

Getting Started



FIERY ZX3300 / ZX3200

ELECTRONICS FOR IMAGING, INC.



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Introduction

This manual describes how to install the user software for the Fiery ZX3300/ZX3200 Color Server™ and set up printing from Windows and Mac OS computers. For information about setting up network servers and clients to use the Fiery ZX Color Server, see the *Configuration Guide*. For general information on using the color copier, your computer, your application software, or your network, see the manuals that accompany those products.

NOTE: The term “Fiery ZX” is used to refer to both the Fiery ZX3300 and Fiery ZX3200 Color Server. Where appropriate, differences between the two are noted.

Copier and feature support

The Fiery ZX supports R2 color copiers—the term “R2” refers to the following copier models:

- Ricoh Aficio Color 5106 and 5206
- Lanier 5606DC
- Sharp AR-C861 and AR-C862
- Gestetner 2606 and 2606e
- nashuatec C606 and C606e
- Rex Rotary CC8606 and CC8606E
- infotec 7316 and 7316E
- Savin SDC206 and SDC206E

The Fiery ZX3300 includes Command WorkStation™ software, which enables an operator to manage all jobs sent to the Fiery ZX. Although it may not be the case at all sites, the documentation for this product assumes the presence of an operator who controls and manages jobs sent by users from remote workstations.

The Fiery ZX3200 does not include Command WorkStation software. However, Command WorkStation hardware and software are both available options; contact your authorized service technician for information.

Your Fiery ZX includes a media pack containing:

- User Software CD
- For the Fiery ZX3300, Command WorkStation CD
- Documentation set
- Printed Release Notes (described below)

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 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 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.

Specifications

The Fiery ZX has the following features:

- DEC Alpha 21164, 533 MHz CPU
- For the Fiery ZX3300, 256MB RAM
For the Fiery ZX3200, 160MB RAM

You may be able to add additional memory. Contact your authorized service technician for information.

- Internal 4GB hard disk drive
- Internal 100MB removable cartridge Iomega Zip drive (available as an optional kit)
- Internal CD-ROM drive
- Supports AppleTalk, TCP/IP, and IPX protocols simultaneously
- Supports parallel port communication
- Supports thinnet (thin coaxial Ethernet cable or 10Base2), thicknet (thick coaxial Ethernet cable or 10Base5), and unshielded twisted pair (Fast Ethernet 100BaseTX or Ethernet 10BaseT)
- Supports Token Ring networking (available as an optional kit)
- Supports Adobe PostScript 3
- Includes 136 fonts (117 Adobe Type 1 PostScript and 19 TrueType)

In addition, two Adobe Multiple Master fonts are included and are used for font substitution in PDF files.

- Built-in ColorWise™ color management and NetWise™ networking features
- Fiery WebTools™
- Fiery Downloader™, Fiery Print Calibrator™, and Fiery Spooler™ client utilities
- Fiery Scan plug-in

User software

The full set of Fiery ZX user software is provided on the User Software CD and the Command WorkStation CD. The Adobe PS Printer Driver and PPD file can also be installed with the Installer WebTool.

Adobe PS Printer Driver	Enables you to print to the Fiery ZX from Windows and Mac OS computers; also supports special Fiery ZX and PostScript 3 features.
PostScript Printer Description file (PPD)	File for use with the PS printer driver that allows the Fiery ZX to appear in popular applications' Print and Page Setup dialog boxes. The Fiery ZX PPD provides information about the Fiery ZX and your particular copier model to the application and printer driver you are using.
PostScript Screen Fonts	Screen fonts for the 136 PostScript printer fonts installed on the Fiery ZX (117 Adobe Type 1 and 19 TrueType). See Appendix B of the <i>Printing Guide</i> for a complete list.
Fiery Downloader	<p>Enables you to print PostScript files, Encapsulated PostScript (EPS) files, and Portable Document Format (PDF) files directly to the Fiery ZX without opening the application in which they were created. The Fiery Downloader also enables you to manage the printer fonts installed on the Fiery ZX.</p> <p>Fiery Downloader is also installed with the Command WorkStation software.</p>
Fiery Print Calibrator	<p>Enables you to calibrate the Fiery ZX remotely from your computer. Proper calibration keeps color consistent across time.</p> <p>Fiery Print Calibrator is also installed with the Command WorkStation software.</p>
Fiery Spooler	Enables you to view the order and priority of print jobs, customize printer settings for jobs, delete jobs, and move jobs between queues. You can also use it to view job accounting information.

Fiery Scan™ Plug-in	A TWAIN plug-in module for Photoshop that enables you to scan images from the copier directly into Photoshop.
For the Fiery ZX3300, Command WorkStation software (on the Command WorkStation CD)	Enables you to track and manage print jobs, manage printer fonts, preview print jobs, merge documents, perform calibration, and configure the server from a remote workstation. For more information on the Command WorkStation, see the <i>Job Management Guide</i> .
Color management files	ColorSync and ICM color management files that enable you to maintain consistent color from your original artwork to the colors displayed on your monitor to the printed output.
Color reference files	Reference pages that you can print to view the range of colors available on your Fiery ZX.

System requirements

To install the Fiery ZX user software on a Windows or Mac OS computer, the computer must be equipped with a built-in or external CD-ROM drive.

Windows

To print to the Fiery ZX, you need:

- A Windows-based computer with an 80486, AMD, or Pentium processor
- Windows 95, Windows 3.1x, or Windows NT 4.0
- At least 4MB of RAM

To use Fiery utilities (Fiery Downloader, Fiery Print Calibrator, and Fiery Spooler) you also need:

- *Either* Windows 95 or Windows NT 4.0 with NT Service Pack 3
- At least 16MB of RAM

To use Fiery Scan, you also need Adobe Photoshop version 2.5 or later.

To use Fiery WebTools, you also need:

- *Either* Netscape Communicator v4.0.3 with Java enabled *or* Microsoft Internet Explorer v3.0.2 with Java enabled

NOTE: Netscape and Microsoft continue to release frequent updates to their browsers. As support cannot be guaranteed for all versions, use the versions specified above for best results.

- A monitor that supports 16-bit color at a minimum resolution of 600 x 800
- A TCP/IP enabled network and the IP address or DNS name of the Fiery ZX
- Web Services enabled on the Fiery ZX

NOTE: Fiery utilities and Fiery WebTools are not supported with Windows 3.1x.

With Microsoft Windows 95, you also need:

- IPX/SPX or TCP/IP networking protocol installed

NOTE: You must have TCP/IP networking protocol installed in order to use Fiery Spooler; Fiery Spooler is not supported over IPX/SPX.

- Adobe PostScript Printer Driver for Windows version 4.2 or later (version 4.2.1 is included with the user software)

With Microsoft Windows 3.1x, you also need:

- IPX networking protocol installed
- IPX/SPX networking software for IPX/SPX communication
- MS-DOS version 5.0 or later
- Adobe PostScript Printer Driver for Windows version 3.0 or later (version 3.0.1 is included with the user software)

With Microsoft Windows NT 4.0 you also need:

- TCP/IP or AppleTalk networking protocol installed
- The Windows PostScript Printer Driver that came with your Windows NT 4.0 system software; however, some Fiery ZX printing features may not be available. For details, see the *Printing Guide*.

Mac OS

To print to the Fiery ZX you need:

- A Mac OS-based computer
- At least 8MB of RAM
- EtherTalk installed
- Apple System software version 7.5 or later
- Adobe PostScript Printer Driver version 8.5 or later (version 8.5.1 is included with the user software)

To use the Fiery utilities (Fiery Downloader, Fiery Print Calibrator, and Fiery Spooler), you also need:

- A Power Macintosh computer
- At least 16MB of RAM

To use Fiery Scan, you also need Adobe Photoshop version 2.5 or later.

To use Fiery WebTools, you also need:

- Netscape Communicator v4.0.3 or later with Java enabled

NOTE: Netscape continues to release frequent updates to its browser. As support cannot be guaranteed for all versions, use the version specified above for best results.

- A TCP/IP enabled network and the IP address or DNS name of the Fiery ZX
- Web Services enabled on the Fiery ZX

UNIX (TCP/IP)

To print to the Fiery ZX with a UNIX workstation, you need:

- A workstation with standard TCP/IP connectivity (for example, Sun SPARCstation or Silicon Graphics workstation with Solaris version 2.x or SunOS version 4.1.x software)
- TCP/IP printing software that conforms to RFC1179 (Berkeley lpd protocol)

Parallel port

To print to the Fiery ZX using the parallel port, you need:

- A Windows-based computer with an 80486, AMD, or Pentium processor
- At least 4MB of RAM
- The parallel cable included with the Fiery ZX

The cable has a DB-25 male connector (that connects to the computer) on one end and a DB-25 female connector (that connects to the Fiery ZX) on the other.

