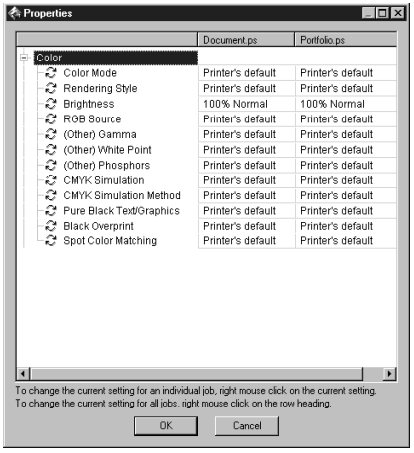
You can use this command for several purposes:

- To check a user's job settings, especially notes and instructions
- To override a setting based on printed output or other print device conditions
- To change settings for a duplicate of the original job
- To print a single copy of a job before printing the number of copies required by the user

## Viewing and editing job properties

The Properties command lets you view and edit the print option settings of multiple jobs simultaneously. You can use this feature to compare the properties of several jobs and thereby group together jobs with similar settings, if it is beneficial for throughput or efficiency.

To view the properties of one or more jobs, select the job(s) and choose Properties from the Job menu or the right mouse menu.




For information on using the Properties dialog box to change job settings, see “Viewing and overriding print settings” on page 3-14.

# Thumbnails and full-screen previews (DocBuilder)

The Command WorkStation includes a powerful DocBuilder tool that allows you to preview and edit raster data. (For information on how to identify a raster data job, see page 2-19.) DocBuilder consists of two thumbnail windows and several page-manipulation commands (listed in the Page menu).

The DocBuilder tool can be used in the following ways:

- In the Thumbnail A window, you can see thumbnails of the currently RIPping job, as it is processed, or of any raster data job (see “Previewing print jobs” on page 3-9).
- From the Thumbnail A window you can open a full-screen preview of a raster file (see “Full-screen previews” on page 2-38).
- Using the Thumbnail A and Thumbnail B windows together, you can merge raster data from more than one file, even if the files were printed from different applications on different computer platforms (see the next section and “Merging raster files with DocBuilder” on page 3-10).

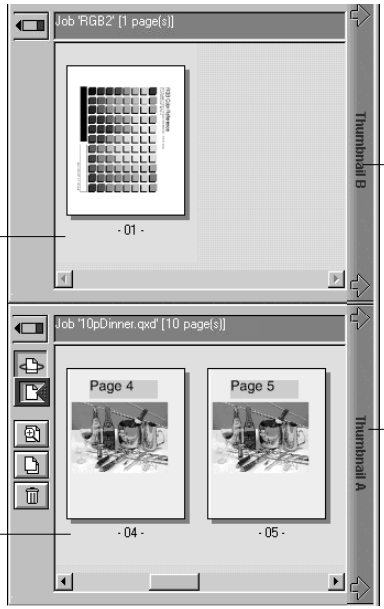
DocBuilder’s merge features eliminate the limitations of particular software applications. You can merge raster pages of documents of different types, even different computer operating systems. You can merge color pages from graphics programs with text pages from a word processor. An outline of DocBuilder’s features follows; for more information and applications, see “Merging raster files with DocBuilder” on page 3-10.

## Editing and merging files with DocBuilder

When you select a raster data job and choose the Thumbnail A or Thumbnail B command (from the Job menu or from the right mouse commands), the corresponding Thumbnail slider opens automatically, displaying thumbnails of the editable file. To close the Thumbnail slider, click anywhere in the tab along the right edge of the Thumbnail window. When the Thumbnail window is open, the arrows in the tab point to the right, indicating that clicking the tab retracts the slider.

With the Thumbnail A window you can see thumbnail views of any raster data job—that is, any file that is currently RIPping, or any file that has been RIPped and held to disk. You can also use the Thumbnail A window to edit a raster file—you can change the sequence of pages, delete pages, duplicate pages, and copy pages from other raster files into the Thumbnail A window. You can save the edited raster file as a new printable document.

The Thumbnail B window can also display thumbnails of a raster job, and the document displayed in Thumbnail B can be used as a source for editing the document shown in Thumbnail A.




**Thumbnail B (source)**

**Thumbnail A (target)**

**Click here to close the Thumbnail B window**

**Click here to close the Thumbnail A window**

You can merge documents by dragging (copying) one or more entire pages from Thumbnail B to Thumbnail A. This creates a new document in the Thumbnail A window. If you select one or more pages in the Thumbnail A window, the commands in the Page menu give you additional editing possibilities. (Most of the Page menu commands are also made available by right-clicking pages in Thumbnail A.) Multiple undos of Page menu commands are possible.

You can merge pages from multiple documents into the Thumbnail A document by opening documents one after another in the Thumbnail B window. Documents in the Thumbnail B window are view-only, and while you can copy pages from Thumbnail B to Thumbnail A, you cannot edit the Thumbnail B document. A merged document that you create in Thumbnail A can be saved (with a different name) as a new raster data file.

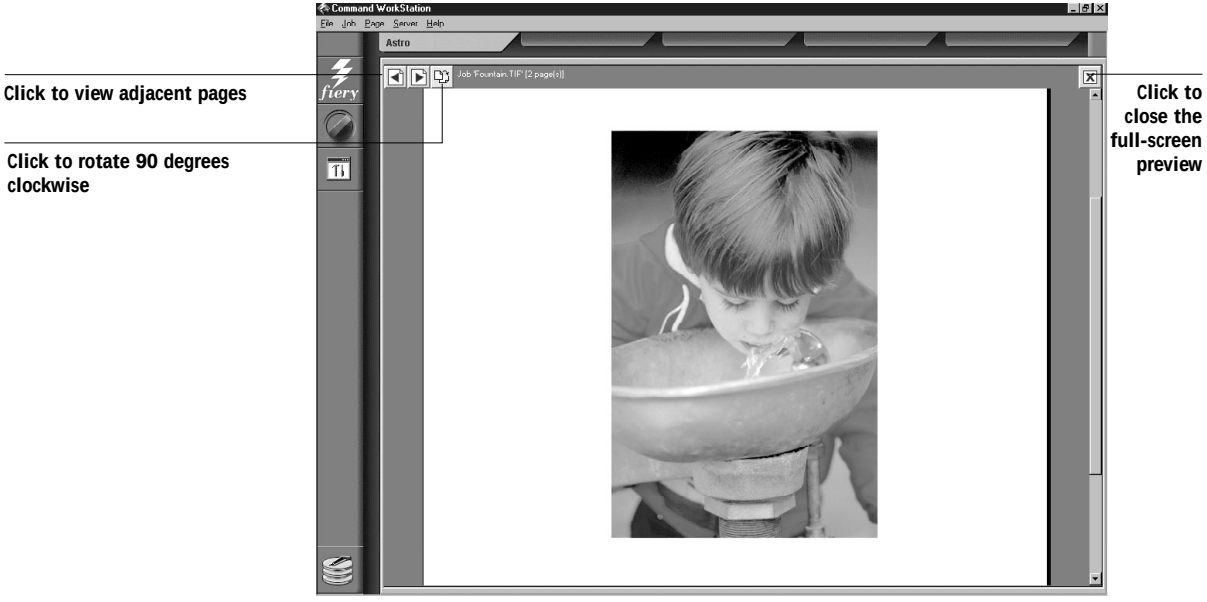
For more information, see “Merging raster files with DocBuilder” on page 3-10.

### Full-screen previews

Double-clicking any page in the Thumbnail A window opens a full-screen preview of the page. The full-screen preview is a view-only display, and it takes time to retrieve the data. Once begun, the process cannot be canceled.

**NOTE:** If you have edited a raster job with DocBuilder, you must save the edited file before you can view full-screen previews of all its pages.

Using the icons in the full-screen preview, you can display adjacent pages, rotate the page, or close the preview.



# Chapter 3: Managing Print Jobs

This chapter provides some general information about managing printing with the Fiery ZX Color Server and the DocuColor 40, and gives you some hints on using the Command WorkStation windows to monitor and manage print jobs. It suggests ways to guide users so that their jobs are more likely to print correctly the first time. The chapter also follows the course of a print job and shows possible ways to expedite jobs and take advantage of the special capabilities provided by the Command WorkStation.

## Communicating with users

The Command WorkStation interface facilitates communication between users and operators. All the same, users who originate print jobs may need to become better informed about the Fiery ZX and the DocuColor 40 so they can choose the appropriate options for their jobs.

### What the user needs to know

You or the network administrator should consider supplying some of the following information to your users:

- The name of the printer on the network and the names of servers sharing the printer
- User's access status

  Do all jobs require operator intervention because they go to the Hold queue? If not, which connections are published—Direct connection and/or Print queue?
- How long you will hold jobs on the server before you delete them
- List of default printer settings and other settings (from the Configuration page)
- List of installed fonts

  Do the users' applications download fonts automatically? If not, can users download fonts, should they embed them in documents, or should they supply them to you so you can download them?
- Requirements for Notes fields (information which appears in the Job Log)

  For example, department name, account code, phone number or extension. Is some information mandatory at your site?
- Resident calibration target and date of current measurements

- Custom simulations

  Are they available? What type of targets do they represent? Users see these print options (CMYK Simulation) and should not select them if there are no custom targets on the server.

- IP address or DNS name of printer so users can access Fiery WebTools, at least to see if their jobs have printed
- Available media, alternative choices, standard tray/media configurations
- Suggestions for the Instructions field
- Information users might find in the WebLink web site
- Instructions for setting up the printer on client computers
- Sources of PostScript printer drivers, PPDs, color reference files, and additional information
- Recommended PPD settings
- Conflicting settings and common PostScript errors

## How users communicate print requirements

Explain to remote users the information *you* check and what you need to know in order to print the jobs they send. The Instructions field is suited for communication about the job requirements. Notes fields appear in the Job Log so they are more suited for accounting, billing, and job cost information.

Users can provide you information with the print job, for example:

- Information entered in the Instructions field or the Notes fields—special requirements at your site (see below)
- Job ticket information provided by PPD option settings (job properties)

### Notes fields

- User name and phone number
- Priority, due date, request for notification
- Number of copies needed
- Request that operator do color check
- Hold job for future printing or future reprinting
- Merge with another job, and merging instructions
- Quantity of paper required
- Future requirements for the job

## Customizing the Command WorkStation window

You can customize the display of job ticket information in the Queues window by rearranging the headings. The Job Title and User name are always at the left, but you can tighten the columns so you see what you need, and move and add other column headings so the most important information is visible without scrolling. The following procedure is also described on page 2-14.

### TO CUSTOMIZE THE QUEUES WINDOW DISPLAY:

1. **Right-click in the column heading.**

   A menu appears. The Add submenu lists the headings that are not already displayed.

2. **Choose the options you want to display, and the sequence in which you prefer to view them.**

   Add, delete, or move a column by holding down the right mouse button on the name of the appropriate column heading; release the button after choosing one of the menu options:

   **Add** one of the listed columns to the display at your mouse position.

   **Move Left, Move Right**—move the selected column left or right.

   **Delete** the selected column.

   The Job Title and User columns are required—all others are optional.

3. **Adjust the column widths.**

   Adjust the width of a column by clicking the column border in the heading and dragging to the left or right. You can change the column widths at any time.

   If you display the Instructions column, which shows information typed into the Instructions field by the user, you can reduce the width of the column so you can just see whether or not there are instructions in it.

4. **With a narrow Instructions column, if you want to read detailed instructions, double-click the job and choose Notes from the Job Properties window.**

   This also allows you to read the notes. You can edit or annotate the information in the Instructions field if you wish. It remains with the job as long as the job is on the server. The operator cannot edit the Notes fields.

## Printing server information pages

Using the Print Pages command from the File menu you can print various special pages of information stored on the Fiery ZX. These include:

- 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 ZX, the current settings for all Setup options, information about the current calibration, and the Ethernet and Token Ring addresses of the Fiery ZX.
- Test Page—A Test Page enables you to confirm that the Fiery ZX is properly connected to the copier, and provides color and grayscale samples to troubleshoot problems with the copier or the Fiery ZX. The following settings are among those listed on the Test Page: Server Name, Printer Model, color settings, calibration information, date and time the Test Page was printed.
- 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 ZX, see the *Configuration Guide*.
- Font List—Prints a list of all fonts currently resident on the Fiery ZX hard disk.
- Color Chart—Prints samples of the RGB, CMY, and PANTONE colors available from the Fiery ZX.
- Job Log—Prints a log of the last 55 jobs processed or printed. For information on the fields in the Job Log and on printing it in other forms, see “Using the Job Log” on page 3-26. The Job Log is sent to the Hold queue and appears in the Spool area of the Queues window. You can use Job menu commands to manipulate the Job Log print job as you would any other job.

Server information pages printed with the Print Pages command appear in the Fiery ZX Job Log with a User Name of “Operator” even if you logged in as Administrator.

## Workflow scenarios

The workflow at your site will depend on the number and complexity of jobs and the amount of responsibility given to the operator. This section suggests some ways you might interact with a job.

**Scenario 1** At this site, the Print queue is enabled, and anyone at the Command WorkStation can view the progress of jobs. A small job is sent to a server and copier that are not busy. You watch the job progress from the top to the bottom of the Queues window.

The green light on the Fiery ZX flashes, the network icon blinks; on the Command WorkStation the Spool status bar is animated and the job title appears. As soon as spooling has finished, the Spool status bar is cleared and the RIP status bar animates. Almost immediately thereafter, the RIP status bar is cleared and the Print status bar animates. The printed job is listed below the Print status bar and the job pages emerge from the DocuColor 40. You move it to the mailbox of the person who sent the job.

**Scenario 2** At this site, all jobs come to the Hold queue and therefore require operator intervention to proceed.

Again, the green light on the Fiery ZX flashes, the network icon blinks, the Spool status bar is animated, and now in the Spool area (below the status bar) the job title comes into view. In a few moments the job is on the list, and you have time to scan the headings for the job ticket information—media type, special instructions, copies, and pages.

Are you ready for this job to print? Do other jobs have priority? What is the job for—is it final output or a test print? The first choice is whether to put the job in the print queue or hold it before processing it further. If you do nothing, the job remains in the Spool area, and the file remains on the server disk.

Perhaps this is a routine job and does not call for special handling. You right-click the job and choose Print. You notice the RIP status bar animate, and almost immediately, the Print status bar animates. The printed job is listed below the Print status bar and the job pages emerge from the DocuColor 40.

The next job is a large job that you have not seen before. The Instructions field indicates that the originator of the job wants to check one printout of the job before you print another 50 copies. You make sure the Copies field is set to 1, right-click the job, and choose Print and Hold.

The RIP status bar animates and displays the job title, and then the Print status bar and copy 1 of the job emerges from the DocuColor 40. You call the sender of the job for approval. When the job is approved, you set the number of copies to 50, right-click the job now being held in the RIP area and choose Print.

**Scenario 3** Everyone has discovered the DocuColor 40 on the network and jobs are coming in rapidly. You right-click several routine jobs in the Spool area and choose Print to let the server print them one after the other. You choose Print and Hold if you know you will be reprinting the job soon. You move jobs that have more detailed instructions (or need to be printed with similar jobs) to the Archive window (right-click Archive). You remove printed jobs from the output trays and replenish media.

While some jobs are flowing through the queues and printing, you are preparing for jobs that require more attention, such as obtaining special paper, using DocBuilder to merge two documents, or notifying the originator of a job that a PostScript error occurred.

Before you load special paper, you make sure all pending jobs are in holding areas. When an especially important job is spooled for RIPping, you right-click Process Next.

You flip back and forth between the Archive and Queues window. You use the Archive window to sort jobs into groups with similar requirements, such as media type, user name, or another setting, and print all the jobs of the same type in sequence.

## Using the copier

If you have a copier job that has priority over the spooled incoming print jobs you can temporarily close the Fiery ZX connection to the DocuColor 40 and then reopen it when you have finished copying.

When there are no active printing jobs competing for the DocuColor 40 engine (no white job lines in the Spool or RIP area), you do not need to suspend printing to make copies.

**TO GIVE THE COPIER TOP PRIORITY AND LATER RESTORE PRINTER PRIORITY:**

1. **From the Server menu, choose Suspend Printing.**

   This suspends printing temporarily. Jobs continue to spool and RIP on the server as long as disk space and RAM are available.