IPX (Novell)

To use the Fiery ZX with an IPX (Novell) network, you need:

- A Novell server
- Novell NetWare software version 4.x or 3.x
- Support for Ethernet SNAP, Ethernet II, Ethernet 802.3, Ethernet 802.2, Token Ring SNAP, or Token Ring

Command WorkStation

To run the Command WorkStation application from a remote workstation, you need:

- A Windows-based computer with a 200 MHz Pentium processor
- Windows NT 4.0 with NT Service Pack 3
- TCP/IP networking protocol installed
- PCI VGA interface card
- At least 32MB of RAM
- At least 2MB of video RAM
- An 850MB IDE hard disk drive
- A 2x CD-ROM drive
- A 17" monitor that supports 16-bit color at a minimum resolution of 1024 x 768

Installing User Software on a Windows Computer

This chapter describes installing software and setting up printing from a Windows-based computer running Windows 95, Windows 3.1x, or Windows NT 4.0.

The general steps for installing the Fiery ZX software are:

- Install the Adobe PostScript printer driver (Windows 95 and Windows 3.1x) or Windows PostScript printer driver (Windows NT 4.0) and PostScript Printer Description file (PPD) (for all Windows systems).
- Set up the printer driver to communicate with the Fiery ZX.
- For Windows 95 and Windows NT 4.0, install the Fiery utilities (Fiery Downloader, Fiery Print Calibrator, and Fiery Spooler) and Fiery Scan plug-in.
- For the designated Windows NT 4.0 workstation(s), install the Command WorkStation software.
- Configure the connection for Fiery Downloader, Fiery Print Calibrator, Fiery Scan, and the Command WorkStation.
- Configure the connection for Fiery Spooler.
- Copy additional color reference and application files from the User Software CD as needed.

Installing Windows software

The Instalrs folder on the User Software CD contains the following installer folders:

- Calib— Fiery Print Calibrator installer
- Download— Fiery Downloader installer
- PS_drvr— Adobe PostScript printer driver installer for Windows 95 or for Windows 3.1x, and Fiery ZX PPD file for all Windows systems
- Scan— TWAIN module installer, which enables you to use the Fiery Scan plug-in for Adobe Photoshop
- Spooler— Fiery Spooler installer

In addition, the User Software CD includes various color files. These files must be copied or installed from the CD and placed in the appropriate locations on your hard disk (see “Copying color files from the User Software CD” on page 44):

- ICM printer profile
- Separation Tables and a monitor settings file for use with Adobe Photoshop
- A sample calibration file
- A PostScript CMYK reference file
- A PostScript PANTONE Coated Color Reference file
- RGB color reference files for specifying colors from Microsoft Word and PowerPoint
- PostScript measurements files

The Command WorkStation software CD contains the software installer. For more information, see the *Job Management Guide*.

Downloading printer files with the Installer WebTool

Installers for the printer files can be downloaded from the Fiery ZX with the Installer WebTool (if the site administrator has enabled Internet access to the Fiery ZX). For instructions, see “Using the Installer WebTool” on page 62.

Once you download the installers, the installation process is identical to installing from the User Software CD.

Setting up the Fiery ZX as a PostScript printer

To set up the Fiery ZX as a PostScript printer, you need a PostScript printer driver and the appropriate Fiery ZX PPD file.

- For Windows 95 or Windows 3.1x, install the appropriate Adobe PostScript printer driver, included with the Fiery ZX user software. Both drivers are capable of providing access to all Fiery ZX features; in addition, the Adobe PostScript printer driver for Windows 95 supports PostScript 3.
- For Windows NT systems, install the printer driver that came with your Windows system software. This driver may not support all Fiery ZX features.

This following procedures are specific to each version of Windows.

Setting up PostScript printing with Windows 95

You can use the following procedure whether you are installing from the User Software CD or with installer files downloaded using the Installer WebTool.

NOTE: If you have problems setting up the Fiery ZX, install another PostScript printer such as the Apple LaserWriter, and then install the Fiery ZX.

TO INSTALL THE ADOBE POSTSCRIPT PRINTER DRIVER FOR WINDOWS 95 :

1. **If you are installing from the CD, insert it into the CD-ROM drive and double-click the icon of the CD.**

If you are installing from the files you downloaded using the Installer WebTool, double-click the icon of your hard disk drive.

2. **If you are installing from the CD, open the English\Instalrs\Ps_drvr folders.**

If you are installing from the files you downloaded using the Installer WebTool, open the Prntdrv\Ps_drvr folders on your hard disk.

3. **Open the Win_95 folder, and double-click the Setup.exe icon.**

4. **Read the End User License Agreement. If you agree with the terms and conditions of the agreement, click Accept.**

You must click Accept before setup can continue. If you click Decline, you are prompted to either continue with setup or exit.

4 Installing User Software on a Windows Computer

5. Click Read to view the README file. When you are finished, close the README file and click Next.



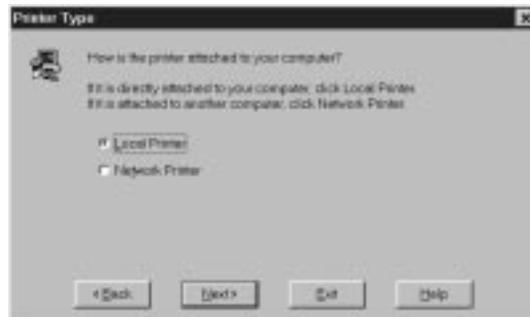
The information in this file is not specific to your Fiery ZX. You can click Next to postpone reading this file and read it later.

6. If you are installing from the CD, you may see an Install Setup Program dialog box offering you the option to copy the setup program to your hard disk. Make your choice and then click Next.

Some printer files are installed to your hard disk.

7. In the Printer Type dialog box, select Local Printer and click Next.

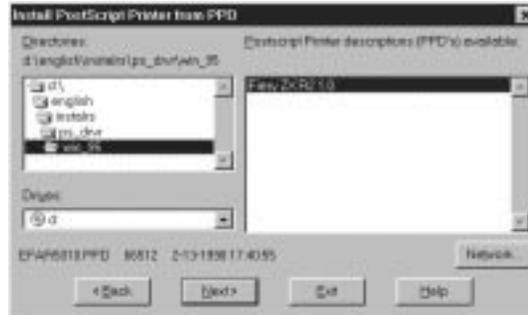
This is a general installation. You can modify the attachment later, according to your network type.



5 Setting up the Fiery ZX as a PostScript printer

8. If you are installing from the CD, in the Directories box, open the English\Instalrs\Ps_drvr\Win_95 folders.

If you are installing from the installer files you downloaded with the Installer WebTool, in the Directories box, open the Prntdrv\Ps_drvr\Win_95 folders.



9. The Fiery ZX PPD appears in the Postscript Printer descriptions (PPD's) available box. Select the Fiery ZX PPD file for your copier and click Next.

Select "Fiery ZX R2 1.0."

10. In the Available ports box, select the LPT1 port and click Next.

You will configure the port later, according to your network type.



11. Using a maximum of 20 characters, enter a name for the Fiery ZX (or leave the default name) in the Printer Name box.

This name will be used in the Printers and queue windows.

NOTE: Entering more than 20 characters may cause printing problems with some network applications.



12. If you want the Fiery ZX to be the default printer select Yes; if not, select No.
13. Select No to printing the test page and click Next.

You will print the test page after you finish configuring the printer.

The necessary files are installed to your hard disk. When installation is complete, the Properties dialog box appears.

14. Click OK.
15. Click Exit.
16. Use the instructions for connecting to your network type (see “Completing the Windows 95 connection” below).

Completing the Windows 95 connection

To print from Windows 95 you need to:

- Set up network servers, if any.
- Set up the Fiery ZX to accept print jobs from your computer.
- Configure a port on each Windows 95 computer for the network or connection type.

For this type of connection:	See:
Parallel	page 7
IPX/SPX	page 11
IPX (Novell)	page 13
SMB printing	page 14

Completing the Windows 95 parallel port connection

Preparing a parallel port connection for Windows 95 requires specific BIOS settings on your computer, and specific port and printer settings for Windows 95. In addition, a change to one of the Fiery ZX Setup settings may be required if you choose to spool files to the Fiery ZX rather than print directly.

TO PREPARE THE FIERY ZX AND YOUR COMPUTER FOR PARALLEL PORT PRINTING:

1. **Connect the Fiery ZX to the parallel port on your computer.**
For instructions, see the *Configuration Guide*.
2. **In Network Setup>Port Setup>Parallel Port Setup, set Enable Parallel Port to Yes.**
For more information about Fiery ZX Setup, see the *Configuration Guide*.
3. **If you want to spool files to the Fiery ZX, set Port Timeout in Seconds to 10. If you want to print directly to the Fiery ZX, set Port Timeout in Seconds to 5.**
Setting this option to 10 seconds ensures that spooling is not interrupted due to timeout.