2. **When you have finished with the copier job, choose Resume Printing from the Server menu.**

   The printing connection between the Fiery ZX and the copier is reopened and printing resumes.

## Canceling jobs

You may need to cancel a job after it has been routed for processing or printing. You can cancel a job only while it is being RIPped or while it is being printed. You cannot cancel a waiting job (white job row) that is routed for RIPping or printing.

- Canceling jobs during processing—While a job is being RIPped, and its name appears in the RIP status bar, choose the Cancel RIPping command from the Server menu or right-click on the RIP status bar and choose Cancel RIPping.

  When the RIP job is canceled, the Canceling message appears in the RIP status bar and on the Fiery ZX Control Panel. The name of the canceled job appears in the Job Log.

- Canceling jobs during printing—While a job is printing, and its name appears in the Print status bar, choose the Cancel Printing command from the Server menu or right-click on the Print status bar and choose Cancel Printing.

  When the print job is canceled, Canceling appears in the Print status bar and on the Fiery ZX Control Panel.The name of the canceled job appears in the Job Log.

**NOTE:** Canceled jobs may be partially printed, and may include pages with one or more missing color planes, or pages that are completely blank.

- Canceling at the Control Panel—If you are at the Fiery ZX, the most direct way to cancel a job is to press the top button on the server Control Panel while you can read the name of the job that is processing or printing. For more information on the Control Panel, see Chapter 1.

# Previewing print jobs

You can use the Thumbnail A window to preview pages of the currently RIPping job. You can also use Thumbnail A, as well as Thumbnail B, to preview any raster data job in the RIP or Print areas.

The thumbnail windows also allow you to open an editable thumbnail view of a held raster job in the RIP area and perform electronic collation or document merging. This feature, called DocBuilder, is described on page 3-10.

## Previewing the currently rasterizing job

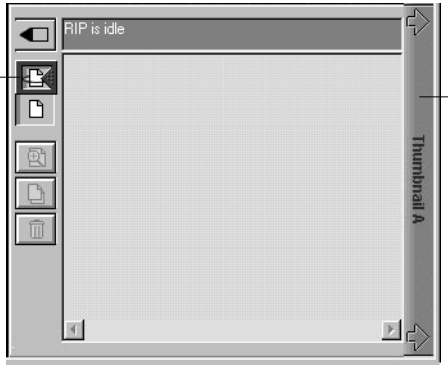
To see the progress of jobs as they are RIPped, you can leave the Thumbnail A window open in RIP preview mode.

---

**TO VIEW THUMBNAILS OF THE CURRENTLY RIPPING FILE:**

1. **Click the Thumbnail A tab at the right of the Queues window to open the slider.**
2. **Click the RIP preview icon at the left side of the window.**

   In this mode, Thumbnail A displays each page of the currently processing job after it has been RIPped.




**Click to display the currently rasterizing job**

**Click to close the thumbnail window**

3. **Choose a file in the Spool area and select RIP and Hold, Print, or Print and Hold.**

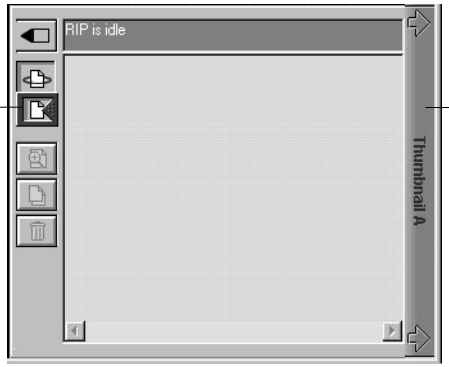
   As pages are RIPped, they are displayed in the Thumbnail A window.

4. **When you have finished viewing, click the Thumbnail A tab to close the thumbnail window.**

**TO VIEW THUMBNAILS OF ANY RASTER DATA FILE:**

1. **Select any raster data job in the RIP or Print area**
2. **Choose Thumbnail A or Thumbnail B from the Job menu.**

   If you choose Thumbnail A, make sure the raster data preview icon (at the left side of the window) is selected.




**Raster data preview icon**

**Click to close the thumbnail window**

3. **When you have finished viewing, click the Thumbnail A or Thumbnail B tab to close the thumbnail window.**

## Merging raster files with DocBuilder

The ability to work with raster files gives you new opportunities to combine documents from different sources into a single printer file. For example, you can combine full color covers and chapter head pages created in a page layout application with two-color text pages created in a document processing application. Or, you can customize a slide presentation by inserting slides from a different presentation.

You can display two raster files at once: a source file and a target file. The target file is displayed in the Thumbnail A window, the source in Thumbnail B.

**NOTE:** You cannot create a new PostScript file in this process; you must print the rasterized merged file, which has references to the original PostScript files. Before editing or merging files with DocBuilder, make sure the source files were RIPped using the print option settings you want for the final output. Raster files edited in DocBuilder cannot be reRIPped.

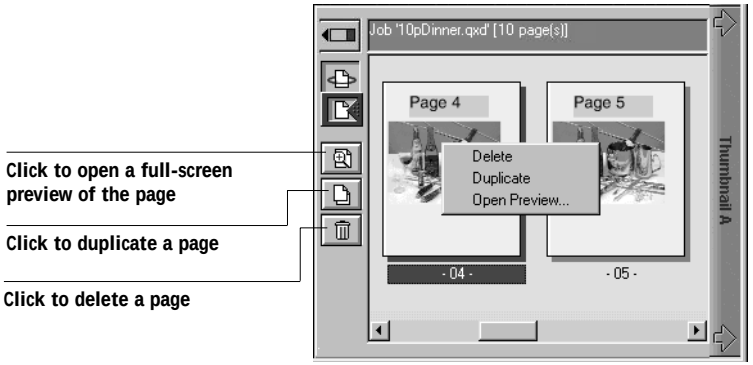
**TO VIEW AND EDIT RASTER DATA JOBS:**

1. **Select a raster data job and choose Thumbnail A from the Job menu.**

   The file must be a held raster job in the RIP area.

2. **In the Thumbnail A window, right-click a thumbnail image to see the commands available for pages in Thumbnail A.**

   These commands can also be accessed from the Page menu (see page 2-9) as well as from buttons along the left side of the Thumbnail A window (see illustration below).




   **Delete** deletes the currently selected page.

   **Duplicate** duplicates the currently selected page.

   **Open Preview** opens a full-screen preview of the currently selected page (see "Full-screen previews" on page 2-38).

   **Undo** undoes the previous DocBuilder command—this command is available *only from the Page menu*.

3. **When you are finished editing, click the Thumbnail A tab.**

   If you have edited the job, you are prompted to save the job (click Yes) and enter a new name.

4. **Enter a new name and click OK.**

   The new raster file is now in the RIP area, ready to print. If you saved the edited file with a new name, the original source file remains held in the RIP area.

**TO MERGE TWO RASTER DATA JOBS:**

1. **In the Thumbnail A window, display the document you wish to edit.**

   The file must be a held raster job in the RIP area.

2. **Right-click another source document file (a held job with a raster icon) and select Thumbnail B.**

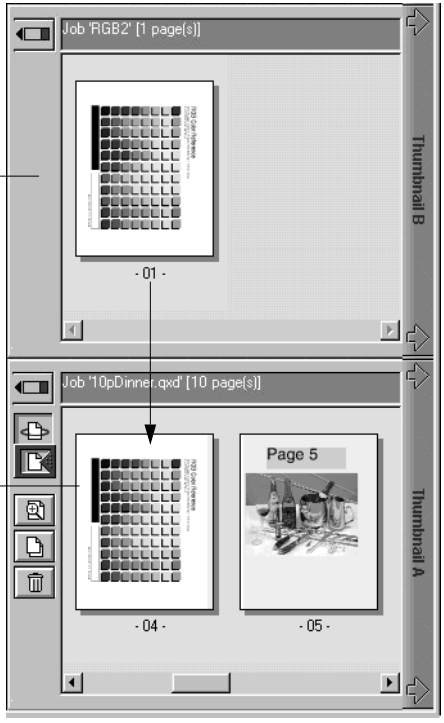
   The Thumbnail B tab opens a second thumbnail view which cannot be edited but can be a source for pages added to the document in Thumbnail A.

   **NOTE:** To merge documents, *the page sizes of the source document and the target document must be the same*.

3. **In the Thumbnail B window, click once on a page or a range of pages to select it; then release the mouse button and click and drag to paste it in a different location.**

   Drag the single-page or multi-page icon to the new location in the Thumbnail A pages. Drag a Thumbnail B page over a page in Thumbnail A to replace the page, or drag the icon to a new position between pages or before or after a page in Thumbnail A.

   Page insertion icons:




**Thumbnail B**

**Page 4 copied from the document in Thumbnail B**

You can use Ctrl-click to select multiple, non-sequential pages in Thumbnail B.

Multiple undos are available; use Ctrl-Z or the Undo command (from the Page menu) to undo all the way back to your first edit. There is no Redo function.

4. **To close the Thumbnail view, click once on the same tab you used to open it (Thumbnail A or Thumbnail B tab).**

5. **If you have edited Thumbnail A, you are prompted to save the job (click Yes) and enter a new name. Enter a new name and click OK.**

   The new raster file is now in the RIP area, ready to print, together with the original source and target files.

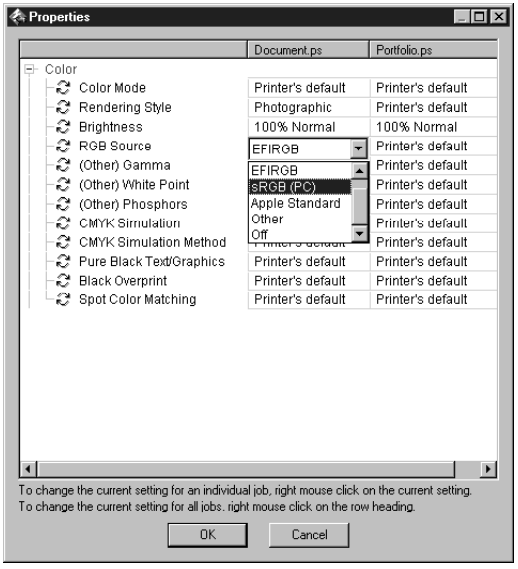
## Viewing and overriding print settings

When logged in as Operator or Administrator at the Command WorkStation, you can view and override user job settings for any job in the Queues window and view job settings for jobs in the Archive and FreeForm windows. Using the Properties dialog box, you can view and override job settings for a single job or for multiple jobs at once. When viewing multiple jobs, you can override settings for each job independently or override a setting for all the jobs at once.

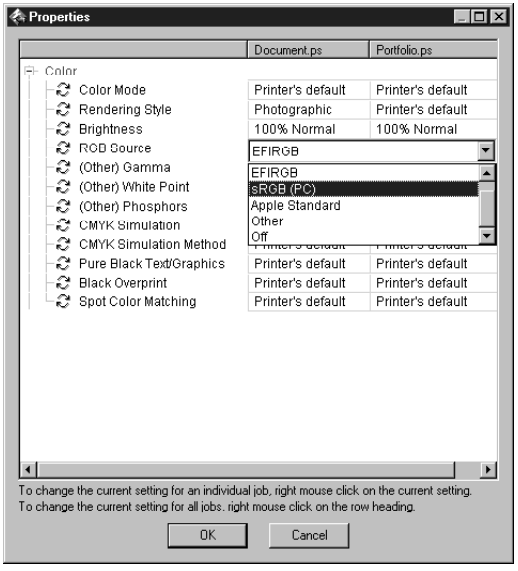
- To view the properties for a single job, double-click the job line or select the job and choose Properties from the Job menu or right mouse menu.
- To view the properties for multiple jobs at once, shift-click to select contiguous jobs, or Ctrl-click to select non-contiguous jobs, and choose Properties from the Job menu or right mouse menu.

**NOTE:** If you want to retain a copy of the job with its original settings, duplicate the job and rename the duplicate before you change any settings (see “Job commands” on page 2-23).

To override a setting for a single job, right click on the current setting and choose the override setting from the pop-up list.



To override settings for all jobs listed in the Properties dialog box, right click on the name of the print option (the row header) at the left of the dialog box and choose the override setting from the pop-up list.




The Properties dialog box displays all the job settings encoded by the PostScript printer driver that can be decoded by the Fiery ZX. If you (as operator) have not changed anything, these are the settings a user entered before sending the job. There are two exceptions to this: Page Range and Scale.

When the Properties dialog box opens, the page range is always shown as All pages and the scale is always shown as 100%. All pages denotes all the pages specified by the user in printing the job; it may not include all the pages in the original document on the user's disk. Similarly, 100% scale indicates 100% of the magnification specified by the user.

The Properties dialog box does display all the remaining user settings, including user Instructions and Notes fields.

- Instructions fields are intended to be viewed and annotated by the operator, but their contents are associated with the job and are deleted when the job is deleted after printing.
- Notes fields can be viewed but cannot be changed by the operator; their contents are transcribed to the Job Log just as the user sent them.

For information on print option settings, see the *Printing Guide*.

## Printing variable data documents (FreeForm)

The ability to override job settings is especially important for variable data printing with FreeForm. As described on page 2-30, the Fiery ZX can store up to one hundred FreeForm masters; however, users are limited to a range of 1 to 15 as values they can specify for the Create Master and Use Master print options. In order to make use of all one hundred available FreeForm master slots, the operator must override the Create Master and Use Master job settings from the Command WorkStation.

---

**TO PRINT A VARIABLE DATA DOCUMENT:**

1. **Right-click to select the job comprising the variable elements of the document and choose Properties.**

   See page 3-14 for details.

2. **Scroll to find the FreeForm section in the Properties dialog box and right-click the Use Master print option.**

3. **Choose the number of the FreeForm master job that you want to use as the master document.**

   See page 2-30 for information on FreeForm masters.

4. **Click OK.**

5. **Assign the job a destination of RIP and Hold, Print, or Print and Hold.**

   Particularly with a variable data job, you may want to RIP and Hold the job so that you can preview it before printing.

## Downloading files and fonts

From the Command WorkStation you can download a variety of file types, as well as fonts, to the Fiery ZX. These files and fonts can be located anywhere on the network or on an external device connected to the Command WorkStation computer. You browse to locate the files and fonts, select them, and add them to a list of items to be downloaded. You can specify a limited number of print option settings for files that you download (see page 3-19).

To download fonts, the Direct connection must be used. If the Direct connection is not currently enabled in Setup, see the *Configuration Guide* for instructions on how to enable it.

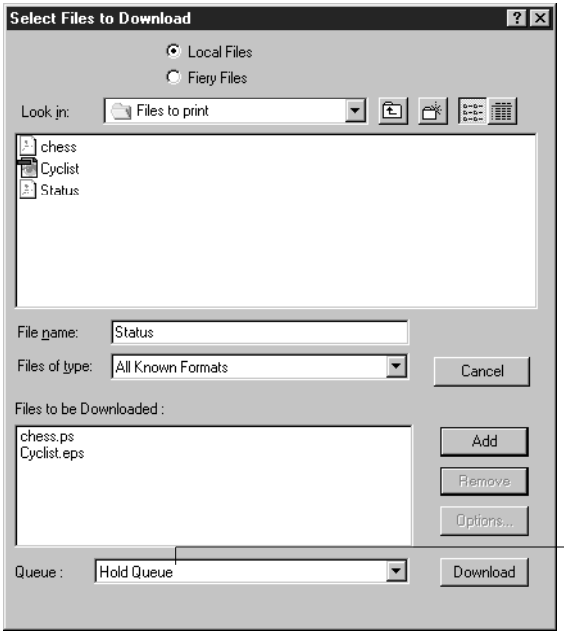
You cannot download TrueType fonts. If you are using TrueType fonts in Windows, you can print them by converting them to Adobe Type 1 fonts. To do this with the Adobe PostScript printer driver, click the Fonts tab and set up the Font Substitution Table as necessary. To do this with the Windows 3.1x printer driver, select the "Send to Printer as Adobe Type 1" command in the Advanced Options dialog box.

The Manage Fonts command provides another way to download fonts to the Fiery ZX (see page 3-20).

**TO DOWNLOAD FILES OR FONTS:**

1. **Choose Download from the Job menu, or right click on the Spool status bar and select Download.**

   The Fiery Downloader opens.




2. **Select Local Files or Fiery Files to indicate the physical volume on which the files reside.**

   Select **Local Files** to browse for files on the Command WorkStation computer or on the network. Select **Fiery File**s to browse for files on the Fiery ZX internal CD-ROM or ZIP drive, or on external SCSI devices attached to the Fiery ZX.

3. **Choose the file types to display in the Files of type menu.**

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

   You can download files and fonts in the same batch; however, fonts should be downloaded first if they are needed for subsequent files.

4. **Choose the Queue to which you will download the files.**

   The options available in this menu depend on the print connections currently enabled in Setup. The potential choices are the **Print** queue, **Hold** queue, or **Direct** connection. If your administrator has not enabled one or more of these connections, you cannot choose it.

   To download fonts, you must use the **Direct** connection.

   The Direct connection cannot be used with Fiery Files; consequently, fonts cannot be downloaded from Fiery Files.

   PDF files are always spooled to the Fiery ZX hard disk before being printed. PDF files must be sent to the Print queue (or to the Hold queue if the Print queue is not enabled). Do not use the Direct connection to download PDF files.

5. **Select the filename and click Add.**

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

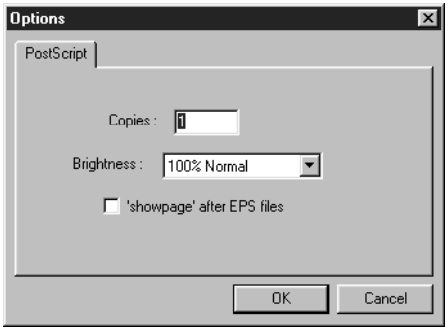
   You can navigate to different drives and directories to select files and fonts to download.

   To select multiple sequential files, select the first file and then Shift-click the last file. Ctrl-click to select multiple non-sequential files.

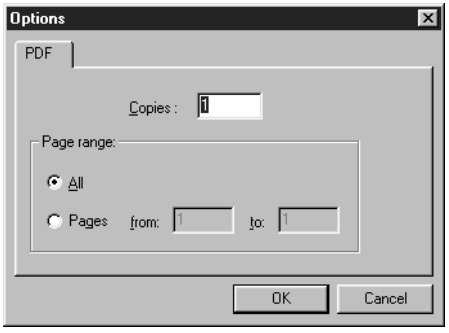
   If you change your mind about a file, select the filename in the **Files to be Downloaded** list and click **Remove**.

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

   The Options dialog box for PostScript and EPS files is different from that for PDF files, as explained below.




**PostScript options**




**PDF options**

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

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

   **Copies**—Specify the number of copies.

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

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

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

   If you experience problems downloading EPS files, you can print the file directly from the application in which you created it.

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

8. **Click Download.**

   To cancel downloading, click Cancel.

## Managing server fonts

The Fiery ZX-40 Color Server includes a number of built-in printer fonts. You can download additional fonts to the Fiery ZX using the Manage Fonts command (see below) or the Download command (see page 3-17). Users on the network can also download fonts to the server using the Fiery Downloader (see the *Printing Guide*). Downloading fonts, either from the Command WorkStation or with the Fiery Downloader, requires that the Direct connection is enabled in Setup (see the *Configuration Guide*).

**NOTE:** The Manage Fonts command is available only if you logged in as Administrator.

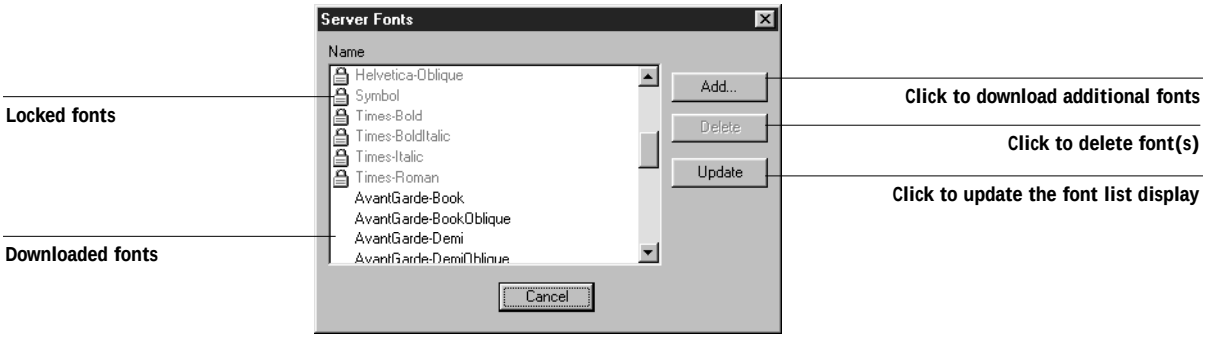
Although no special privileges are necessary to download fonts, Administrator privileges are required to remove fonts from the server. The built-in printer fonts are locked and cannot be removed by anyone.

To print a list of fonts currently resident on the Fiery ZX, use the Print Pages command (see page 3-5).

---

**TO ADD OR DELETE FONTS:**

1. **Choose Manage Fonts from the Server menu.**




2. **The Server Fonts window displays Add, Delete, and Update buttons.**

   To download additional fonts to the Fiery ZX, click Add and refer to the instructions on page 3-17.

   To delete a font, select it in the font list and click Delete. Shift-click or Ctrl-click to select multiple fonts.

   **NOTE:** The printer fonts included with the Fiery ZX (built-in fonts) are locked. These fonts appear with a lock icon next to the name and cannot be deleted.

   To refresh the font list display, click Update.

## Managing jobs with multiple color servers

You can connect to up to five Fiery ZX color servers simultaneously from the Command WorkStation. This allows you to view and manage jobs being processed by multiple servers from a single location, and also to balance the job load between servers of similar capabilities.

- If you connect to multiple servers from the Command WorkStation, you can easily switch between them by clicking the server selection tabs (see page 2-12).
- With Fiery ZX color servers that support the feature, you can use the Send to <Server> command to transfer jobs between color servers (see page 2-24).

---

**TO VIEW AND MANAGE JOBS ON MORE THAN ONE COLOR SERVER:**

1. **Configure the connection to the first server and log in.**

   See *Getting Started* for information on configuring the connection to the server.

2. **Click a blank server selection tab.**

3. **Configure the connection to the next server and log in.**

   The Command WorkStation windows show the job lists for the additional server. You can route and manage the jobs processed by this server as long as you are logged in.

4. **To switch servers, simply click the other server selection tab.**

   Once you have logged in, you do not need to log in again unless you have logged out.

   If the servers are extremely busy with continuous jobs, you may see some delay in updating the Command WorkStation window when you switch between servers. Job lists may be blank for some seconds until updating is complete.

---

**TO TRANSFER JOBS BETWEEN COLOR SERVERS:**

1. **Log in to more than one color server, as described above.**

   To transfer jobs between color servers, both color servers must support the Send to <Server> command.

2. **In the Queues window of the source color server, select the job(s) you want to transfer.**

   You can select any *held* jobs in the Spool or RIP areas.

3. **Choose the Send to <Server> command from the Job menu.**

   The actual command contains the name of the other color server currently connected to the Command WorkStation; for example, Send to Astro_DocuColor. If two or more additional color servers (in addition to the originating server) are connected to the Command WorkStation, multiple Send to <Server> commands appear in the Job menu.

   Jobs are transferred from the source server to the same area on the target server (from Spool to Spool, from RIP to RIP).

   **NOTE:** You cannot perform any other Command WorkStation functions while files are being transferred between servers.

4. **After verifying that the jobs were successfully transferred, you can delete them from the originating server, if you wish.**

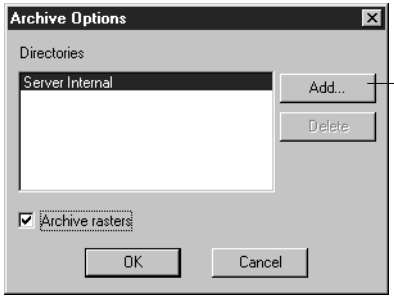
## Archiving jobs

PostScript and raster data jobs can be archived internally to the Fiery ZX hard disk or externally to the Command WorkStation hard disk or network drives.

---

**TO ARCHIVE A POSTSCRIPT OR RASTER JOB:**

1. **In the Queues window, select any held job in the Spool or RIP areas.**
2. **Choose Archive from the Job menu.**




3. **In the Archive Options dialog box, turn on the Archive rasters option, if you wish.**

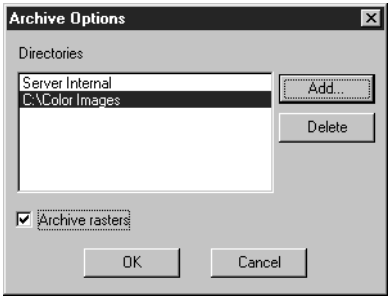
   Raster data files may be large and therefore may take considerable time to archive. To save time and disk space, archive only PostScript data.

This option is dimmed for PostScript data jobs.

4. **To archive the job(s) internally (to the server's internal hard disk), click OK. To archive the job(s) externally, to the Command WorkStation hard disk or to a device on the network, click Add.**


5. **Browse to select the device and folder to which you want to archive the job(s) and then click OK.**

The Archive Options dialog box shows the external device as an available archive volume.




6. **Select an archive volume and click OK.**

To retrieve jobs archived to external devices, use the Import command.

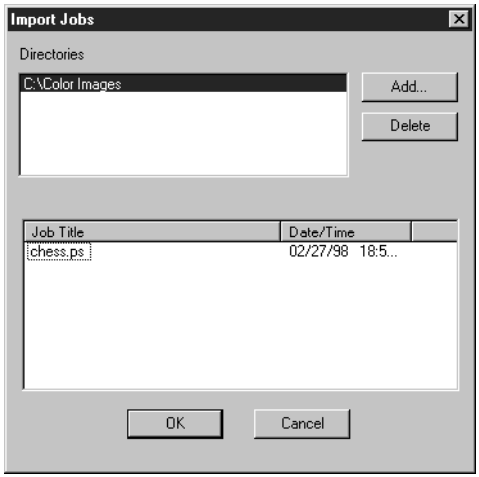
## Importing archived jobs from external media

You can use the Import command to find and retrieve jobs previously archived to external devices. This command can be used to retrieve files archived from the current Fiery ZX or from another Fiery ZX that supports external archiving.

---

**TO IMPORT AN ARCHIVED JOB FROM AN EXTERNAL DEVICE:**

1. **Choose Import from the Job menu in the Queues window.**




2. **In the Import Jobs dialog box, select the device containing the job(s) you want to import.**

3. **Click OK.**

   The job is imported to the same area in the Queues window (Spool or RIP) from which it was archived.

## Using the Job Log

Chapter 2 introduced the Job Log, which is the list of all processed and printed jobs, including the date and time they were printed, and all the characteristics of the job. It explained that the Administrator can set Job Log preferences for clearing and printing the Job Log automatically, and for Job Log page size (page 2-32).

After displaying the Job Log you can print it (using either the Print icon or the Print Pages command), or export it to a tab-delimited file. The exported Job Log file can be imported into a spreadsheet, database, or word processing application for job accounting purposes. If only a portion of the Job Log is displayed (such as jobs for the current day), only that portion of the Job Log is printed or exported.

**NOTE:** When you print the Job Log, the print job is sent to the Hold queue and appears in the Spool area of the Queues window with the job title "Job Log" and the user name "Operator" (even if you logged in as Administrator). You can then use Job menu commands to manipulate the Job Log print job as you would any other job.

After printing or exporting the entire Job Log, you may want to clear it; you clear the Job Log by clicking the Delete (trash can) icon.

Icons appear above the Job Log. The icons are:

| | | |
|---|---|---|
|  | Update | Click to update the information in the Job Log window |
|  | Print | Click to print the currently displayed portion of the Job Log to the Hold queue |
|  | Export | Click to export the currently displayed portion of the Job Log to a tab-delimited file |
|  | Delete | Click to delete the Job Log (you will be asked for confirmation) |
|  | Calendar | Click to display a calendar and specify a date range. |


| Status | Document | User | Date | Start Time | End Time | Process Time | Size | Device |
|---|---|---|---|---|---|---|---|---|
| OK | cmykramp.ps | lwang | 02/26/80 | 15:44:15 | 15:44:19 | 00:00:02 | 652.87 KB | Unknown |
| OK | KingTut.ps | lwang | 02/26/80 | 16:17:13 | 16:17:20 | 00:00:05 | 404.68 KB | Unknown |
| OK | KingTut.ps | lwang | 02/26/80 | 16:59:48 | 16:59:55 | 00:00:05 | 404.68 KB | Unknown |
| OK | cmykramp.ps | lwang | 02/27/98 | 10:19:34 | 10:19:38 | 00:00:02 | 652.87 KB | Unknown |
| Error | chess.ps | Barbara | 02/27/98 | 17:10:30 | 17:10:31 | 00:00:01 | 3.14 KB | Unknown |
| OK | chess.ps | Barbara | 02/27/98 | 17:11:06 | 17:11:07 | 00:00:01 | 3.14 KB | Unknown |
| OK | chess.ps | Barbara | 02/27/98 | 17:11:27 | 17:11:28 | 00:00:01 | 3.14 KB | Unknown |
| OK | Cyclist.eps | Barbara | 02/27/98 | 17:12:06 | 17:12:07 | 00:00:01 | 24.08 KB | Unknown |
| OK | chess.ps | Barbara | 02/27/98 | 17:16:01 | 17:16:02 | 00:00:01 | 3.14 KB | Unknown |
| OK | checkers.ps | Barbara | 03/01/98 | 13:37:03 | 13:37:06 | 00:00:03 | 3.46 KB | Unknown |

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

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

| | |
|---|---|
| OK | The job was printed normally. |
| Cancel | The job was canceled before printing was completed. |
| Error | An error occurred during processing or printing. |

The information in the Notes 1 and Notes 2 fields is displayed if users entered this information when they printed.

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

## Server management commands

The following Server menu commands are used to manage server performance, configuration, and status. Some of these commands are available only when logged in as Administrator.

- **Calibrate**—Opens the Fiery Print Calibrator (see Chapter 6 and Chapter 7)
- **Reboot**—Causes the Fiery ZX to be rebooted, just as if you had selected Reboot Server from the Control Panel (see page 1-5)
- **Clear**—Clears all jobs in all server queues as well as all jobs archived on the Fiery ZX hard disk, the index of archived jobs (in the Archive window), all FreeForm masters, the index of FreeForm masters (in the FreeForm windows), and the Job Log.
- **Setup**—Invokes Fiery Setup (see the *Configuration Guide*)
- **Manage Fonts**—Allows you to delete fonts from, as well as add fonts to, the Fiery ZX (see page 3-20)

# Chapter 4: Overview of Fiery WebTools

This chapter introduces Fiery WebTools and provides instructions on their usage. For more information on certain Fiery WebTools you are referred to other chapters in this book and to other manuals in the documentation set.

## Fiery WebTools

Fiery WebTools reside on the Fiery ZX but can be accessed over the network from a variety of platforms. The Fiery ZX has a home page that lets remote users view server functions and manipulate jobs.

Fiery WebTools can be used on Windows 95, Windows NT 4.0, and Mac OS client computers with certain Internet browsers that support the Java language. For specific information on the browsers supported with Fiery WebTools, see *Getting Started*.

### Access privileges

The Fiery ZX system allows the site administrator to choose and implement a level of access and control appropriate for your particular site. There is a spectrum of control which can be implemented; the levels of access allowed to remote users depend on whether the administrator has enabled use of the Fiery WebTools, and whether or not a password is required to use the job management features of the Fiery WebTools.

If you have been given the Operator password, you can manage job flow and override print settings of your jobs with the Fiery WebSpooler. If not, you can still track the status of your jobs with the Status tool, and with the Fiery WebSpooler as a Guest. Check with your site administrator for information on your Fiery WebTools access privileges.