4. In your computer's BIOS settings, set Parallel Port Mode to ECP.

To access the BIOS settings, restart the computer and press the key indicated on your monitor as soon as the computer starts up. You may have to scroll through several screens to reach the parallel port settings. After setting the Parallel Port Mode to ECP, save your changed setting and exit.

TO PREPARE THE PRINTER FOR PARALLEL PORT PRINTING:

- 1. Click the Start button, point to Settings, and click Printers.**
- 2. Click the Fiery ZX printer icon and choose Properties from the File menu.**
- 3. Click the Details tab, and in the Print to the following port pop-up menu, select LPT 1: (ECP Printer Port).**

NOTE: Check this selection carefully. It may read LPT 1: (Printer Port), which is *not* equivalent to LPT 1: (ECP Printer Port).

If this box does *not* read LPT 1: (ECP Printer Port), change the port setting now, as described in "To prepare the port for parallel port printing:" on page 9, and then return to this procedure. You may need your Windows 95 system CD.

- 4. If you changed the selection in the Print to the following port pop-up menu, click Apply.**

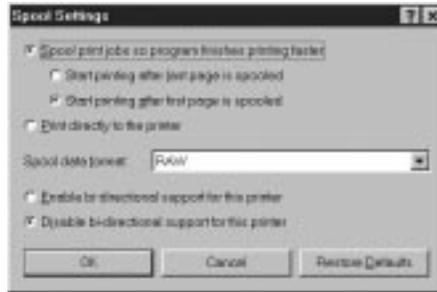
A Warning dialog box may appear, stating that fonts you downloaded to the previously selected port may be lost; click OK.

- 5. Click Spool Settings.**
- 6. Select either "Spool print jobs so program finishes printing faster" or "Print directly to the printer".**

The selection you make depends on the action you took in step 3 on page 7:

- If you set the Port Timeout in Seconds to 10, you can select either option; however, spooling is faster.

- If you set the Port Timeout in Seconds to 5, select “Print directly to the printer”.



7. Select “Disable bi-directional support for this printer” and click OK.
8. Click Apply.
You are now ready to print from your applications to the Fiery ZX with the parallel port. To confirm the connection, print a Windows 95 test page.
9. Click the General tab.
10. Click Print Test Page and click OK.

Perform the following procedure only if the LPT 1 port is *not* currently set to ECP Printer Port.

TO PREPARE THE PORT FOR PARALLEL PORT PRINTING:

1. Click the Start button, point to Settings, and click Control Panel.
2. Double-click System.
The System Properties window appears.
3. Click the Device Manager tab.

4. Double-click Ports.

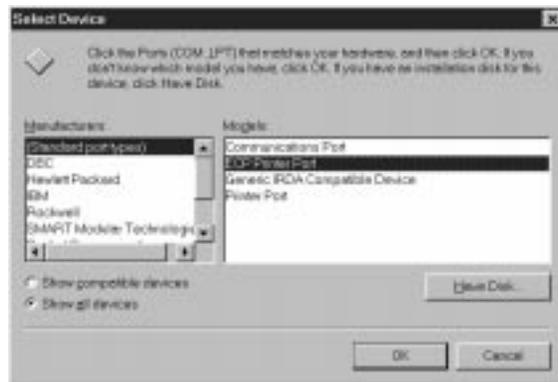


5. Double-click the port with (LPT1) in its name.

6. In the (LPT1) Properties dialog box click the Driver tab and then click Change Driver.

7. Select Show all devices.

8. From the Manufacturers list, select "(Standard port types)". From the Models list, select "ECP Printer Port" (not Printer Port). Click OK.



9. **Click OK in the (LPT1) Properties dialog box.**

NOTE: You might need to insert the Windows 95 system CD to complete this step depending on whether the required files are on your hard disk.

10. **When prompted to restart the computer, click Yes.**

After Windows 95 restarts, you can complete the procedure described in "To prepare the printer for parallel port printing:" on page 8.

Completing the Windows 95 IPX/SPX or IPX (Novell) connection

If you are printing through a Novell server, the Novell network and file server should be set up before you begin. The file server should be configured with a print server and print connection for the Fiery ZX. For details see your NetWare documentation and the *Configuration Guide*.

You can also use Fiery Downloader to print directly to the Fiery ZX from Windows 95 with IPX/SPX.

TO SET UP IPX/SPX PRINTING:

1. **Open the Windows 95 Control Panel.**
2. **Double-click the Network icon.**

Make sure that IPX/SPX-compatible Protocol and TCP/IP protocol are both listed in the Installed Network Components section.

For instructions, see your Windows 95 documentation.

NOTE: You must enable TCP/IP printing to ensure that all files required for IPX/SPX will be installed. You can select it and click Remove after you set up IPX/SPX if you do not need to use the TCP/IP protocol.

3. Double-click the IPX/SPX-compatible Protocol icon.



4. Click the Advanced tab.
5. In the Property list, click Frame Type. In the Value pop-up menu, select the Frame Type that corresponds to the one set during Fiery ZX Network Setup.

If necessary, print the Configuration page from the Control Panel to check which Frame Type(s) are configured.

NOTE: Do not select Auto. Doing so may not select the Frame Type specified on the Fiery ZX.



6. Click OK and close the Network Control Panel.

To SET UP IPX (NOVELL) PRINTING WITH WINDOWS 95:

1. Click the Start button, choose Settings, and then choose Printers.
2. Click the Fiery ZX icon, and choose Properties from the File menu (or right-click the icon and left-click Properties).
3. Click the Details tab and click Add Port.
A list of connection options is displayed.
4. In the Add Port dialog box, specify the network path, or click Browse for a display of your network environment.
5. If you are using a NetWare file server, double-click the icon of the NetWare file server you want to use for printing to the Fiery ZX and click OK.
6. Click the printer icon labeled with the NetWare print queue you will use and click OK.

7. **In the Add Port dialog box, verify that the network path is updated and click OK.**

You are ready to print from the workstation.

Your print jobs are transmitted to the specified print queue on the Novell file server. The Fiery ZX polls the file server, and if jobs are present, they are transmitted to the Fiery ZX.

To confirm the connection, you can print a Windows 95 test page.

8. **Click the General tab, and click Print Test Page.**
9. **Click OK.**

Completing the SMB printing connection

If you don't have a Novell network, you can print via SMB printing (also known as Windows printing or WINS printing). Printing by this method allows you to print from your computer to a particular queue (Hold, Print, or Direct) on the Fiery ZX.

To set up printing to a second or third queue, you must install a new printer for each queue and repeat the procedure "To set up SMB printing:" on page 16. If you install more than one printer, give each a descriptive name during printer driver installation, such as Astro-Print or Astro-Hold, so you can easily identify printers.

BEFORE YOU BEGIN:

1. **Configure the Fiery ZX for SMB printing in Network Setup>Service Setup>Windows Setup.**

SMB printing is referred to as Windows Printing in Setup, on the Control Panel Map, and on the Configuration page. For more information, see the *Configuration Guide*.

2. **Print the Fiery ZX Configuration page.**

You need information from the Configuration page to specify settings on your computer, such as the Server Name and IP address of the WINS Name Server.

3. **Save any documents in open programs.**

You are prompted to restart Windows after this procedure, so be sure to save any documents.

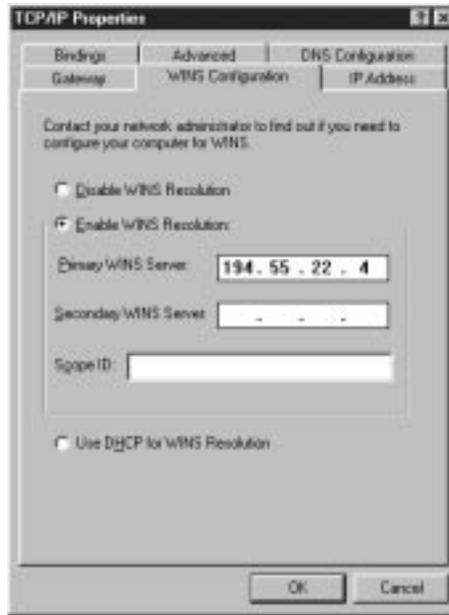
TO PREPARE YOUR COMPUTER FOR SMB PRINTING:

1. Click Start, choose Settings, and click Control Panel.
2. Double-click the Network icon.
3. Select TCP/IP and click Properties.



4. Click the WINS Configuration tab.

5. Select “Enable WINS Resolution” and enter the TCP/IP address of the WINS Name Server.



6. Click OK, and click OK at the Network dialog box.

You are prompted to restart Windows. Click Yes, and when Windows restarts, continue with the following procedure.