## Using Fiery WebTools

Fiery WebTools are accessed from the Fiery ZX home page.

| WebTool: | Summary: | For more information: |
|---|---|---|
| Status | Shows you the jobs currently processing and printing. | See the *Printing Guide* |
| WebSpooler | Allows you to view, manipulate, reorder, reprint, and delete jobs currently spooling, processing, or printing on the Fiery ZX. It also allows you to view, print, and delete the Job Log. | See "Tracking and managing jobs with the Fiery WebSpooler" on page 5-1 |
| WebLink | Provides a link to another web page, provided you have a valid Internet connection. The WebLink destination is initially set to www.efi.com/weblink/xerox. From this page, you can link to either the Xerox home page or the Electronics for Imaging home page (www.efi.com). The WebLink destination can be changed; this function requires the Administrator password, if one has been set. | See the *Printing Guide* and the *Configuration Guide* |
| Installer | Allows you to download Fiery ZX printer file installers directly from the server. | See *Getting Started* |

### TO ACCESS FIERY WEBTOOLS:

1. **Start up your Internet browser application.**
2. **Enter the IP address or the DNS name of the Fiery ZX.**

   Check with the operator or administrator for this information.

   The Fiery ZX home page appears.


3. **Click one of the buttons at the left to select one of the Fiery WebTools.**

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

# Chapter 5: Fiery WebSpooler

The Fiery WebSpooler duplicates many of the functions and features of the Command WorkStation. It provides additional flexibility by allowing job tracking and management from multiple platforms over the Internet or an intranet.

## Tracking and managing jobs with the Fiery WebSpooler

You can use the Fiery WebSpooler to perform the following functions from your workstation:

- Override current job option settings
- Delete jobs and cancel processing
- Duplicate or rename jobs
- RIP a job and hold the raster data
- Hold jobs in the spooled area or the RIPped area
- Remove raster data from RIPped files
- Change the priority of jobs
- Edit and merge raster data jobs (DocBuilder)
- Display, print, or delete the Job Log

Most of these functions require the Administrator or Operator password. However, even without a password, you can log in to the Fiery WebSpooler as Guest with view-only privileges.

**NOTE:** Most Fiery WebSpooler commands function identically to those of the Command WorkStation. For more information on specific commands, see Chapters 2 and 3.

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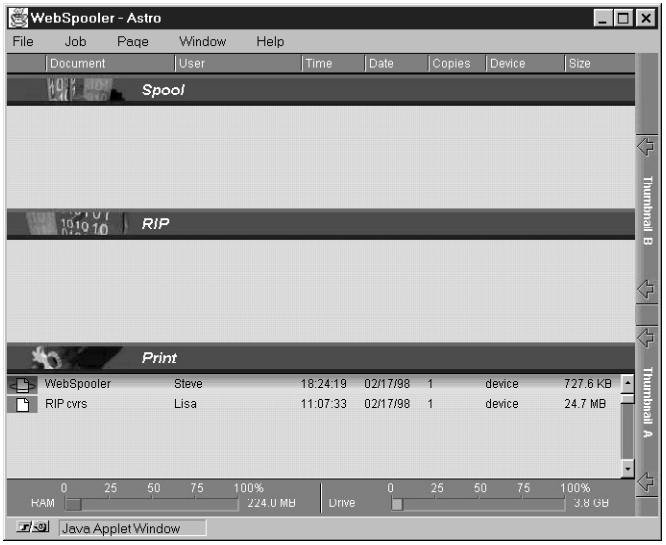
**TO ACCESS THE FIERY WEBSPOOLER WINDOW:**

1. **From the Fiery ZX home page window, click WebSpooler.**

   For instructions on how to access the Fiery ZX home page window, see page 4-3.

2. **To log in as Administrator, enter the Administrator password and click OK.**
   **To log in as Operator, enter the Operator password and click OK.**
   **To log in as Guest, click OK, without entering any password.**

   The Fiery WebSpooler window appears in a new browser window.




## About the Fiery WebSpooler window

Like the Command WorkStation, the Fiery WebSpooler is a window to view Fiery ZX and copier functions, and an interface from which you can control those functions.

The Fiery WebSpooler window is divided into three areas by Spool, RIP, and Print status bars. When the Fiery ZX receives print jobs, the Fiery WebSpooler window becomes a dynamic display, filled with the names of jobs and their characteristics.

The Spool, RIP, and Print areas of the Fiery WebSpooler window represent the stages of printing a job. Jobs come in at the top level (Spool) and drop down to the Print level, unless they are held along the way.

The job icons displayed in the Fiery WebSpooler window are explained in “Job icons” on page 2-19.

**NOTE:** In Fiery WebSpooler, the “PS” characters do not appear inside yellow PS icons (in the Spool area) and white PS icons (in the Print area).

**Spooled jobs**—Jobs listed in the area below the Spool status bar are stored on the Fiery ZX disk. Jobs can be routed to this area for holding; held jobs are in PostScript form and are listed on a yellow background.

**RIPped jobs**—Jobs listed in the area below the RIP status bar are ready to print. They have already been rasterized (RIPped, or processed for printing) and are waiting, in order, for access to the printer. Rasterized jobs can also be held; held jobs are listed on a yellow background.

**Printed jobs**—Jobs listed in the area below the Print status bar have already been printed. Printed jobs can be stored on the Fiery ZX disk. The number of jobs that can be stored (from 1 to 99) is defined in Setup.

If you are logged in as Administrator or Operator, you can interact with a job wherever it appears in the window by selecting it and choosing a command from the Job menu, or by double-clicking the job and setting override options. See “Manipulating job options and job flow” on page 5-4 for information.

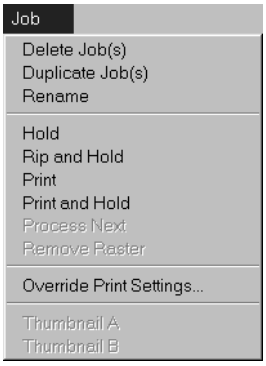
**Errors**—Jobs with an error are shown in red. To display the error, double-click the job line.

**NOTE:** If your job does not appear anywhere in the Fiery WebSpooler window, it may have already been printed; if so, it will appear in the Job Log. To view the Job Log, choose Show Job Log from the Window menu. (For more information on the Job Log, see page 5-7.)

If the job does not appear in the Job Log, it may have been moved to the Archive window by the operator. The Archive window cannot be viewed with the Fiery WebSpooler; you must contact the operator or look at the Command WorkStation display to check this.

## Manipulating job options and job flow

Using the commands in the Job menu, you can alter the destinations, priorities and other characteristics of jobs that appear in the Fiery WebSpooler window.



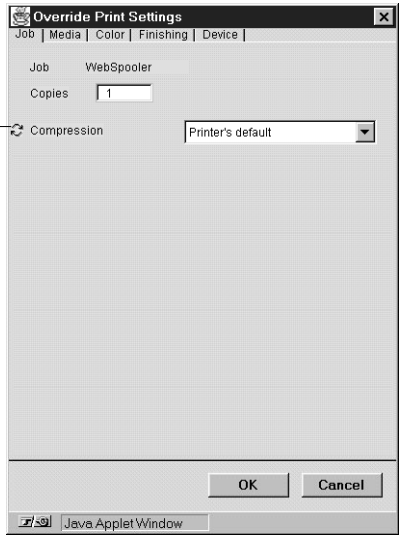

To understand the effect each of these commands has on a job, you need to understand the way the Fiery ZX handles PostScript and raster data, and how jobs are activated or held in the various stages of processing. See Chapter 2 for this background information before manipulating jobs with the Fiery WebSpooler. Also, the commands in the Fiery WebSpooler Job menu have identical counterparts on the Command WorkStation. For background and information about these commands, see Chapters 2 and 3.

| Choose this command from the Job menu: | To do this: | Raster data is: |
|---|---|---|
| Delete Job(s) | Delete the job(s) from the list | Deleted |
| Duplicate Job(s) | Duplicate one or more selected PostScript data jobs in the Spool or Print areas (creates a reference to the original job, with the same name) | n/a<br>(The Duplicate command is not available for raster jobs) |
| Rename | Rename the job (PostScript file with or without raster) | Unaffected |
| Hold | Hold the job in the current place (except for a printed job, which is moved to the Spooled or RIPped area) | Held in RIPped area indefinitely, if included with job |

| Choose this command from the Job menu: | To do this: | Raster data is: |
|---|---|---|
| RIP and Hold | RIP the job and hold it in the RIPped area | Held in RIPped area indefinitely |
| Print | Print the job in its turn (RIP it first if it does not have raster data). Keep the printed job in the Printed area until the job limit is reached | Temporarily held in RAM until memory is needed for another job |
| Print and Hold (like the PPD option Save Fast Reprint) | Print the job in its turn (RIP it first if it does not have raster data)<br>After printing, hold the PostScript data and the raster in the RIPped area | Held in the RIPped area indefinitely (saved to disk) |
| Process Next | Give top priority to this job<br>Print the job (or RIP and print) as soon as the processor and copier are free, before other waiting jobs | Held in RAM after printing (can be selected in the Printed area while it remains there), or,<br>Held in RIPped area (saved to disk) if destination was RIP and Hold |
| Remove Raster | Remove the raster from a job that has raster data; leave the PostScript job in place | Deleted |
| Override Print Settings | Change the print options for the job<br>(see page 5-6) | Deleted and regenerated, if the newly selected options require reRIPping, or reprinted with the new settings, if none require reRIPping |
| Thumbnail A | Open the selected *held* raster data job in the Thumbnail A window where you can view a full-screen preview of the job, edit the job, or merge it with raster data from other jobs | Saved, and may be changed if job is edited |
| Thumbnail B | Open the selected raster data job (not necessarily a held job) in the Thumbnail B window for viewing or for merging into a job in the Thumbnail A window | Unchanged |

## Overriding job option settings

To change the job options of a job, double-click the job line or select the job and choose Override Print Settings from the Job menu. Scroll down to see all the various job options.




**Indicates reRIPping is required**

The options you set here are the same ones you set from the Print dialog box when you print from an application. For information about setting and overriding these print options, see the *Printing Guide*.

**NOTE:** For some options, changing the setting requires that the job be reRIPped; these options show an icon to the left of the option name.

## Thumbnails and full-screen previews (DocBuilder)

Like the Command WorkStation, the Fiery WebSpooler includes a powerful DocBuilder tool that allows you to preview and edit raster data. DocBuilder consists of two thumbnail windows and several page-manipulation commands (listed in the Page menu). The DocBuilder tool can be used in the following ways:

- In the Thumbnail A window, you can see thumbnails of the currently printing job, as it is processed, or of any raster data job.
- From the Thumbnail A window you can open a full-screen preview of a raster file.
- Using the Thumbnail A and Thumbnail B windows together, you can merge raster data from more than one file, even if the files were printed from different applications on different computer platforms.

DocBuilder's merge features eliminate the limitations of particular software applications. You can merge raster pages of documents of different types, and even different computer operating systems. You can merge color pages from graphics programs with text pages from a word processor.

The DocBuilder tool in the Fiery WebSpooler functions identically to that in the Command WorkStation. For information on using DocBuilder, see Chapters 2 and 3.

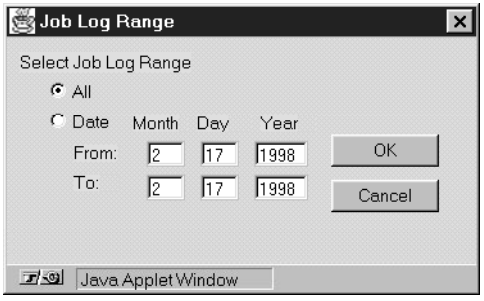
## Using the Job Log

From the Fiery WebSpooler, you can view and print a log of all jobs printed by the Fiery ZX, including jobs downloaded with the Fiery Downloader.

**NOTE:** If you logged in as Administrator, you can delete the Job Log from the Fiery WebSpooler (see page 5-9).

## TO DISPLAY, UPDATE, PRINT, DELETE, AND SAVE THE JOB LOG:

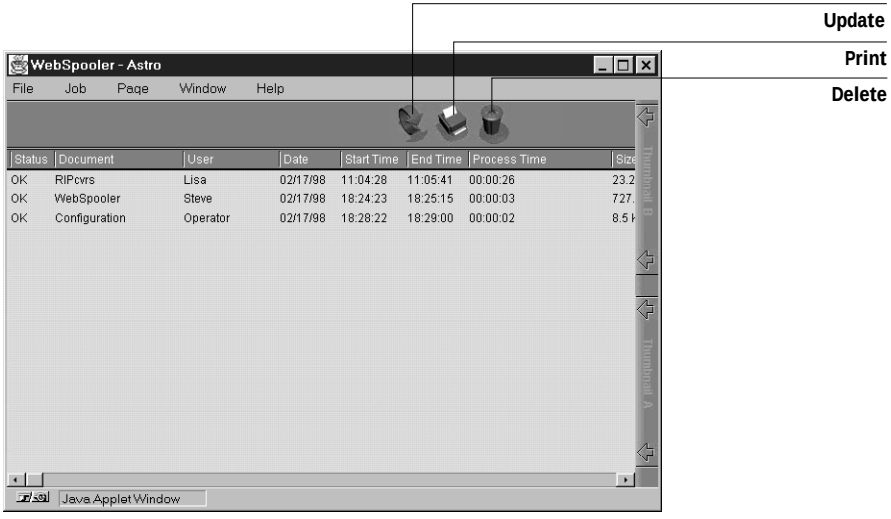
1. **Choose Show Job Log from the Fiery WebSpooler Window menu.**
2. **Click All or specify a date range.**




3. **Click OK.**

   The Job Log appears in a new browser window.

   **NOTE:** The Delete button appears only if you logged in as Administrator.



The Job Log displays each job and the following information: status, document name, user name, date, start time, end time, process time, file size, device, paper size, media, number of originals, number of color pages, number of black-and-white pages, total number of pages, Note1, and Note2.

The Status column provides the following information about jobs:

| | |
|---|---|
| OK | The job was printed normally. |
| ERROR | An error occurred during processing or printing. |
| CANCEL | The job was canceled before printing was completed. |

4. **To update the Job Log, click the Update button.**

5. **To print the Job Log, choose Print Job Log from the File menu or click the Print button.**

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

6. **If you logged in as Administrator, you can choose Delete Job Log from the File menu or click the Delete button to clear the Job Log.**

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

# Chapter 6: Color Calibration

Calibrating the Fiery ZX ensures consistent, reliable color output. You can calibrate the Fiery ZX from the Command WorkStation with the Fiery Print Calibrator and an X-Rite DTP32 automatic scanning densitometer. By connecting the densitometer to the serial port on the Command WorkStation computer, you can quickly measure color patches and download measurements to the Fiery ZX.

This chapter describes the purpose of calibration and provides instructions for all calibration procedures.

For information on advanced calibration and simulation features available with the Fiery Print Calibrator, such as editing targets and creating custom targets, see Chapter 7.

## Introduction

A calibration is generated from two components that originate separately: *measurements* and a *target*.

- Measurements represent the actual color behavior of the DocuColor 40; they are computed from densitometer readings.
- Targets represent the goal of printing, such as obtaining pleasing color from the DocuColor 40 or simulating another print device. A DocuColor 40-specific target is provided with the Fiery ZX.

Calibration generates curves describing the various color densities based on the target and the measurements that you provide from a densitometer.

Once you have calibrated the Fiery ZX with the Fiery Print Calibrator, a calibration is stored on the Fiery ZX; this calibration will be referred to as the *resident calibration*. The resident calibration is applied to *all* print jobs unless bypassing of calibration is specified by setting the CMYK Simulation option to Match Copy (see the *Printing Guide*).

**NOTE:** Changing the resident calibration has the potential to affect *all* jobs for *all* users, so you may want to limit the number of people authorized to perform calibration. Administrator and Operator passwords can be set in Setup from the Command WorkStation to control access to calibration with the Fiery Print Calibrator.

## Understanding calibration

The Fiery ZX allows you the flexibility to choose a standard calibration or a custom calibration. A standard calibration uses one of the targets provided with the Fiery ZX (DocuColor 40 or Linear) with a new set of measurements.

Calibration allows you to:

- Maximize the color reproduction capabilities of the Fiery ZX
- Ensure consistent color quality across time
- Produce consistent output across Fiery ZX servers of the same engine
- Achieve better color matches when reproducing spot colors, such as PANTONE colors or other named color systems
- Optimize the Fiery ZX for using ColorWise Color Rendering Dictionaries (CRDs) and CMYK simulations, and for using ICC-compatible profiles when printing RGB color data (see the *Color Guide*)
- Linearize the Fiery ZX while maintaining the currently available density range

Chapter 7 discusses advanced calibration techniques, including how to:

- Use the Fiery ZX as a proofing system by printing press simulations
- Create custom calibration and simulation targets

## 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. By carefully regulating toner densities, you can obtain consistent printed color.

Even with a calibrated system, toner density is affected by such variables as room humidity and service settings; it also tends to drift over time. Regular measurement detects day-to-day variations in densities, and calibration corrects for them.

Calibration works by creating calibration curves on the Fiery ZX that compensate for the difference between actual and desired density values.

Calibration curves and target curves are the graphic equivalent of **transfer functions**, which are mathematical descriptions of changes that will be made to the data you start with. Transfer functions are often graphed as Input/Output curves.

Target curves (targets, for short) result from applying one or more transfer functions in sequence. The server generates calibration curves after comparing measured values to the final target values for each of the four toner colors.

### Measurements

Measurements files contain numerical values that correspond to the toner density produced by the DocuColor 40 when it prints solid cyan, magenta, yellow, and black, and graduated tints of those colors.

To create a measurements file, you first print a page of color patches from the Fiery Print Calibrator to the DocuColor 40. Then you measure the patches, by using an X-Rite DTP32 densitometer connected to the Command WorkStation. The new measurements are automatically downloaded to the Fiery ZX.

You can print a calibration Comparison Page showing the result of using the new measurements with any of the current targets. When you are satisfied with a particular combination of measurements and target, you apply the calibration to the Fiery ZX; this becomes the new resident calibration.

**NOTE:** You might also be able to create measurements with a different brand Status T densitometer if the densitometer manufacturer provides utility software to create a measurements file.

### Targets

Target files define desired calibration results. Two target files are provided with the Fiery ZX. You can create additional ones by modifying existing targets with the Fiery Print Calibrator. When you calibrate the Fiery ZX, you can select the target file that corresponds to the typical printing goals at your site. This becomes the resident calibration target that is used by default.

The calibration targets provided with the Fiery ZX are:

- **DocuColor**—Optimized for best results with the DocuColor 40.
- **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 DocuColor 40's density range. When you linearize the printer, 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.

You can store targets on the Command WorkStation computer, on another connected disk, or on the Fiery ZX disk (or all three).

## Scheduling calibration

In general, you should calibrate the Fiery ZX at least once a day, depending on the volume of print jobs. If it is very important to maintain consistent colors, or if the DocuColor 40 is subject to wide fluctuations in temperature or humidity, calibrate every few hours. Calibrate when you change paper stock. In general, to get the best performance from the DocuColor 40, 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 the Fiery ZX system after DocuColor 40 maintenance. However, because the DocuColor 40 may be less stable immediately after maintenance, wait until you have printed approximately 50 pages before you calibrate.

**NOTE:** Output from the DocuColor 40 is very sensitive to changes in temperature and humidity. To minimize these effects, the DocuColor 40 should not be installed near a window or in direct sunlight, or near a heater or air conditioner. Paper is sensitive to climate changes as well, and should be stored in a cool, stable environment.

The DocuColor 40 allows you to adjust printed color from its touch panel display. You can typically increase or decrease toner density for one or all toner colors. These control panel settings affect copies made from the DocuColor 40 glass, and may affect Fiery ZX output as well. If they do, make sure these settings remain the same (preferably at a neutral position) prior to calibration, and from one print job to the next. If you change these settings, calibrate the Fiery ZX when you have finished changing settings.

Print some standard color pages such as the Color Charts (from the Control Panel or from the Command WorkStation) and the Color Reference pages included with the user software (see *Getting Started* ). 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 the Fiery ZX system.

If the solid density patches (100% cyan, magenta, yellow or black) look less saturated with time, show the pages to the DocuColor 40 technician to find out whether adjusting the DocuColor 40 can improve the output.

## Checking calibration status

You can check whether the Fiery ZX is calibrated, what target was used, and when the printer was last calibrated. You can view information about the last calibration:

- By printing a Configuration page or Test Page from the Control Panel or the Command WorkStation.
- With the Fiery Print Calibrator, by choosing Server Status from the Server menu (see page 6-10).

## Using a densitometer

The Fiery Print Calibrator is designed to work with the X-Rite DTP32 reflection densitometer so that color measurements are entered automatically.

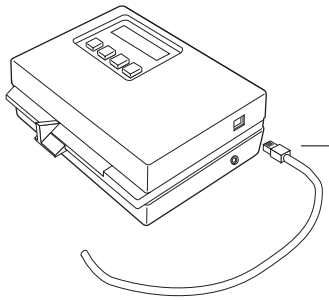
### Setting up the densitometer

Before you calibrate the Fiery ZX, you need to connect, configure, and calibrate the densitometer to prepare for measuring the printed patches (see "Calibrating the densitometer" on page 6-18). For additional information about setting up and using the densitometer, see the documentation included with it.

---

**TO CONNECT THE X-RITE DTP32 TO THE COMPUTER:**

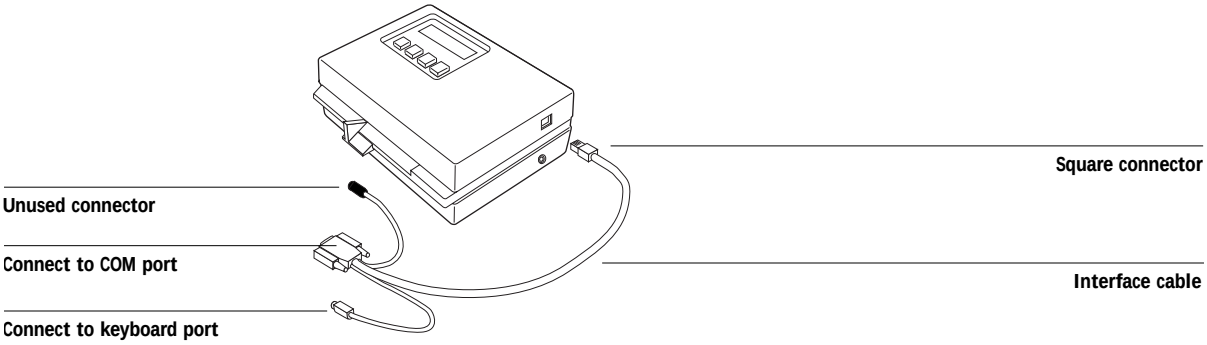
1. **Turn off the Command WorkStation computer.**
2. **Plug the square end of the interface cable (like a modular phone plug) into the I/O port on the side of the X-Rite DTP32.**



**Square connector**

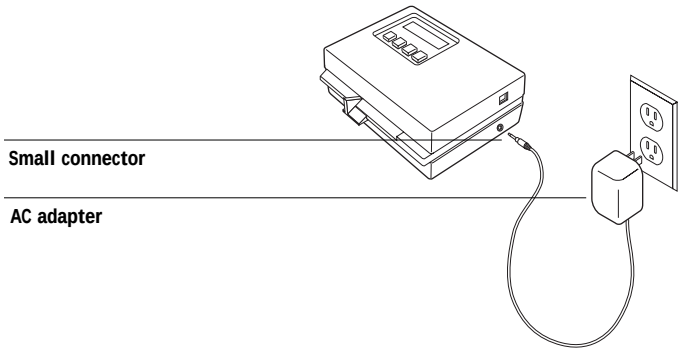
3. **Attach the connector to the Command WorkStation computer.**

   Attach the 9-pin connector to the COM1 or COM2 port on the computer and tighten the screws.




4. **Use the optional AC adapter (available from X-Rite) to provide power.**

   Plug the small connector on the adapter cable into the side of the X-Rite DTP32 and plug the adapter into a wall outlet.




5. **Turn on the Command WorkStation computer.**

6. **Calibrate the densitometer (see page 6-18).**

7. **Use the Fiery Print Calibrator to calibrate the Fiery ZX (see the next section).**

## Calibrating with the Fiery Print Calibrator

The Fiery Print Calibrator allows you to calibrate from the Command WorkStation. You can calibrate to targets provided with the Fiery ZX as described in this chapter, or you can customize targets and calibration curves to suit the specific needs of your printing environment as described in Chapter 7.

---

**TO USE THE FIERY PRINT CALIBRATOR:**

1. **Start the Fiery Print Calibrator and connect to the server you want to calibrate.**

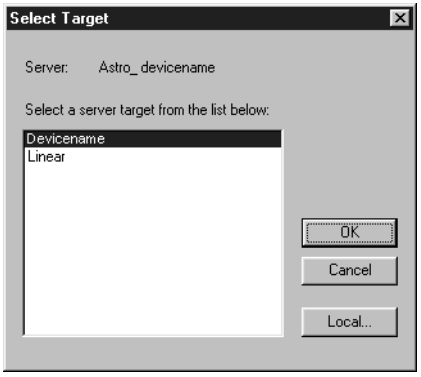
   To calibrate a different Fiery ZX, choose Open from the File menu.

   For instructions on configuring the connection to the Fiery ZX, see *Getting Started*.

2. **If this is the first time you are calibrating, you are prompted to select a target.**

   The first time you use the Fiery Print Calibrator, you see only the targets provided with the Fiery ZX. You can store additional targets on the Fiery ZX and on your computer. You can designate any target stored on the Fiery ZX as the resident target.

   The initial default target is the DocuColor 40 target; it is the one with the DocuColor 40 device name (DocuColor).

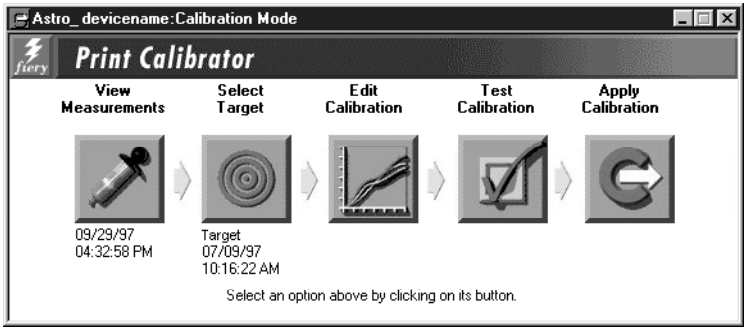



3. **Select a target and click OK.**

   The target you choose becomes the default target. The target can be changed independently of your measurements.

## The Calibration Mode window

The Calibration Mode window of the Fiery Print Calibrator has large buttons which indicate the sequence for the main Fiery Print Calibrator functions. There is a menu bar with File, Edit, Measurements, Server, and Window menus, and a status message at the bottom of the window. The functions that are unavailable at any particular time are dimmed and cannot be selected.

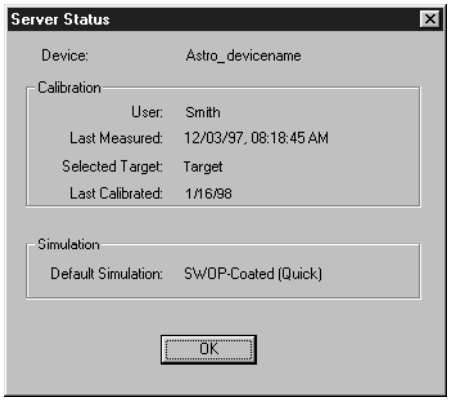



The buttons and their actions are:

- **View Measurements**—Displays a table of density values in the current measurements file. Below the button is the date of the active measurements.
- **Select Target**—Allows you to select a new target for calibration or for customizing. Below the button is the name and creation date of the currently selected target. This target is not necessarily the resident calibration target used by the Fiery ZX.
- **Edit Calibration**—Allows you to view the current measured and target curves and customize the selected target.
- **Test Calibration**—Prints a page so that you can view the results of calibration before changing the calibration on the Fiery ZX.
- **Apply Calibration**—Updates the calibration on the Fiery ZX.

  In order to Apply Calibration to the Fiery ZX, you must have a Measurements file and a Target.

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




If the Fiery ZX is calibrated, the Server Status dialog displays the user name or login name of the person who last calibrated the Fiery ZX, the name of the current Fiery ZX, the date and time of the current measurement file, the name of the resident calibration target, and the date and time of the most recent calibration.

## Measurements

Measurements files provide toner values that correspond to standard color patches. Typically, you measure a page of patches with a densitometer and the measurements are loaded on the Fiery ZX.

The creation date and time of the current measurements file appears below the Measurements icon in the main Fiery Print Calibrator window.

**NOTE:** For demonstration purposes only, if you do not have a measurements file, you can use the DEMO.MEA file on the User Software CD. This file should *not* be used to calibrate the Fiery ZX.

## Measuring values with a DTP32 densitometer

To create a measurements file you print a patch page and feed it into the densitometer. The densitometer scans the density of the patches on the page and automatically transmits the measured values to the Fiery Print Calibrator.

After each column of patches is scanned, you move the page to scan another column. The DTP32 densitometer has an adjustable strip guide to the right of the strip entrance. The density measurements are used to create a Measurements file. In general, valid measurements for all patches fall within the range of 0 to 3.05. Values between -0.01 and +0.005 are shown in the Fiery Print Calibrator as 0. Values that appear in the Measurements window as negative numbers might indicate a problem with the densitometer.

---

**TO PRINT PATCHES FOR MEASUREMENT:**

1. **From the Fiery Print Calibrator main window, choose Print Patch Page from the Measurements menu.**

2. **Select a page size and paper tray.**

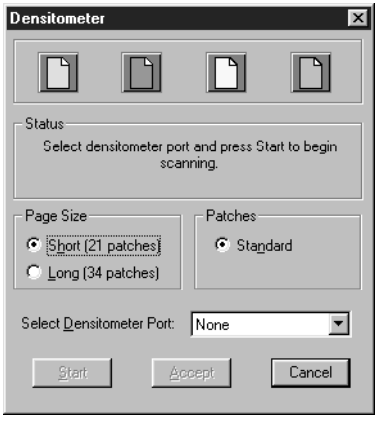
   Letter/A4 prints 21 patches per color; 11x17/A3 prints 34 patches per color.

   The Fiery ZX downloads the patch page to the DocuColor 40. The patch page has four columns of progressively less saturated tints of each process color.

### TO MEASURE CALIBRATION PATCHES WITH AN X-RITE DTP32:

1. **Make sure your X-Rite DTP32 is connected (page 6-6) and calibrated (page 6-18).**

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




3. **Select the page size that matches the patch page you printed.**

   The Long page size has more patches with more finely distinguished color gradations.

4. **In the Select densitometer port pop-up menu, choose the port (COM1 or COM2) with the densitometer interface cable.**

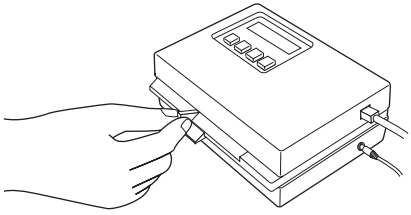
   If the densitometer screen does not display MAIN MENU, for example after calibrating the densitometer, press the two MENU buttons at the same time.

5. **Click Start.**

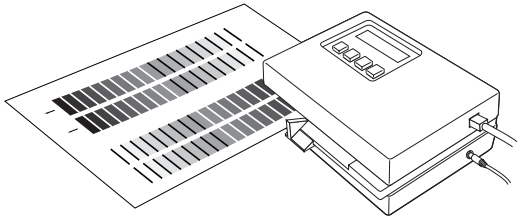
6. **Follow the on-screen instructions to measure patches.**

7. **When prompted, position the pointer on the strip guide to 15.**

   The first column you'll measure is the cyan column.



8. **With the arrow above the cyan column pointing towards the densitometer, align the right side of the patch page with the strip guide.**



9. **Insert the patch 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.

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

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

11. **When prompted (onscreen and on the densitometer), move the strip guide to 30 and feed the patch page to measure the magenta column.**

    After the magenta strip is measured, Pass #1 of 1 OK! appears in the densitometer display.

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

    Leave the strip guide set to 30.

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

    After the yellow strip is measured, Pass #1 of 1 OK! appears in the densitometer display.

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

    After the black strip is measured, Pass #1 of 1 OK! appears in the densitometer display.

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

15. **When all four columns have been measured, click Accept in the Densitometer window.**

    The Densitometer window closes; the date beneath the Measurements icon is updated to the current date because the measurements have been saved to the Fiery ZX.