TO SET UP SMB PRINTING:

1. Click the Start button, choose Settings, and click Printers.
2. Click the icon for the printer and choose Properties from the File menu.
3. Click the Details tab in the Properties window and click Add Port.

A list of connection options is displayed.

4. In the Add Port dialog box, click **Browse** to display your network environment.
5. Expand the levels to locate your printer and the queue to which you want to print.



The printer name you are browsing for is the name entered in Network Setup>Service Setup>Enable Windows Printing>Server Name, not the Server Name entered in Server Setup. Refer to the Configuration page for this information.

The amount of network traffic determines the amount of time required for the Browse function.

6. **Select the queue under the printer and click OK.**
7. **In the Add Port dialog box, verify that the network path is correct and click OK.**
8. **To confirm the connection, click the General tab in the Properties dialog box.**
9. **Click Print Test Page, and click OK.**

If the test page prints successfully, you are ready to print from the computer.

Setting up PostScript printing with Windows 3.1x

You can use the following procedure whether you are installing from the User Software CD or with installer files downloaded using the Installer WebTool.

TO INSTALL THE FIERY ZX PPD FILE FOR WINDOWS 3.1X:

1. In the Main window, double-click the Control Panel icon.
2. Double-click the Adobe PostScript Printers icon.

The Install PostScript Printer from PPD dialog box appears.

NOTE: If there is no Adobe PostScript Printers icon in the Control Panel window, you need to install the Adobe PostScript printer driver from the User Software CD. Proceed to the procedure "To install the Adobe PostScript printer driver for Windows 3.1x:" on page 18.

3. If you are installing from the CD, in the Drives box, select the drive containing the CD.

If you are installing from the installer files you downloaded with the Installer WebTool, in the Drives box, select your hard disk drive.

4. If you are installing from the CD, in the Directories box, double-click to open the English\Instalrs\Ps_drvr\Win_31 folders.

If you are installing from the installer files you downloaded with the Installer WebTool, in the Directories box, double-click to open the Prntdrv\Ps_drvr\Win_31 folders.

5. Select the Fiery ZX PPD from the Printer Descriptions available box and click Install. Select "Fiery ZX R2 1.0."
6. Click OK when you are notified that the printer was successfully installed.

TO INSTALL THE ADOBE POSTSCRIPT PRINTER DRIVER FOR WINDOWS 3.1X:

1. Exit all applications and close all windows.
2. Insert the User Software CD into the CD-ROM drive.

3. In the Windows Program Manager, choose Run from the File menu, and then click Browse.
4. Select the drive containing the User Software CD and double-click to open the English\Instalrs\P_s_drvr\Win_31 folders.
5. Select the Setup.exe file, and click OK.
6. Click OK in the Run dialog box.
The README.WRI dialog box appears.
7. Click Read to view the README file. When you are finished, close the README file and click Continue.
The necessary files are installed to your hard disk. When installation is complete, the PostScript Printer Driver Setup dialog box appears.
8. Click Restart Windows. After the computer restarts, return to the procedure “To install the Fiery ZX PPD file for Windows 3.1x:” on page 18.

Completing the Windows 3.1 x connection

To print from Windows 3.1x you need to:

- Configure a port on each Windows 3.1x computer for the network or connection type.
- Complete setup for the network type you are printing over.
- Set up the Fiery ZX to accept print jobs from your computer.

Setting the Fiery ZX as the default printer with Windows 3.1 x

You can specify the Fiery ZX as the default printer. Many Windows applications use the default printer when you choose the Print command.

TO SET THE FIERY ZX AS THE DEFAULT PRINTER:

1. In the Control Panel window, double-click the Printers icon.
The Printers window appears.
2. Select the Fiery ZX from the Installed Printers box.

3. Click Set As Default Printer.

The Fiery ZX appears in the Default Printer area of the Printers window.

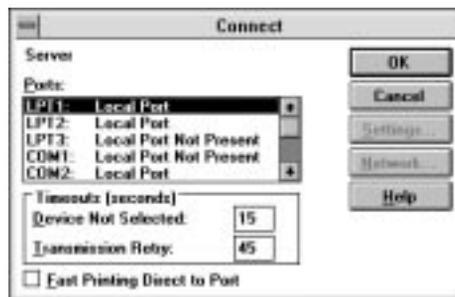
Selecting a printer port with Windows 3.1x

When you install a printer, Windows assigns it to a default printer port. If the Fiery ZX is connected to your computer through a network or you want to assign it to a different port, you need to change the port assignment. Check with your system administrator about which port to use.

You can also use this procedure to enable printing with the parallel port.

TO SELECT A PRINTER PORT:

1. In the Control Panel window, double-click the Printers icon.
2. In the Printers window, select the Fiery ZX in the Installed Printers list box.
3. Click Connect.



4. Connect the Fiery ZX to the same port as your network.

For parallel printing, select the port (LPT1, LPT2, or LPT3) connected to your parallel cable.

To print to a file, select FILE. Printing to a file is useful if the Fiery ZX is elsewhere or off-site. However, if you select the FILE port, you cannot print to a printer until you select a network or printer port. (In some applications, you can select the FILE port from the Print dialog box; this is preferable for temporary use since it doesn't require resetting the port in the Control Panel.)

21 Setting up the Fiery ZX as a PostScript printer

5. Click OK.

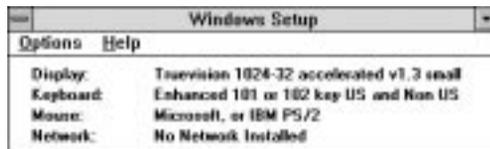
The Printers window appears again, with the selected port next to the selected printer name in the Installed Printers list box.

6. When you are finished, click OK and then click Close.

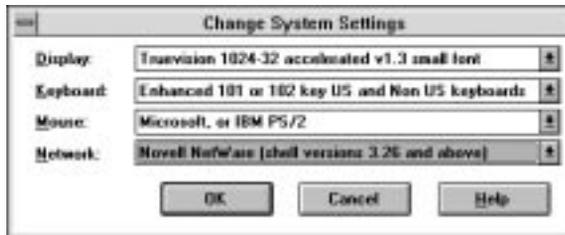
Setting up IPX (Novell) printing with Windows 3.1x

TO SET UP IPX (NOVELL) PRINTING:

1. In the Main group of the Windows Program Manager, double-click the Windows Setup icon.
2. From the Options menu, choose Change System Settings.



3. From the Network pop-up menu, choose Novell NetWare (shell versions 3.26 and above).



4. Click OK. When prompted, restart Windows.
5. In the Main group, double-click Control Panel, then double-click Printers.
6. In the Printers Control Panel window, select the Fiery ZX and click Connect.

7. Click Network.

If you are printing to a file, select FILE. Printing to a file is useful if the printer is elsewhere or off-site. However, if you select the FILE port, you cannot print to a printer until you select a network or printer port. If you select Network, the next window depends on the NetWare client driver version.

8. If the Network Printer Connections dialog box is displayed, select the port in the Printer connections box.**9. In the Available queues list box, select the server and queue name that correspond to the Fiery ZX.****10. Click the Capture button, then click the Close button.**

The Connect dialog box is displayed with the network path to the Fiery ZX.

11. Click OK in the Connect dialog box.

The Printers window appears again, with the selected port next to the selected printer name in the Installed Printers list box.

12. Click Close in the Printers dialog box.

You are now ready to print to the Fiery ZX from Windows applications. When you select Print, jobs are routed to the print queue on the NetWare file server, and then transmitted to the Fiery ZX. The network administrator should verify the network connection by printing a test document from each networked computer that will use the Fiery ZX.

Setting up PostScript printing with Windows NT 4.0

To set up Windows NT 4.0 printing, install the Windows NT PostScript printer driver and configure printing for your network type. Fiery ZX printer files support Intel-based Windows NT 4.0.

Some features of the Fiery ZX may not be available when using the Windows NT PostScript printer driver. For details, see the *Printing Guide*.

You can use the following procedure whether you are installing from the User Software CD or with installer files downloaded using the Installer WebTool.

TO INSTALL THE FIERY ZX PPD AS A LOCAL PRINTER WITH THE WINDOWS NT 4.0 POSTSCRIPT PRINTER DRIVER:

1. If you are installing from the CD, insert it into the CD-ROM drive.
2. Click **Start** in the Windows NT taskbar, choose **Settings**, and then choose **Printers**.
3. Double-click **Add Printer**.
4. To install a printer locally, select **My Computer** and click **Next**.