---

**TO SAVE THE MEASUREMENTS FILE:**

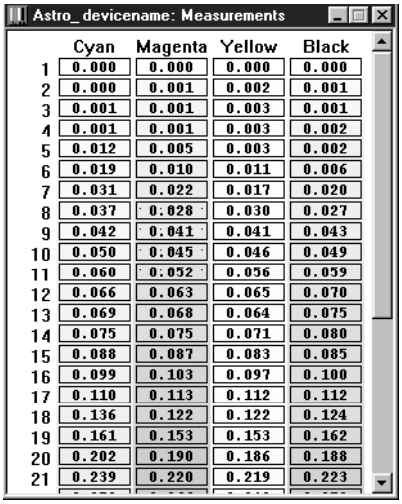
- **Choose Export from the Measurements menu to save the measurements file to your computer hard disk.**

  If you save the measurements file to your hard disk, use it only as a backup for your own reference. You can import this file later without having to remeasure, but this is usually not recommended. For optimal calibration, use a new measurements file based on current densitometer values.

  For your information, exported measurements files are tab-delimited ASCII files that you can open in a word processing, spreadsheet, or database program.

**TO VIEW STORED MEASUREMENT VALUES:**

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




| | Cyan | Magenta | Yellow | Black |
|---|---|---|---|---|
| 1 | 0.000 | 0.000 | 0.000 | 0.000 |
| 2 | 0.000 | 0.001 | 0.002 | 0.001 |
| 3 | 0.001 | 0.001 | 0.003 | 0.001 |
| 4 | 0.001 | 0.001 | 0.003 | 0.002 |
| 5 | 0.012 | 0.005 | 0.003 | 0.002 |
| 6 | 0.019 | 0.010 | 0.011 | 0.006 |
| 7 | 0.031 | 0.022 | 0.017 | 0.020 |
| 8 | 0.037 | 0.028 | 0.030 | 0.027 |
| 9 | 0.042 | 0.041 | 0.041 | 0.043 |
| 10 | 0.050 | 0.045 | 0.046 | 0.049 |
| 11 | 0.060 | 0.052 | 0.056 | 0.059 |
| 12 | 0.066 | 0.063 | 0.065 | 0.070 |
| 13 | 0.069 | 0.068 | 0.064 | 0.075 |
| 14 | 0.075 | 0.075 | 0.071 | 0.080 |
| 15 | 0.088 | 0.087 | 0.083 | 0.085 |
| 16 | 0.099 | 0.103 | 0.097 | 0.100 |
| 17 | 0.110 | 0.113 | 0.112 | 0.112 |
| 18 | 0.136 | 0.122 | 0.122 | 0.124 |
| 19 | 0.161 | 0.153 | 0.153 | 0.162 |
| 20 | 0.202 | 0.190 | 0.186 | 0.188 |
| 21 | 0.239 | 0.220 | 0.219 | 0.223 |

Fiery Print Calibrator displays the current measurements on the Fiery ZX. They are the measurements that were stored on the Fiery ZX when you last clicked Accept.

## Testing and applying calibration

You can view a sample calibration before applying it to the Fiery ZX as the resident calibration. Since the measurements have already been updated, you are actually checking the combination of your measurements with one or more targets.

You can use the Comparison Page provided with the Fiery ZX to test a calibration before applying it. This page shows a comparison of uncalibrated and calibrated data.

The Comparison Page provides the following calibration information:

### RGB using Color Rendering Dictionary section

- **Name**—the name of the Fiery ZX defined in Setup
- **Model**—the Fiery ZX model name and DocuColor 40 model

- **Target**—the currently selected target in Fiery Print Calibrator, not necessarily the target for resident calibration on the Fiery ZX
- **Measurements**—how measurements were obtained
- **Rendering Style**—the default rendering style specified in Setup
- **Date & Time**—when the Comparison Page was printed

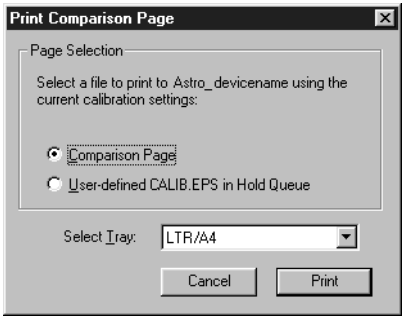
For a description of the information in the section of the page labeled "Press CMYK using Simulation" see page 7-20.

You can also create your own comparison page. To do this, create a PostScript or an EPS (Encapsulated PostScript) file and name it Calib.eps. Use the Fiery Downloader to download the Calib.eps file to the Hold queue of the Fiery ZX.

---

**TO TEST AND APPLY CALIBRATION:**

1. **Click Test Calibration in the Fiery Print Calibrator main window.**
2. **Select a page, choose a paper tray, and click Print.**




3. **If you are satisfied with colors on the printed page, click Apply Calibration, and click Continue to update the resident calibration.**

   Alternatively, if you are not ready to apply the calibration, you can print a Comparison Page with a different target or saved measurements file.

   **Select the target or measurements file, and click the Test button.**

4. **When you have finished working with the Fiery Print Calibrator, choose Exit from the File menu.**

## Calibration checklist

Once you have calibrated the Fiery ZX and, if necessary, adjusted your target to get satisfactory output, calibrating again is just a matter of taking new color measurements and applying them to the current target. A summary of the steps follows.

### Prepare the densitometer

- ☐ Connect and configure the densitometer.
- ☐ If color is critical, calibrate the densitometer. Otherwise, wait until the densitometer prompts you to do so.

### Use the Fiery Print Calibrator

- ☐ Start the Fiery Print Calibrator.
- ☐ Check the target indicated in the main window. This is your current target.
- ☐ Choose Print Patch Page from the Measurements menu.
- ☐ Choose Densitometer from the Measurements menu.
- ☐ Choose the densitometer port and click Start.
- ☐ Pick up the patch page from the DocuColor 40 and feed it into the densitometer, following the prompts in the Densitometer dialog box on the Fiery Print Calibrator screen.
- ☐ When you have measured all four colors, click Accept in the Densitometer dialog box.

### Check the results

- ☐ Click Test in the main window to print a calibration Test Page.
- ☐ Compare the calibrated and uncalibrated color. If the result of using the new measurements is satisfactory, click Apply Calibration. If not, either measure again or edit the target, and test once more before clicking Apply Calibration.
- ☐ Click OK in the confirmation dialog boxes and close the Fiery Print Calibrator.

## Calibrating the densitometer

You will need the black-and-white Auto-Cal strip included with the densitometer. Calibrating the densitometer does not require the Fiery Print Calibrator.

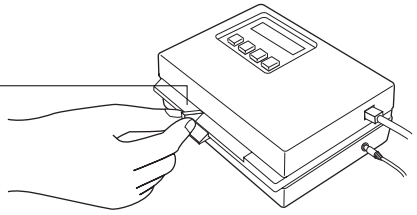
### TO CALIBRATE THE X-RITE DTP32:

1. **Connect the densitometer to the computer and supply power (see page 6-6).**
2. **On the X-Rite DTP32, simultaneously press the two buttons marked MENU.**

   The words MAIN MENU appear in the display.
3. **Press the p1 key until p2 appears.**
4. **Press the cal key.**

   CALIBRATION appears in the display.
5. **Press the den key.**

   CALIBRATING TRANSMISSION is displayed, followed by the words INSERT CAL STRIP.
6. **Position the strip guide at 5.**




7. **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 the X-Rite DTP32 Operating Manual).
8. **Start the Fiery Print Calibrator and proceed to calibrate the Fiery ZX (see page 6-11).**

   Recalibrate the densitometer at least once month. For critical color, calibrate the densitometer every time you calibrate the Fiery ZX.

# Chapter 7: Advanced Fiery Print Calibrator Topics

This chapter describes advanced features of the Fiery Print Calibrator, including customizing calibration and simulation targets. For introductory information about the Fiery Print Calibrator and for instructions on performing calibration, see Chapter 6. For information on the simulation capabilities of the Fiery ZX, see the *Color Guide*.

The following section describes the advanced calibration features of the Fiery Print Calibrator. For information on working with simulations, see "Using advanced simulation features" on page 7-12.

## Using advanced calibration features

The Fiery Print Calibrator offers additional flexibility for advanced users. You can:

- Use a different measurements file stored on your computer
- Select a different target when your printing goals change
- Edit an existing target to suit your needs, test it, save it as a custom target, and save it on the Fiery ZX
- Save measurements as a target
- Back up the targets that are stored on the server
- Remove targets from the server

## Choosing a measurements file

Although you can import a saved measurements file, the measurement file you use should reflect the current color behavior of the copier. Therefore, import saved measurements only if you have reason to doubt your current measurements, or if you don't have access to a densitometer. You cannot edit measurement values with the Fiery Print Calibrator.

**NOTE:** The measurements file is copied to the server as soon as you load a new one from your computer. It is also copied as soon as you accept new measurements in the Densitometer dialog box (see Chapter 6).

Any measurement accepted or imported into the Fiery Print Calibrator automatically becomes *the* measurements file for the connected Fiery ZX. This measurements file is used to create the resident calibration as well as all the other calibrations stored on the Fiery ZX.

**NOTE:** You should view or back up the current measurements before changing them.

---

**TO USE A MEASUREMENTS FILE:**

1. **To view the density values in the current measurements file, click the Measurements icon.**
2. **To back up the measurements, choose Export from the Measurements menu and enter a descriptive name.**
3. **To use a different stored measurements file, choose Import from the Measurements menu and select a saved measurements file from your computer.**

## Working with targets

Target files provided with the Fiery ZX contain desired calibration goals. Select the target file that corresponds to the type of printing done at your site.

You can view your current measurements and compare them with the current target. You can also edit the target file and save the changes as a new target file. This allows you to fine-tune the calibration on the Fiery ZX to meet your exact specifications.

Custom targets are always based on an existing target. Select the target to use as a base for the custom target on a target. In most cases, you'll use the copier target (DocuColor).

The target for the resident calibration can be either of the provided targets, or a custom target with any name. (Instructions for creating custom targets are provided later in this chapter.) Select a target to use for the resident calibration, and click Apply Calibration.

You can test calibrations by comparing calibrated and uncalibrated image data on the Comparison Page, which uses both CMYK and RGB images. You can also create a custom comparison page as described on page 6-16.

### Comparing the measured and target curves

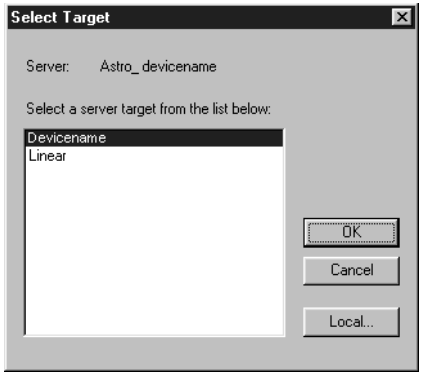
Before editing a target curve, compare it to the current measured curve. By doing so, you can determine how close the measured color densities are to the target densities. The closer the measured densities are to the target densities, the better the results you get from calibration.

**NOTE:** Large differences between the standard copier target and measured curves may mean that the copier needs servicing.

---

**TO COMPARE THE MEASURED CURVE AND THE CURRENT TARGET CURVE:**

1. **Start the Fiery Print Calibrator and select a target from the list of available target files.**



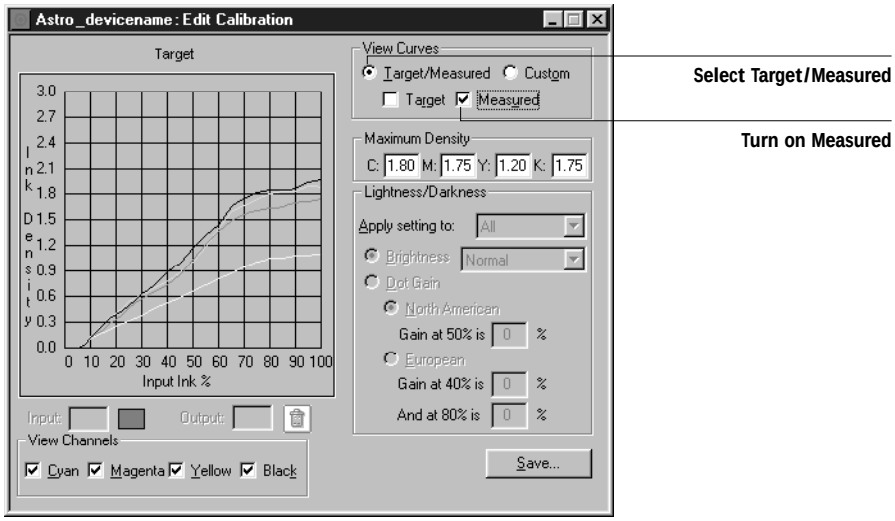
The targets in this list are stored on the Fiery ZX. Alternatively, click Local to use a target stored on your computer.

2. **Click OK.**

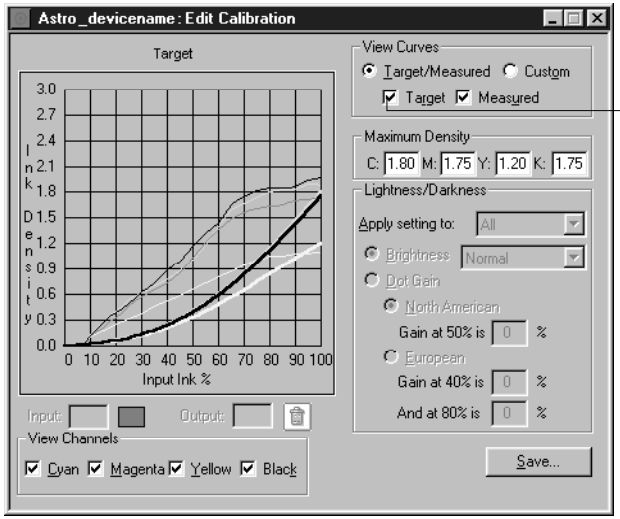
3. **Click the Edit Calibration button in the Fiery Print Calibrator window.**

4. **Select Target/Measured and turn on the Measured option in the View Curves region.**

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



5. **Turn on the Target option and compare the target curve (thick lines) to the measured curve (thin lines).**



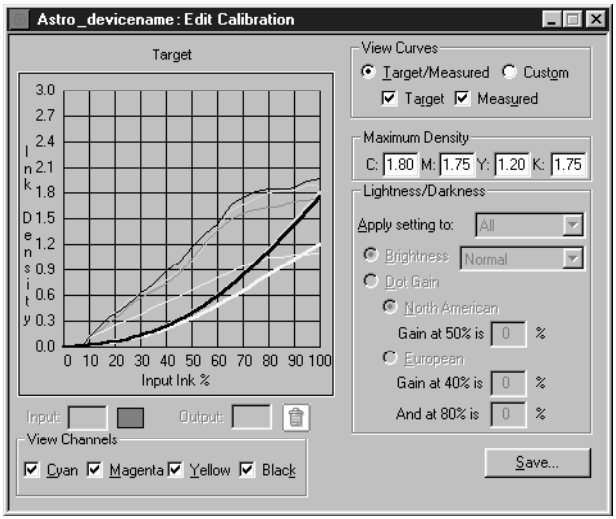

**Turn on Target**

## Customizing calibration targets

The copier's calibration target provided with the Fiery ZX should be used for general printing purposes. You may, however, have special printing needs that require a custom calibration. In this case, you can use the Fiery Print Calibrator to edit an existing calibration target and save it as a custom target.

The Edit Calibration window provides information about your current target and measurements in graphic form and lets you edit curves and values to create a new target.

**NOTE:** All changes are stored as you make them. To discard changes, reload the target from the server or your computer.




The graph on the left side of the window allows you to view and manipulate color output values. The View Channels check boxes (beneath the graph) and the View Curves areas (to the right of the graph) specify the curves displayed on the graph.

You can change several components of a target. The changes are accumulated in the custom target that you eventually save. You can:

- Change the maximum density (Dmax).

An adjusted target is created with the new maximum density.

Independently, you can:

- Adjust brightness
- Adjust dot gain for more saturated output without affecting the overall color balance
- Load a custom curve and edit points in the curve

  The current custom curve is applied to the original target curve or, if you adjusted the Dmax, it is applied to the target with the new maximum density.
- By clicking Save, save a copy of the edited target to your computer
- Choose Apply Calibration when you are ready to update the resident calibration on the Fiery ZX

**NOTE:** The values in the following illustrations *do not* represent standard values. They are intentionally exaggerated for example purposes.