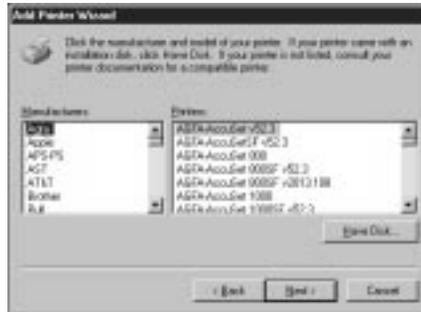
“My Computer” is available if you logged in to a computer on which you have Administrator privileges. If it is not available, you can add a network printer. The procedure is similar to adding a port (see page 29).

5. **Check LPT1: and click Next.**

This is a general installation that works for the parallel port connection. You can add a network port later, according to your network type.



6. In the dialog box displaying lists of manufacturers and printers, click **Have Disk**.



The Install from Disk dialog box prompts you for the disk.



7. If you are installing from the CD, type the name of the CD-ROM drive (for example, D:\), and click **Browse**.

If you are installing from the installer files you downloaded with the Installer WebTool, type the name of your hard disk drive (for example, C:\), and click **Browse**.

8. If you are installing from the CD, browse to the English\Instalrs\Ps_drvr\WIN_NT4x folder and click **Open**.

If you are installing from the installer files you downloaded with the Installer WebTool, browse to the Prntdrv\Ps_drvr\WIN_NT4x folder and click **Open**.

Make sure "Ntprint.inf" is selected and appears in the Look in box.

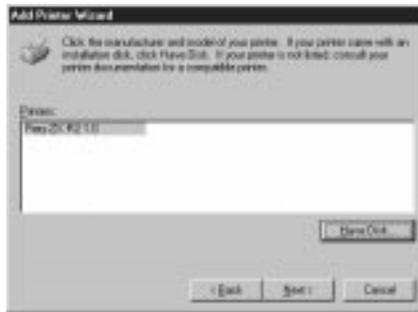
The path is copied to the Install from Disk dialog box.

9. Verify the path is correct, and click OK.



10. In the Printers box, select the Fiery ZX PPD file and click Next.

Select "Fiery ZX R2 1.0."



11. Using a maximum of 20 characters, enter a name for the Fiery ZX (or leave the default name) in the Printer name box, and choose whether you want the Fiery ZX to be your default printer. Click Next.

NOTE: Entering more than 20 characters may cause printing problems with some network applications.



12. Indicate whether you want the printer installed as a shared printer. Click Next.



If you select Shared, you must also enter a Share Name for the printer (or leave the default name) and make selections from the list of operating systems used by client workstations. For information on shared printers, see the *Configuration Guide*.

13. Click No in the next dialog box to postpone printing a test page, and click Finish.

If the Files Needed dialog box appears, it prompts you to locate the Windows NT PostScript driver Pscript.dll.



**TO COMPLETE INSTALLATION OF THE WINDOWS NT 4.0 POSTSCRIPT
PRINTER DRIVER:**

1. If this is the first PostScript printer on your system:
 - Eject the User Software CD and insert the Windows NT Installation CD.
 - In the text field, type the name of the CD-ROM drive (for example, D:), and click Browse.
 - Browse to i386 (the folder containing the PostScript driver).

If you have already installed a PostScript printer on your system:

- In the text field, type the name of the hard drive (for example, C:), and click Browse.
- Browse to winnt\system32\spool\drivers\w32x86 (the folder containing the PostScript driver).

2. Click OK, then click OK in the Files Needed dialog box.

When installation is complete, the Printers window appears with an icon for the newly installed printer.

3. Complete the printer connection according to your network type.

To do this:	See:
Configure the parallel connection	"Completing the Windows NT 4.0 parallel port connection" below
Configure the TCP/IP (lpr port) connection	"Completing the Windows NT 4.0 TCP/IP connection" on page 28
Configure the IPX (Novell) connection	"Completing the Windows NT 4.0 IPX (Novell) connection" on page 30

Completing the Windows NT 4.0 printer connection

To print from Windows NT 4.0 you need to:

- Set up network servers, if any.
- Set up the Fiery ZX to accept print jobs from your computer.
- Configure a port on each Windows NT computer for the network or connection type.

Completing the Windows NT 4.0 parallel port connection

The parallel port cable connects the Fiery ZX to a single computer. Once you have installed the Windows NT PostScript printer driver and the Fiery ZX PPD, complete the setup for parallel port printing.

TO SET UP PARALLEL PRINTING FOR WINDOWS NT 4.0:

1. **Click the Start button, choose Settings, and then choose Printers.**

2. **Double-click the Fiery ZX icon and choose Properties from the Printer menu.**

In the Ports tab, confirm that LPT1 (Local Port) is checked.

The Fiery ZX is ready to accept parallel print jobs from your computer, using the Windows NT PostScript printer driver and the Fiery ZX PPD.

3. **Click the General tab and click Print Test Page.**

When you select print, your files are transmitted over the parallel port connection to the Fiery ZX.

4. **Click the Sharing tab if you want to share the Fiery ZX with network users. Select Shared, and select a share name.**

Select the operating system or systems used by your network clients if you want to install a printer driver that those clients can download.

5. **Click OK to exit the Printer Properties dialog box.**

Completing the Windows NT 4.0 TCP/IP connection

Once you have installed the Windows NT 4.0 PostScript printer driver and the Fiery ZX PPD, complete the setup for the TCP/IP and lpr connection as follows:

- Prepare the Fiery ZX to accept print jobs using TCP/IP and lpr protocols. (For details, see the *Configuration Guide*.)
- Configure the workstation for the TCP/IP connection.

Before you continue, ask the system administrator for the IP address assigned to the Fiery ZX, as well as the subnet mask and the gateway address, if they are used.

The TCP/IP Protocol and Microsoft TCP/IP Printing software should already be installed on the Windows NT workstation.

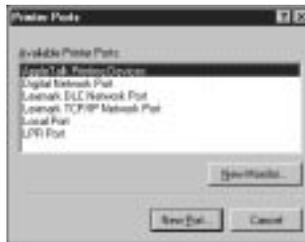
TO SET UP TCP/IP AND LPR PRINTING FOR WINDOWS NT 4.0:

1. Open the Properties dialog box for the Fiery ZX, and click the Ports tab.



2. Click Add Port.

The available port types are displayed.



3. Select LPR Port and click New Port.

If the LPR port is not listed, install the TCP/IP protocols. See the *Configuration Guide* or your Windows NT documentation.

4. Enter the IP address of the Fiery ZX.



If your network uses Domain Name Services (DNS), enter the DNS name assigned to the Fiery ZX instead of the IP address.

5. Press Tab and type the internal name of the Fiery ZX.

This name must be one of the following: `print_r2`, `hold_r2`.

NOTE: This name is case-sensitive; type it *exactly* as shown above.

6. Click OK.

The workstation checks the address or DNS name you entered and notifies you if it cannot resolve the address.

7. Click Close in the Printer Ports dialog box.

The new port configuration is reflected in the Ports tab. You should now print a test page to verify the connection.

8. Click the General tab and click Print Test Page.

When you print, your PostScript files are transmitted over the LPR Port connection to the Fiery ZX.

9. Click OK to close the Printer Properties dialog box.

Completing the Windows NT 4.0 IPX (Novell) connection

Complete the setup for the IPX (Novell) connection as follows:

- Configure the Novell network and file server for handling Fiery ZX print jobs. The file server should be configured with a print server and print connection for the Fiery ZX. For details, see your NetWare documentation.
- Prepare the Fiery ZX for IPX printing.
- Set up the IPX connection on the workstation.

NetWare protocols (NWLink IPX/SPX Compatible Transport) and NetWare client services should already be installed on the Windows NT workstation.

TO SET UP IPX (NOVELL) PRINTING FOR WINDOWS NT 4.0:

1. **Double-click Network Neighborhood.**
2. **Double-click NetWare or Compatible Network.**

A list of NetWare servers is displayed.



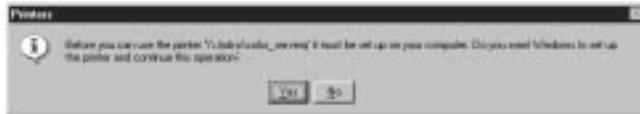
3. **Double-click the NetWare Tree or File Server on which the network administrator defined a print connection for the Fiery ZX.**

You may have to log in to the file server as a guest to see the print connections.

4. **Double-click the print connection defined for the Fiery ZX.**

If the NetWare server does not have a suitable driver for the Fiery ZX you may be asked if you want to set up the printer on your workstation.

5. **Click Yes.**



The Add Printer Wizard appears.

6. **Specify if you print from MS-DOS programs and click Next.**

If you select Yes, you will need to capture a printer port before continuing.

7. **Install the Fiery ZX PPD (start with step 6 on page 24).**

When installation is complete, a new printer window appears, with the name of the print queue on the NetWare server.

8. Choose Properties from the Printer menu and click the Ports tab.

The NetWare queue you just connected to is listed and checked as a port for the Fiery ZX.



9. Click the General tab and click Print Test Page.

The Fiery ZX polls the NetWare server for print jobs in the print connection defined for the Fiery ZX. When you print, your PostScript files are spooled to that connection and transmitted over the queue "port" to the Fiery ZX.

The test page job is listed in the queue window until it is printed.

Installing utility, plug-in, and Command WorkStation software

The User Software CD includes software installers for three Fiery utilities and one Fiery plug-in. Fiery utility and plug-in software is supported with Windows 95 and Windows NT 4.0 only, and must be separately installed on each user's computer.

The Command WorkStation CD includes the software installer for the Command WorkStation. Command WorkStation software is supported with Windows NT 4.0 only. It should be installed only on workstations that are designated for Command WorkStation use.

Fiery Downloader and Fiery Print Calibrator

The installers for two of the Fiery utilities (Fiery Downloader and Fiery Print Calibrator) are the same. Before you begin each installation, determine the following:

- Where do you want to install the utility on your hard disk?

By default, the installer places the utility in a folder named “Fiery” on the top level of your hard disk.

- What do you want to name the utility folder in the Windows\Start Menu\Programs folder?

By default, the installer names the folder “Fiery.”

TO INSTALL FIERY DOWNLOADER AND FIERY PRINT CALIBRATOR:

1. On the User Software CD, browse to the English\Installs folder.
2. If you are installing Fiery Downloader, double-click to open the Download\Disk1 folders.

If you are installing Fiery Print Calibrator, double-click to open the Calib\Disk1 folders.

3. Double-click the Setup.exe icon.
4. Follow the instructions in the Setup dialog boxes to complete installation.

Name of dialog box



Instructions

Click when finished

Use the table below as a guide when installing Fiery Downloader and Fiery Print Calibrator. For specific instructions, read the information in each dialog box.

Name of dialog box:	Action:	When finished:
Welcome	Read the Setup program introduction.	Click Next.
Choose Destination Location	Specify a hard disk location for the installed utility software.	Click Next.
Select Program Folder	Specify a folder name for the utility software located in the Programs menu.	Click Next.
Start Copying Files	Verify the information in the Current Settings area.	Click Next.
Information	Acknowledge that the software installation is complete.	Click OK.

Fiery Spooler

The installer for Fiery Spooler is slightly different from the installers for Fiery Downloader and Fiery Print Calibrator. In addition to the Fiery Spooler utility software, the installer also installs Java files necessary to use Fiery Spooler. Before you begin this installation, determine the following:

- Where do you want to install the utility on your hard disk?

By default, the installer places the utility in a folder named “FierySpooler” on the top level of your hard disk.

- What do you want to name the utility folder in the Windows\Start Menu\Programs folder?

By default, the installer names the folder “FierySpooler.”

TO INSTALL FIERY SPOOLER:

1. **On the User Software CD, double-click to open the English\Instalrs\Spooler\ Disk1 folders.**
2. **Double-click the Setup.exe icon.**
3. **Follow the instructions in the Setup dialog boxes to complete installation of Fiery Spooler.**

Use the table below as a guide when installing Fiery Spooler. For specific instructions, read the information in each dialog box.

Name of dialog box:	Action:	When finished:
Welcome	Read the Setup program introduction.	Click Next.
Choose Destination Location	Specify a hard disk location for the installed utility software.	Click Next.
Select Program Folder	Specify a folder name for the utility software located in the Programs menu.	Click Next.
Start Copying Files	Verify the information in the Current Settings area.	Click Next.
Java (TM) Support	Indicate that you want to install Java files onto your hard disk. These files are necessary for using Fiery Spooler.	Click Yes.
Java (TM) Support	Read the License Agreement.	Click Yes.
Java (TM) Support	Acknowledge that the installation of Java files is complete.	Click OK.
Java (TM) Support	Indicate that you want to restart your computer in order to use the Fiery Spooler software.	Click Yes.

Fiery Scan

The Scan folder contains the TWAIN Fiery Scan module installer. This installer automatically creates a folder named Twain_32 in the Windows folder on your hard disk, and then installs the Fiery Scan plug-in module into that folder.

You can access the Fiery Scan plug-in from Adobe Photoshop using the TWAIN module. For details, see the *Printing Guide*.

NOTE: Before installing the TWAIN Fiery Scan module, make sure the TWAIN plug-ins (installed with Adobe Photoshop software) are located in the correct Photoshop\Plugins subfolder. If the TWAIN plug-ins have been deleted, you must reinstall Adobe Photoshop software in order to use Fiery Scan.

TO INSTALL THE TWAIN FIERY SCAN MODULE:

1. On the User Software CD, double-click to open the English\Instalrs\Scan\Disk1 folders.
2. Double-click the Setup.exe icon.
3. Follow the instructions in the Setup dialog boxes to complete installation of the TWAIN Fiery Scan module.

Use the table below as a guide when installing the TWAIN Fiery Scan module. For specific instructions, read the information in each dialog box.

Name of dialog box:	Action:	When finished:
Welcome	Read the introduction.	Click Next.
Information	Acknowledge that the software installation is complete.	Click OK.

Command WorkStation

The Command WorkStation software installer is on the Command WorkStation CD. In addition to the Command WorkStation application software, the installer installs Java files necessary to use Fiery Setup on the Command WorkStation. Before you begin this installation, determine the following:

- Where do you want to install the software on your hard disk?

By default, the installer places the Command WorkStation software in a folder named “Cstation” on the top level of your hard disk.

- What do you want to name the Command WorkStation folder in the Windows\Start Menu\Programs folder?

By default, the installer names the folder “Command WorkStation.”

- Do you want to place a shortcut to the Command WorkStation application in your Windows\Start Menu\Programs\StartUp folder?

Placing a shortcut in the StartUp folder automatically launches the Command WorkStation application every time you restart your computer.

TO INSTALL COMMAND WORKSTATION SOFTWARE:

1. **On the Command WorkStation CD, double-click to open the English\ Disk1 folders.**
2. **Double-click the Setup.exe icon.**
3. **Follow the instructions in the Setup dialog boxes to complete installation of Command WorkStation software.**

Use the table below as a guide when installing Command WorkStation software. For specific instructions, read the information in each dialog box.

Name of dialog box:	Action:	When finished:
Welcome	Read the Setup program introduction.	Click Next.
Choose Destination Location	Specify a hard disk location for the installed Command WorkStation software.	Click Next.
Select Program Folder	Specify a folder name for the Command WorkStation software located in the Programs menu.	Click Next.
Start Copying Files	Verify the information in the Current Settings area.	Click Next.

Name of dialog box:	Action:	When finished:
Question	Indicate if you want to place a shortcut to the Command WorkStation application in your StartUp folder.	Click Yes or No.
Java (TM) Support	Indicate that you want to install Java files onto your hard disk. These files are necessary for using Fiery Setup on the Command WorkStation.	Click Yes.
Java (TM) Support	Read the License Agreement.	Click Yes.
Java (TM) Support	Acknowledge that the software installation is complete.	Click OK.
Java (TM) Support	Indicate that you want to restart your computer in order to use the Command WorkStation software	Click Yes.

Using the software for the first time

Before you can use the newly installed software, you must properly configure the connection to the Fiery ZX.

Configuring the connection for Fiery Downloader, Fiery Print Calibrator, Fiery Scan, and the Command WorkStation

The first time you launch Fiery Downloader, Fiery Print Calibrator, Fiery Scan, or the Command WorkStation, you are prompted to configure the connection to the Fiery ZX.

NOTE: The same configuration is used when connecting to Fiery Downloader, Fiery Print Calibrator, Fiery Scan, and the Command WorkStation, so any change affects all four types of software.

BEFORE YOU BEGIN:

- **If you are using IPX/SPX, print the Configuration page from the Control Panel and note the IPX address for the Fiery ZX.**

In general, you should use the Ethernet IPX address. If you are connected through a Token Ring network, use the Token Ring IPX address.

- **If you are using TCP/IP, print the Configuration page from the Control Panel and note the IP Address of the Fiery ZX.**

You can also set up a Domain Name Server (DNS) for the IP address of the Fiery ZX in the printcap file and use that name. See your Windows system documentation for information.

TO CONFIGURE THE CONNECTION FOR FIERY DOWNLOADER, FIERY PRINT CALIBRATOR, FIERY SCAN, AND THE COMMAND WORKSTATION:

1. **Launch Fiery Downloader, Fiery Print Calibrator, or the Command WorkStation by double-clicking its icon or by choosing it from the Start>Programs menu.**

Launch Photoshop, and open Fiery Scan (for details, see the *Printing Guide*).