---

**TO ADJUST MAXIMUM DENSITY (DMAX):**

1. **Select the target to edit (see page 6-8).**
2. **Click the Edit Calibration button.**
3. **In the View Curves area, click Target/Measured and Target.**
4. **For each color, enter a value in the Maximum Density areas, and press Tab or Enter to adjust the endpoint of the target curve as needed.**

   You can enter a value from 0.1 to 3.0.

   The rest of the curve adjusts to make a smooth transition to the new endpoint. The adjusted target is stored. To discard changes, reload the target from the server or from the local disk.

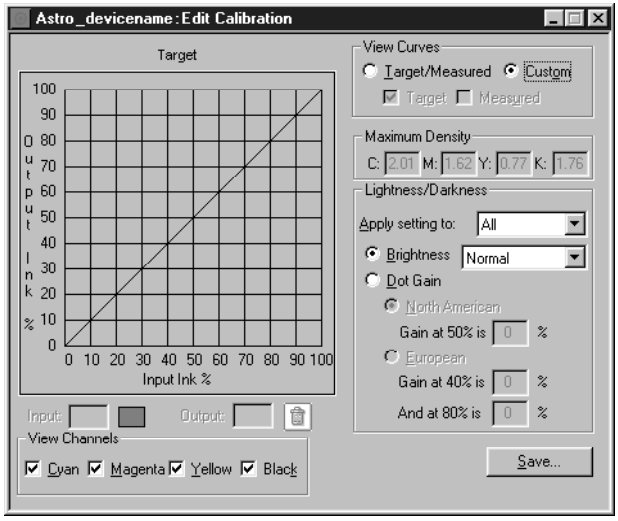
**TO CUSTOMIZE A TARGET:**

1. **Select the target to edit (see page 6-8).**

2. **Click the Edit Calibration button.**

3. **In the View Curves area, click Custom to edit the input/output curve.**

   The graph maps input ink percentage to output ink percentage by analogy to ink on a press. Initially, the graph is a 45° straight line; that is, input values equal output values. This is the starting place for your editing.




   As you make changes, you either increase or decrease the amount of toner that will be used to render a certain percentage tone. An ink density of 100% is a fully saturated color; 0 to 5% is a highlight color.

4. **In the View Channels area, select the channels to edit.**

   You can view information for all four colors at the same time (cyan, magenta, yellow, and black), or any combination of these. Working with only one or two colors at a time helps you to distinguish the curves and to fine-tune your adjustments, especially when using a monochrome monitor.

5. **In the "Apply setting to" menu, choose the channel to adjust in the Lightness/Darkness area of the window.**

6. **Use the Brightness menu to adjust brightness as needed.**

7. **Adjust the dot gain as needed.**

   These values are used independently of the Brightness curve. Changing the values for dot gain can give more saturated color output without affecting the overall color balance. The dot gain values *simulate* dot gain, not compensate for dot gain.

   You can choose either the North American or European standard and then enter the desired Dot Gain. The valid values for North American gain at 50% input are 0% to 50% output. The valid values for European at 40% input are 0% to 60% gain on output; the valid values for European at 80% input are 0% to 20% gain on output.

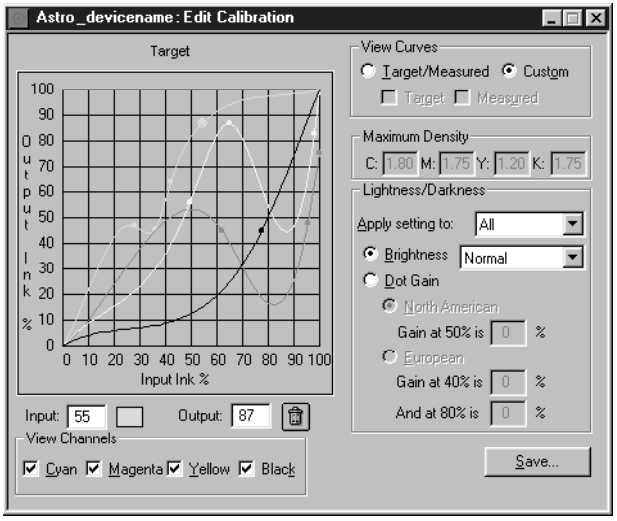
   If you use Dot Gain values, the curve will be smoothed so that there are no spikes or jumps in output value.

   **NOTE:** You should measure this value from actual press output, using a densitometer.

8. **In the graph, drag points to adjust the curve as needed.**

   The graph maps input percentage to output percentage in 10% increments. Points along the curve are marked so that you can adjust them.

   **NOTE:** You should adjust points in this way *after* you have applied a brightness or dot gain curve. If you attempt to change a brightness or dot gain setting after you have adjusted the points on the graph, your earlier changes are not registered.

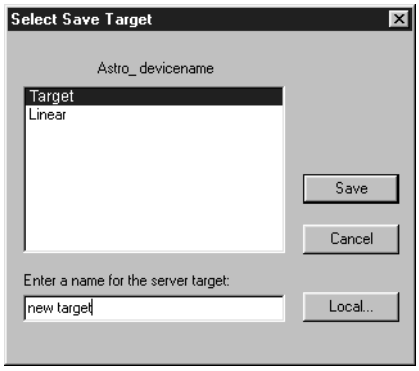


9. **You can test the changes now by using the Test Calibration icon button in the Fiery Print Calibrator main window, or customize the target further.**

   If you edit a local target file, you are prompted to save it on the Fiery ZX before calibration can be changed.

   **NOTE:** You cannot use the name of an existing target.

10. **Enter a name for the edited target file and click Save.**




11. **To save the target on your computer, click Save (in the Edit Calibration window) and enter a name for the new target.**

    You can use a saved target again or continue editing it later.

## Backing up Fiery ZX targets

If you think you may need a target later, you can back up targets to save the target to your computer before you delete it from the Fiery ZX. You should always save targets before updating Fiery ZX system software to ensure that no custom targets are lost.

**TO BACK UP TARGETS:**

- **Choose Back Up Targets from the Server menu.**

  This copies the target files from the Fiery ZX to your computer.

## Deleting custom targets

If desired, you can delete custom targets permanently from the Fiery ZX. You may want to do this to make sure no one applies a calibration using the wrong target file. You cannot delete the original targets (DocuColor and Linear).

**TO DELETE CUSTOM TARGETS FROM THE FIERY ZX HARD DISK:**

1. **Start the Fiery Print Calibrator.**
2. **Choose Delete Target from the Server menu.**
3. **Select the target and click OK.**

**NOTE:** Deleting the target used for the resident calibration does not affect the resident calibration. To delete a calibration based on a deleted target, you must apply another calibration that uses a different target, or remove calibration as described in the next section.

## Removing calibration

If desired, you can remove calibration from the Fiery ZX. When you remove calibration, the resident calibration curves are removed, and a default calibration is restored.

**TO REMOVE CALIBRATION:**

1. **Choose Remove Calibration from the Server menu.**
2. **When prompted, confirm that you want to remove calibration.**

## Using advanced simulation features

The Fiery Print Calibrator offers simulation features for advanced users. You can:

- Change the default simulation on the Fiery ZX
- Edit an existing simulation to suit your needs, test it, save it as a custom simulation, and save it on the Fiery ZX
- Back up the simulations that are stored on the server
- Remove simulations from the server

### Working with simulations

Simulations, or *press simulations*, allow you to use the DocuColor 40 as a proofing device for jobs that will print on an offset press. Because the range of colors available on the DocuColor 40 is different from that of a press, the Fiery ZX automatically adjusts the color so that the output falls within the range of colors a press can produce.

Several simulations are provided with the Fiery ZX, and you can create additional ones by editing existing simulations with the Fiery Print Calibrator. A default simulation target is specified by the administrator in Setup. You can change the default simulation using the Fiery Print Calibrator.

The simulations provided with the Fiery ZX are:

- **DIC**—Japanese press standard
- **Euroscale**—European press standard
- **SWOP-Coated**—US press standard
- **Match Copy**—Bypasses calibration and produces output that matches a copy made from the copier glass

Each of the press simulations has both a Quick and Full version. These versions correspond to the method of mapping colors from your copier's color gamut to that of the desired press standard as follows:

- **Quick**—Compensates for only density (one-dimensional mapping)
- **Full**—Corrects for hue as well as density (four-dimensional mapping)

The PPD for the Fiery ZX provides placeholders for five custom simulations named **Custom-1**, **Custom-2,** and so on. These can be made available for users to select from the CMYK Simulation print option when printing a job.

You can store targets on the Command WorkStation computer, on another connected disk, or on the Fiery ZX disk (or all three). However, only the original simulations and five custom simulations are available to users who choose a simulation on a job-by-job basis (with the CMYK Simulation print option).

For a custom simulation intended to be available only as a CMYK Simulation setting in Setup, any name can be used. For a custom simulation intended to be available for users to choose on a job-by-job basis, the name must be "Custom-1", "Custom-2", and so on.

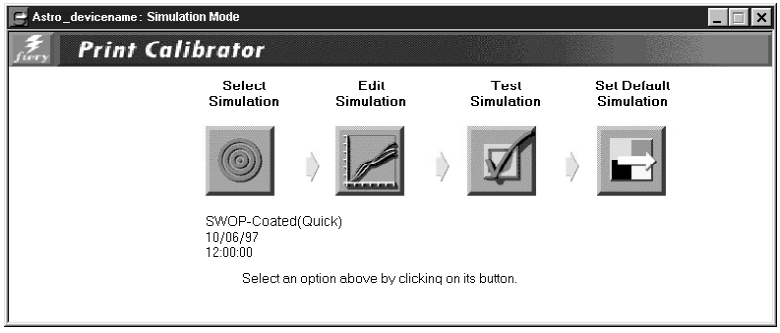
**NOTE:** The custom simulation names "Custom-1" and "Custom-2" appear in the users' CMYK Simulation settings, and users can choose them, whether or not the corresponding custom options have been created and loaded on the Fiery ZX. Jobs printed with a non-existent custom simulation fail printing and show an error.

For more information on the CMYK Simulation and CMYK Simulation Method print options, see the *Color Guide* and the *Printing Guide*.

## Using the Simulation Mode window

After starting the Fiery Print Calibrator, choose Simulation Mode from the File menu.

The Simulation Mode window has icon buttons for the most frequently used Fiery Print Calibrator functions. There is also a menu bar with File, Edit, Measurements, Server, and Window menus, and a status message at the bottom of the window. Functions unavailable at any particular time are dimmed and cannot be selected.




The buttons and their functions are:

- **Select Simulation**—Allows you to select a simulation to work with. You must select a simulation before editing or applying it to the Fiery ZX. Below the button are the name and creation date of the currently selected simulation, which is not necessarily the default simulation on the Fiery ZX.
- **Edit Simulation**—Allows you to view and customize the current simulation.
- **Test Simulation**—Prints a test page so that you can view the results of the simulation you are currently working with.
- **Set Default Simulation**—Updates the default simulation on the Fiery ZX.

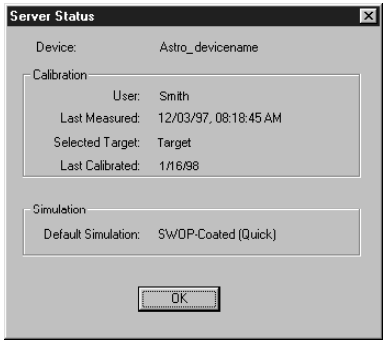
## Checking the current simulation

You can use the Fiery Print Calibrator to see the simulation currently selected as the default on the Fiery ZX.

---

**TO VIEW INFORMATION ABOUT THE CURRENT SIMULATION:**

1. **Start the Fiery Print Calibrator and connect to the Fiery ZX.**
2. **Choose Server Status from the Server menu.**




The bottom section of the Server Status window displays the default simulation.

## Editing simulations

You can edit a press simulation to meet your exact specifications. You can also save the changes as a new simulation.

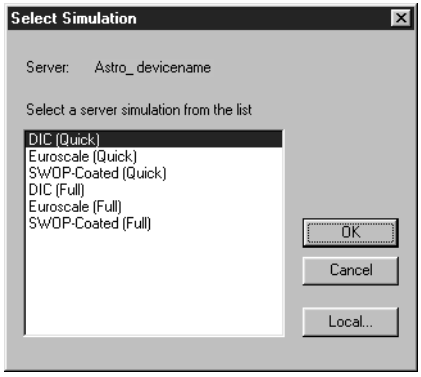
**NOTE:** The values in the following illustrations *do not* represent standard values. They are intentionally exaggerated for example purposes.

---

**TO EDIT A SIMULATION:**

1. **Start the Fiery Print Calibrator and connect to the Fiery ZX.**
2. **Choose Simulation Mode from the Server menu.**
3. **Click the Select Simulation button.**

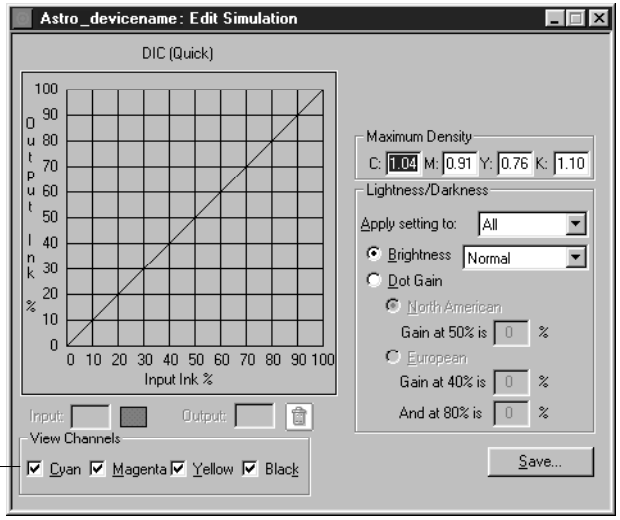
   A dialog box displays the simulations available on the Fiery ZX.




4. **Select a simulation and click OK.**

   Click Local to select a simulation on your computer.

5. **Click the Edit Simulation button.**




**Select channels**

You can use this dialog box to view or to edit simulations.

6. **In the View Channels area, select the channels to edit.**

   You can view information for all four colors at the same time (cyan, magenta, yellow, and black), or any combination of these. Working with only one or two colors at a time helps you to distinguish the curves and to fine-tune your adjustments, especially when using a monochrome monitor.

7. **For each color, enter a value in the Maximum Density areas and then press Tab or Enter to adjust the endpoint of the target curve as needed.**

   You can enter a value from 0.1 to 3.0.

   The rest of the curve adjusts to make a smooth transition to the new endpoint. The adjusted target is stored. To discard changes, reload the target from the server or from the local disk.

8. **From the "Apply setting to" menu, choose the channel to adjust in the Lightness/Darkness area of the window.**

9. **Use the Brightness menu to adjust brightness as needed.**

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

10. **Adjust the Dot Gain value as needed.**

    For simulating press output, you can choose either the North American or European standard. Enter the desired Dot Gain in the appropriate text box. 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.

11. **In the graph, click and drag points to adjust the curve as needed.**

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

    **NOTE:** You should adjust points on the curves after you have entered values in the other areas of the window. If you change values after you have adjusted the curve on the graph, values might not be valid.

12. **When you are finished, click Save and enter a name for the new simulation.**

    This saves the simulation to Fiery ZX. Use Local to save the simulation to your computer hard disk so that you can use it again or continue editing it later.

    - Give the simulation a new name. You cannot overwrite the name of an original press target.
    - Include part of the original name in the new name, for example, “SWOP-New.” This helps you remember what the new simulation is based on.
    - To allow users to print with the simulation on a job-by-job basis, you must use the exact names “Custom-1”, “Custom-2”, and so on. Give users a description of the custom simulations because they see only the “Custom” names from the printer driver interface.

    **NOTE:** If custom simulations are later deleted from the server, users might still select them when they print. However, jobs printed with non-existent custom simulations will fail printing and report an error.

## Managing simulations

With Fiery Print Calibrator, you can back up and delete simulations. You can also set the default simulation to None.