2. **Click OK.**



3. **Enter the appropriate information for the Fiery ZX.**

Nickname—Enter a name for the Fiery ZX. This name can be any name you wish; it does not have to match the actual Server Name of the Fiery ZX.

NOTE: The Nickname cannot contain any of the following seven characters:

[] _ " ' <space> <tab>

Protocol—Choose the type of network protocol you are using from the pop-up menu.

NOTE: Command WorkStation software is supported only from Windows NT 4.0 over TCP/IP.

Server Name—If you are using the TCP/IP protocol, enter the IP address (or DNS name) of the Fiery ZX. If you are using the IPX protocol, enter the actual Server Name of the Fiery ZX as it was defined during Server Setup.

IPX Address—(This area is enabled only if you choose IPX from the Protocol pop-up menu.) Enter the IPX Address of the Fiery ZX.

New Device—Enter the name of the device that the Fiery ZX is connected to: r2.

For TCP/IP networks

For IPX/SPX networks

4. When you have entered all the information, click **Add**.

5. With the r2 device name selected in the Devices list, click OK.

The Fiery ZX appears in the list of available servers.



6. With the r2 device name selected in the list, click OK to begin using the software.

Modifying the configuration

You should edit the configuration whenever there is any information change to your Fiery ZX server or network, such as a Server Name, IP Address/IPX Address, or device change. First change the specific Fiery ZX Setup information before configuring the connection.

TO MODIFY THE CONFIGURATION:

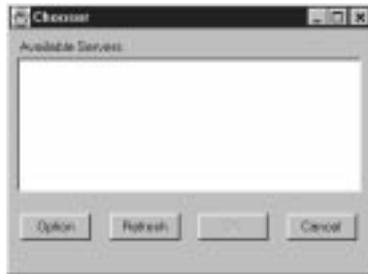
1. To edit information for a Fiery ZX in the list of available servers, select the Fiery ZX by its nickname and click **Modify**. Edit information in the **Modify Server Settings** dialog box as necessary, and click **OK** when finished.
2. To add a new Fiery ZX to the list of available servers, click **Add**. Configure the **Add New Server** dialog box as outlined in step 3 through step 5 above.
3. To remove a Fiery ZX from the list of available servers, select the Fiery ZX by its nickname and click **Remove**; then click **Yes** in the **Remove** dialog box.

Configuring the connection for Fiery Spooler

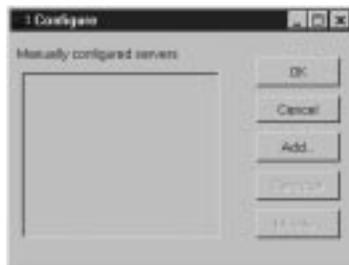
The first time you launch Fiery Spooler, you are prompted to configure a connection to the Fiery ZX. This configuration process is different from that for the other Fiery utilities.

To CONFIGURE THE CONNECTION FOR FIERY SPOOLER:

1. Launch **Fiery Spooler** by double-clicking its icon or by choosing it from the **Start\ Programs** menu.
2. Click **Option**.



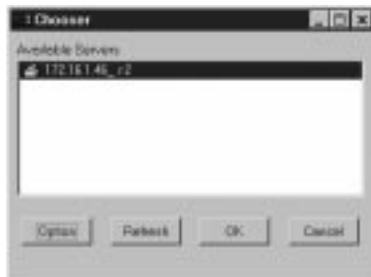
3. Click **Add**.



4. Enter the appropriate information for the **Fiery ZX**.
Name—Enter the IP address (or DNS name) of the Fiery ZX.
New Device—Enter the name of the device that the Fiery ZX is connected to: r2.



5. When you have entered all the information, click **Add**.
6. With the **r2** device name selected, click **OK**.
The **Fiery ZX** appears in a list of configured servers.
7. Click **OK** in the **Configure** dialog box.
The **Fiery ZX** appears in a list of available servers.



8. With the **Fiery ZX** selected in the list of available servers, click **OK** to begin using **Fiery Spooler**.

Modifying the configuration

You should edit the configuration whenever there is any information change to your **Fiery ZX** server or network, such as an IP Address or device change. First change the specific **Fiery ZX** Setup information before configuring the connection.

TO MODIFY THE CONFIGURATION:

1. In the Chooser dialog box, click **Option**.
2. To edit information for a Fiery ZX, select the Fiery ZX by its IP address or DNS name and click **Modify**. Edit information in the Settings dialog box as necessary, and click **OK** when finished.
3. To add a new Fiery ZX, click **Add**. Configure the Settings dialog box as outlined in step 4 through step 6 above.
4. To remove a Fiery ZX, select the Fiery ZX by its IP address or DNS name and click **Remove**.
5. Click **OK** in the Configure dialog box.

The list of available servers reflects the modifications you have made.

Copying color files from the User Software CD

You can copy additional color files from the User Software CD to your hard disk. Many of the files are PostScript files that you can download and print using Fiery Downloader.

The User Software CD contains the following color files:

Icm folder	ICM printer profile specially designed for use with the Fiery ZX, your particular copier model, and the Windows color management system. For instructions on installing this profile, see “Installing the Fiery ZX ICM printer profile for Windows 95” on page 45.
Photoshp folder	Separation Tables for use with Adobe Photoshop and the Fiery ZX. The Separation Tables match RGB-to-CMYK conversions performed in Photoshop to those performed on the Fiery ZX by color rendering dictionaries (CRDs). Calrgb.ams, a monitor settings file that sets the proper source color space. For instructions on installing these files, see “Installing files for Adobe Photoshop” on page 46.

Demo.mea	Demo Measurement, a sample measurements file for use with Fiery Print Calibrator. This file is for demonstration purposes <i>only</i> and should not be used to calibrate the Fiery ZX.
Clrfiles folder (inside English folder)	Cmyk_ref.ps, an 11-page, letter-size PostScript file to use for reference when defining CMYK colors in applications. PANTONE.ps, a 19-page, letter-size PostScript file that indicates the closest equivalent of PANTONE coated colors that the Fiery ZX and your particular copier model can produce. The method used to print the Pantone.ps file differs depending on the Spot Color Matching setting. For more information, see the <i>Printing Guide</i> and the <i>Color Guide</i> . Rgb_01.doc, a file you can print from Microsoft Word 6.0 or later to view available RGB colors. Rgb_02.ppt, a file you can print from PowerPoint 4.0 or later to view available RGB colors.
Patches folder (inside Clrfiles folder)	Letter21.ps and Letter34.ps, which are PostScript measurements files. Letter21.ps is provided to enable you to download a page with 21 measurement patches that incorporate the copier's Letter Mode; Letter34.ps is provided to enable you to download a page with 34 measurement patches that incorporate the copier's Letter Mode. These files are provided for expert users and should not be used for day-to-day calibration.

Installing the Fiery ZX ICM printer profile for Windows 95

Use the following procedure to install the Fiery ZX ICM printer profile.

NOTE: The ICM printer profile should *not* be installed for printing with the Microsoft Office 97 suite of applications. If you print from Microsoft Office 97 with the ICM profile installed, JPEG, BMP, and TIFF images print incorrectly.

For information on ICM profiles and color management, see the *Color Guide*.

TO INSTALL THE ICM PROFILE:

1. On the User Software CD, open the Icm folder.
2. Copy the ICM profile that corresponds to your copier to the Windows\System\Color folder on your hard disk.

Select "Efar5010.icm."

3. In the Color folder, right-click to select the ICM profile.
4. Choose Install in Place from the menu that appears.



The icon for the ICM profile is now white, indicating that it is installed.

Installing files for Adobe Photoshop

If you use Adobe Photoshop, install the Separation Tables and the Calrgb.ams monitor settings file for best color printing results. These files are found on the User Software CD in the Photoshop folder.

Loading the Separation Tables

The Separation Tables enable RGB-to-CMYK conversions within Photoshop that correspond to conversions performed by color rendering dictionaries on the Fiery ZX.

TO LOAD THE SEPARATION TABLES:

1. On the User Software CD, open the Photoshop folder.
2. Copy the files "R2_p.ast" and "R2_s.ast" to your Adobe Photoshop folder.
3. Launch Photoshop.

4. For Photoshop 4.0, from the File menu, choose Color Settings, and from the Color Settings submenu, choose Separation Tables.

For Photoshop 3.0, from the File menu, choose Preferences, and from the Preferences submenu, choose Separation Tables.

5. In the Separation Tables dialog box, click Load.



6. Browse to the Adobe Photoshop folder, select the appropriate file, and click Open (Photoshop 4.0) or OK (Photoshop 3.0).

Select the <copier model>p.ast file for separating *photographic* RGB images to CMYK. Select the <copier model>s.ast file for separating *solid color* RGB images to CMYK.