---

**TO BACK UP SIMULATIONS:**

- **Choose Backup Simulations from the Server menu to copy the simulations from the Fiery ZX to your computer.**

  Simulations are saved in a folder called Backup in the folder where the Fiery Print Calibrator is located. You can save simulations for safekeeping. You should always save simulations before updating Fiery ZX system software to ensure that no custom simulations are lost.

---

**TO DELETE CUSTOM SIMULATIONS FROM THE FIERY ZX HARD DISK:**

1. **Choose Delete Simulation from the Server menu.**
2. **Select the custom simulation and click OK.**

   You can remove simulations to make sure no one uses the wrong simulation file. You should always use the Backup Targets command to save simulations before you delete them.

---

**TO SET THE DEFAULT SIMULATION TO NONE:**

1. **Choose Set Default Simulation to None from the Server menu.**
2. **When prompted, confirm you want to reset the default.**

## Testing and applying simulations

You can use the Comparison Page provided with the Fiery ZX to test a simulation before applying it. This page shows a comparison of images with and without simulation applied.

The Comparison Page provides the following simulation information:

### Press CMYK using Simulation section

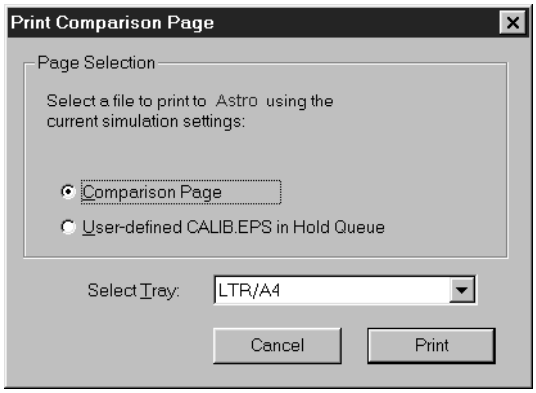
- **Simulation**—The currently selected simulation in Fiery Print Calibrator, not necessarily the default simulation on the Fiery ZX.
- **Method**—Quick or Full. **Quick** accounts for only the density of colors (one-dimensional mapping) to the press goal. **Full** corrects for both density and hue (a four-dimensional mapping).
- **Press**—The press standard for which the sample CMYK images were separated (for example, SWOP or Euroscale).

For a description of the information in the section of the page labeled “RGB using Color Rendering Dictionary,” see page 6-15.

You can also create your own comparison page. To do this, create a PostScript or EPS (Encapsulated PostScript) file and name it Calib.eps. Use the Fiery Downloader to download the Calib.eps file to the Hold queue of the Fiery ZX.

**TO TEST AND APPLY A SIMULATION:**

1. **In the Simulation Mode window, click Test Simulation.**




2. **Select a page and choose a paper tray.**
3. **Click Print.**
4. **When you have visually verified that the test page displays appropriate colors, click Set Default Simulation.**
5. **Select the simulation to set as the default.**

   The default simulation is used when users select the Printer's Default setting for the CMYK Simulation print option. Users can choose a different simulation on a job-by-job basis.

# Appendix A: Troubleshooting

This section lists error messages you might see, and provides some troubleshooting guidelines should a problem arise with the Fiery ZX-40 Color Server or the Command WorkStation. If you are unable to resolve a problem after referring to this chapter, contact your authorized service/support center.

## Error messages

Error messages can result from problems with the print job, the Fiery ZX, the Command WorkStation, or the copier. Some of the most common error conditions are listed here.

A copier error message sometimes remains displayed on the Command WorkStation even after you have resolved the error. A time lag in communicating the resolution of the error to the Command WorkStation may lead you to believe the error has not been resolved. However, printing will resume and the Command WorkStation display will be updated after a short delay.

When an error interferes with printing, you will see a message at the Command WorkStation. The status bar that displays the message indicates the process where the error occurred. Following are the messages (listed in alphabetical order), with the appropriate corrective action for each one. You can cancel the pending print job while you attend to the error condition. A few normal status messages are included in this list in case they cause concern.

| Fiery ZX message: | Corrective action/additional information: |
|---|---|
| Add fuser oil | The copier does not have any fuser oil. Printing will resume when you add fuser oil. |
| Add staples | The stapler has run out of staples. The job that requires stapling will be finished after you add staples. |
| Add toner: C/M/Y/K | Add toner of the specified color. |
| Belt waste toner bottle almost full | This warning message appears on the Fiery ZX Info screen and indicates that you should replace the belt waste toner bottle as soon as possible, although you may continue to print in the meantime. |

| Fiery ZX message: | Corrective action/additional information: |
|---|---|
| Broken tray: 1/2/3 | There is a problem with the named tray. Make sure that it is present and there is no mechanical problem. |
| Call for service<br>Error # x-xxx | The system has detected an error that requires a service call. Before calling for service, power cycle the copier and the Fiery ZX. If that does not resolve the error, call your authorized service representative and provide them with the error number that is displayed. Only the service representative can clear this type of error. |
| Check power & cable | There is a problem with the print engine power or cable connection. First check to make sure that the print engine is turned on. There may also be a problem with the cable connection between the Fiery ZX and the print engine. Make sure that the cable has not come loose. The Fiery ZX will resume printing when the cable is securely connected to both the Fiery ZX and the print engine. |
| Clearing paper path | This is a normal status message (LCD is solid green), displayed on the Fiery ZX Info screen when the copier is clearing the paper on the race track. |
| Close copier door | One of the doors on the copier is open. Close the door to resume printing. |
| Close tray: 1/2/3 | One of the trays on the copier is open. Close the tray to resume printing. |
| Connecting:<br>Press "CM" | If this message is displayed on an Info screen (Fiery ZX LCD is solid green), it is a normal status message indicating that the Fiery ZX is requesting control of the copier. You can either wait for the connection to be made or speed up the connection process by pressing the copier's CM button.<br>If this message is displayed on an Abort screen, you must press the copier's CM button for printing to proceed. |
| Copier adjustment in progress… | This is a normal status message (LCD is solid green), displayed on the Fiery ZX Info screen when the printer is performing internal adjustments. |
| Copier is offline | The Suspend Printing option has been selected from the Functions menu. Press Resume Printing in the Functions menu to reconnect the Fiery ZX to the copier. |

| Fiery ZX message: | Corrective action/additional information: |
|---|---|
| Disk full | The Fiery ZX disk is almost full. In this state, a new job can only be printed when the oldest printed job is deleted. This is not an efficient way to print, and may lead to delays and printing errors, so you should delete unneeded jobs from the Hold areas in the Queues window (yellow job rows) and held jobs in the Archive window. Also delete unneeded fonts. If these do not work, you can use the Clear Server command. |
| Empty belt waste toner bottle | Belt waste toner bottle is full. Printing will resume after you empty the belt waste toner bottle. |
| Empty finisher | You must remove the paper from the finisher before continuing the job. |
| Empty sorter bins | You must remove the paper from the sorter bins before continuing the job. |
| Empty waste toner bottle | The waste toner bottle is full. Printing will resume after you replace the waste toner bottle. |
| Finisher is not ready | The copier's finishing unit is being used in manual mode, or is not connected, or is out of order. |
| Fuser oil almost empty | This warning message appears on the Fiery ZX Info screen and indicates that you should replace the fuser oil as soon as possible, although you may continue to print in the meantime. |
| Fuser web almost used up | This warning message appears on the Fiery ZX Info screen and indicates that you should replace the fuser web as soon as possible, although you may continue to print in the meantime. |
| Idle | This is a normal status message (LCD is solid green). The Fiery ZX is idle, waiting for the next job. |
| Internal error | An error has been detected by the Fiery ZX system software. In the unlikely event that you see this error, report it to your authorized service representative. |
| Ld ___ film in bypass | The copier's bypass tray is not loaded with the film size or type specified. The Fiery ZX will print when the bypass tray is loaded with the required film. |
| Ld ___ in bypass | The copier's bypass tray is not loaded with the paper size or type specified. The Fiery ZX will print when the bypass tray is loaded with the required paper. |

| Fiery ZX message: | Corrective action/additional information: |
|---|---|
| Ld ___ in tray ___ | The copier's specified tray (1, 2, or 3) is not loaded with the paper size specified. The Fiery ZX will print when the named tray is loaded with the required paper. |
| Load thick ___ in bypass | The copier's bypass tray is not loaded with the thick paper size specified. The Fiery ZX will print when the bypass tray is loaded with the required thick paper. |
| Ld ___ transp in bypass | The copier's bypass tray is not loaded with the transparency size specified. The Fiery ZX will print when the bypass tray is loaded with the required transparency. |
| Low toner: C/M/Y/K | This is a warning message indicating that the toner for one of the colors is running low. |
| 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 ZX will resume printing when you have cleared the paper jam and closed the copier doors. |
| Printing . . . | This is a normal status message indicating that printing is in progress. |
| Recycle copier power | Turn off the copier power switch, then turn it on again. |
| Re-establishing comm Please wait . . . | When the Fiery ZX is not communicating with the printer, it displays this message while it tries to connect. An error may have occurred with the copier. See the copier message panel for information. |
| Replace fuser web | The copier's fuser web is used up. Printing will resume when it is replaced. |
| Run setup and enter DocuColor key | This message is displayed if your model requires that you enter a security code. Call your authorized service representative and request a valid security code. |
| Sorter is broken Call for service | The copier's sorter unit is malfunctioning. Call your authorized service representative. |
| Sorter is not ready | The copier's sorter unit is in use—possibly someone is removing paper from the sort bins. Printing will proceed when the sorter unit is not being used. |

| Fiery ZX message: | Corrective action/additional information: |
|---|---|
| Stapler is broken<br>Call for service | The copier's stapler unit is malfunctioning. Call your authorized service representative. |
| Unknown error | An error occurred with the print engine. |
| Warming Up . . . | This is a normal status message. The print engine is powering up. It will be ready for printing in a few minutes. |
| Waste toner<br>bottle almost full | This warning message appears on the Fiery ZX Info screen and indicates that you should replace the waste toner bottle as soon as possible, although you may continue to print in the meantime. |

## Maintaining optimal system performance

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

- Reduce unnecessary two-way communication.

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

- Schedule the printing workload by checking job ticket information before printing. Print jobs with the same output and paper specifications together to minimize paper changes. Also, print routine jobs while you prepare to print jobs with special instructions or special media.

- Reduce unnecessary server connections at the Command WorkStation. If you use a second or third Fiery ZX server on an occasional basis, performance will be improved if you log off when you are not using it.

- Avoid printing with the server Disk full warning.

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

# Troubleshooting

In case of problems, and before you call for service, check the guidelines in this section. If you are unable to resolve the problem, make a note of the error condition and contact your authorized service/support center.

## Command WorkStation hangs

If the Command WorkStation windows do not update, try clicking the Log in/out slider and logging out, and then exiting the Command WorkStation. Restart the Command WorkStation application or restart the computer.

If the Command WorkStation windows do not update, or no jobs are displayed, and the mouse has no effect (you cannot select a job or a window, use a right mouse command, or select a menu item) the Fiery ZX is down or communication over the network has failed.

To force an exit from the Command WorkStation application, press Ctrl-Alt-Delete, and with the Command WorkStation selected, click End Task. At the Fiery ZX, disconnect and reconnect the network cable, and try printing a Test Page or Configuration page. If that fails, reboot the server.

If the Fiery ZX Control Panel does not respond to the Menu button, press the Reset button, turn off the server and turn it on again. When it reaches Idle, restart the Command WorkStation application.

## Command WorkStation fails to connect to a Fiery ZX

If a remote Command WorkStation cannot connect to a server that was connected previously, you may need to reconfigure the connection.

1. **If you can, choose Exit from the Command WorkStation File menu.**
2. **In the C:\Windows folder, find the Efinl.ini file and move it out of the C:\Windows folder to another folder.**

   If the Efinl.ini file contains a limited amount of configuration information that is easily recreated (i.e., information for only one or two servers), you can delete the file altogether. A new Efinl.ini file will be created in the C:\Windows folder when you reconfigure the connection.

If the Efinl.ini file contains configuration information for several servers, or information that is not readily recreated, keep the Efinl.ini file as a backup.

3. **Print a Configuration page.**

   You will use the information on this page to configure the connection to the server.

4. **Launch the Command WorkStation application.**

5. **When you are prompted to configure a server connection, click OK.**

   Use the instructions in *Getting Started* to configure the connection.

6. **If you still cannot connect to the Fiery ZX, the administrator should reinstall Command WorkStation software.**

   See *Getting Started* for details.

## Unexpected printing results

| If this happens: | This is the problem: |
|---|---|
| A cover page is not printed when you reprint a saved raster job. | The cover page identifies the originator of the job and the time the job was sent. Time stamp and user information on the cover page of a reprinted job are not meaningful. |
| The job settings are not carried out as you expected. | If the user printed from the Mac OS or Windows 3.1x platform, there may be two conflicting print settings. You can check the job properties by double-clicking the job. See the *Printing Guide* for a table of job properties and conflicting properties. Notify the users of these conflicts so they can avoid them in the future.<br>If you expected the settings you see in the Properties window, be aware that the Copies and Collation fields do not currently reflect user settings, and that Page Range and Scale percent are All and 100%, respectively, unless they were changed after being sent for printing. |
| The job doesn't print. | Some printing errors may be displayed in the Print status bar. When the job is in the Printed queue, jobs that had a PostScript error are displayed in a light red job row. Double-click anywhere in the row to see the error message. |

| If this happens: | This is the problem: |
|---|---|
| There are font errors. | If user-specified fonts that are not resident on the Fiery ZX are not printing correctly in PostScript files that are downloaded by users, request that they embed the fonts in the PostScript file or print directly from their application. When users print from their applications, if special fonts are not downloaded automatically, they should be downloaded directly to the Fiery ZX with the Fiery Downloader. This can be done by the user or by the operator, provided the Direct connection is enabled. For information about the Fiery Downloader, see the *Printing Guide*. |

## Clearing the server

Clearing the server is an Administrator option that can be used as a last resort if a job persists in the system and prevents printing despite attempts to cancel or delete it. Clearing the server deletes all jobs currently saved on the server in any queue, all locally archived jobs, and all FreeForm master jobs. It also clears the Job Log, the index of archived jobs and the index of FreeForm masters.

Before clearing the server, export the Job Log if you haven't recorded the information in it. If you can, notify users that you will clear their jobs from the server so they can back them up and resend them when the server is back in operation.

You can clear the server from the Control Panel (see page 1-7) or from the Command WorkStation with the Clear command in the Server menu (see page 2-9).

## Users are unable to connect to the printer

If users are unable to connect to the printer, or are unable to find the printer from their workstations, the network administrator may need to troubleshoot their network connections, and check settings on the servers they use for printing. If settings have changed, it may be necessary to reconfigure the Fiery ZX.

For example, if print servers or print queues on a Novell server are renamed or deleted, or if accounts or permissions are changed, the Fiery ZX administrator may have to edit settings or enter new settings in IPX (Novell) Setup to reflect the new configuration.

If users cannot connect to the printer with the Fiery Downloader from Windows 95 or Windows NT 4.0, you may need to reconfigure the utility's connection to the server. See *Getting Started* for details.

Mac OS users may fail to see the printer if a network administrator has assigned it to a different zone, or has added zones where previously there were none.

If you have configured the Fiery ZX and set up client computers and network servers according to guidelines in the *Configuration Guide* and *Getting Started*, try printing a Test Page (at the Command WorkStation, choose Print Pages from the File menu).

If you are able to print the test page but still can't print a file from a remote computer, contact the system administrator to troubleshoot the network connection.

If you are unable to connect, and you *cannot* print the Test Page, check the copier's touch panel display.

| If this happens: | Try this: |
|---|---|
| It displays a diagnostic or error message. | Take the appropriate corrective action, as described in the copier manual or in the section "Error messages" on page A-1. |
| The display is completely blank. | Check the copier's Standby function. If the copier is in Standby mode, press the Standby key to see any messages on the display. |
| The copier is not in Standby mode. | The copier's Automatic Power-Off function may have shut down the copier.<br>Turn the copier on, and then try printing a Test Page again when the copier has warmed up. |
| You still cannot print a Test Page. | Make a copy. If you can make a copy, restart the Fiery ZX, and when you see Idle on the status line of the Fiery ZX display, try printing a Test Page again. If the Test Page still fails to print, contact your authorized service/support center. |

## Setup error messages

For information on Setup error messages, see the *Configuration Guide*.

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