7. Verify that the file you selected appears after "Use Table:" in both places and click OK.



Separation tables remain loaded the next time you start Photoshop, unless you remove them.

Loading the monitor settings file

The Calrgb.ams monitor settings file for Photoshop defines the source color space for printing to the Fiery ZX and using Fiery Scan.

TO LOAD THE MONITOR SETTINGS FILE:

1. On the User Software CD, open the Photoshop folder.
2. Copy the Calrgb.ams file to your Adobe Photoshop folder.
3. Launch Photoshop.
4. For Photoshop 4.0, from the File menu, choose Color Settings, and from the Color Settings submenu, choose Monitor Setup.

For Photoshop 3.0x or Photoshop 2.5, from the File menu, choose Preferences, and from the Preferences submenu, choose Monitor Setup.

5. In the Monitor Setup dialog box, click Load.



6. Browse to your Adobe Photoshop folder, select the Calrgb.ams file, and click Open (Photoshop 4.0) or OK (Photoshop 3.0x or 2.5).

The Calrgb.ams file appears as the selection in the Monitor pop-up menu of the Monitor Setup dialog box.



7. Under Room Parameters, set Ambient Light to High and click OK.

Installing User Software on a Mac OS Computer

The general steps for installing the Fiery ZX user software and setting up printing on a Mac OS-based computer are:

- Install the Adobe PostScript printer driver and Fiery ZX PostScript Printer Description file (PPD).
- Set up the Fiery ZX in the Chooser.
- Install the Fiery utilities (Fiery Downloader, Fiery Print Calibrator, and Fiery Spooler), and Fiery Scan plug-in.
- Install the screen fonts.
- Install the ColorSync™ profiles.
- Copy additional color-reference and application-specific files from the User Software CD as needed.

Installing Mac OS software

The Installers folder on the User Software CD contains the following installer folders:

- ColorSync™ Profiles Installer—Fiery ZX ColorSync ICC profiles installer
- Fiery Downloader—Fiery Downloader installer
- Fiery Print Calibrator—Fiery Print Calibrator installer
- Fiery Scan—Fiery Scan installer, which installs the Fiery Scan (TWAIN) plug-in and Fiery TWAIN plug-in
- Fiery Spooler—Fiery Spooler installer
- Printer Driver—Adobe PostScript printer driver installer and PPD file for the Fiery ZX

NOTE: An installer is not provided for the Mac OS screen fonts; they must be copied directly from the User Software CD to the System Folder:Fonts folder on your hard disk. For instructions, see “Screen fonts” on page 55.

In addition, the User Software CD contains various color files. These files must be copied or installed from the CD and placed in the appropriate locations on your hard disk (see “Copying color files from the User Software CD” on page 55).

- A PostScript CMYK color reference file
- A PostScript PANTONE Coated color reference file
- RGB color reference files for specifying colors from Microsoft Word and PowerPoint
- PostScript measurements files
- A sample calibration file
- Separation Tables and a monitor settings file for use with Adobe Photoshop

Downloading printer files with the Installer WebTool

Installers for the Fiery ZX printer files can be downloaded from the Fiery ZX with the Installer WebTool (if the site administrator has enabled Internet access to the Fiery ZX). For instructions, see “Using the Installer WebTool” on page 62.

Once you download the installers, the installation process is identical to installing from the User Software CD.

Setting up the Fiery ZX as a PostScript printer

To set up the Fiery ZX as a PostScript printer, you must install the Adobe PostScript printer driver, and the PPD file that corresponds to your copier. The AdobePS printer driver and PPD file is provided on the User Software CD.

Printer drivers provide a way to communicate information on print jobs between your applications, the Fiery ZX, and any other PostScript printer connected to your computer.

You can use the following procedures whether you are installing from the User Software CD or with installer files downloaded using the Installer WebTool.

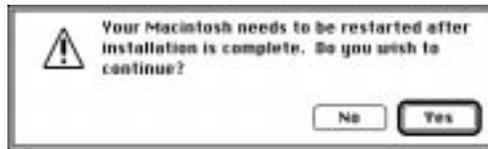
TO INSTALL THE ADOBEPS PRINTER DRIVER AND PPD FILE:

1. If you are installing from the CD, open the Installers:Printer Driver folder.

If you are installing from the installer files you downloaded with the Installer WebTool, open the Printer Driver folder on your hard disk.

2. Double-click the AdobePS Installer icon.

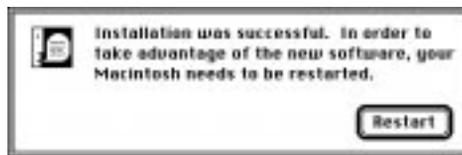
A warning dialog box appears.



3. Click Yes to continue with installation of printer driver software, and to confirm that your computer must be restarted after installation.

The AdobePS Installer installs the Adobe PostScript printer driver, the PPD file that correspond to your copier, and the Apple Chooser.

4. Click Restart when installation is complete.



NOTE: If you operate the Fiery ZX in a copy shop, quick print shop, or service bureau, you might want to provide copies of the printer driver, PPD file, separation tables, and relevant documentation to customers. This ensures that jobs they create and print to files are properly formatted for printing to the Fiery ZX.

Setting up the Fiery ZX in the Chooser

After you install the AdobePS printer driver and PPD file (see “Setting up the Fiery ZX as a PostScript printer” on page 50), you need to set up the Fiery ZX in the Chooser in order to take full advantage of its features. This section describes how to set up the Fiery ZX with the AdobePS printer driver.

TO SET UP THE FIERY ZX IN THE CHOOSER:

1. **Select Chooser from the Apple menu.**
2. **Click the AdobePS icon.**
Make sure AppleTalk is set to Active.
3. **Select the correct AppleTalk Zone, if necessary.**
4. **Select the Fiery ZX by <Server Name>_<Device Name>_<Queue Name> from the “Select a PostScript Printer” list, and click Setup.**

The AdobePS printer driver automatically selects the correct PPD file for your Fiery ZX.

NOTE: If you enabled all three queues on the Fiery ZX (Direct, Hold, and Print), you will need to set up each connection separately; repeat step 4 for all enabled queues.

5. **Close the Chooser.**

Installing ColorSync, utility, and plug-in software

The Mac OS installers function essentially the same for each type of software. Before you begin each installation, determine where you want to install each item on your hard disk. By default, the installer places:

- The ColorSync Profiles in the System Folder:Preferences folder on your hard disk.
If your system uses ColorSync, you must install these profiles in a different location than the default location. You should install the ColorSync profiles only if your system uses them.
- Fiery Downloader in a folder named “Fiery” on the top level of your hard disk.
- Fiery Print Calibrator in a folder named “Fiery” on the top level of your hard disk.

- Fiery Scan on the top level of your hard disk. You are prompted to locate your Photoshop application's plug-ins folder.

The installer also creates a folder named TWAIN in your System Folder:Preferences folder, and then installs a Fiery Scan module and a Source Manager file into that folder. You must then install the Fiery Scan (TWAIN) plug-in module into your Photoshop application in order to use it.

NOTE: Before installing the Fiery TWAIN module, make sure the TWAIN plug-in (installed with Adobe Photoshop software) is located in the correct Photoshop\Plugins subfolder. If the TWAIN plug-in has been deleted, you must reinstall Adobe Photoshop software in order to use Fiery Scan.

- Fiery Spooler in a folder named "Fiery" on the top level of your hard disk.

NOTE: An installer is not provided for the Mac OS screen fonts; they must be copied directly from the User Software CD to the System Folder:Fonts folder on your hard disk. For instructions, see "Screen fonts" on page 55.

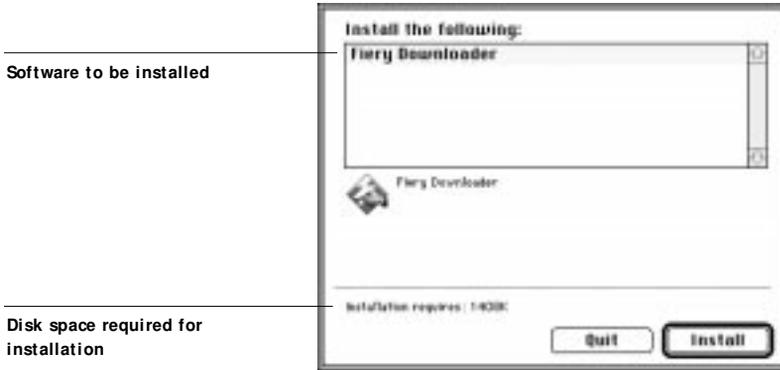
TO INSTALL MAC OS SOFTWARE:

1. On the User Software CD or your hard disk, double-click to open the Installers folder.

If you are installing:	Double-click:
ColorSync profiles	To open the ColorSync™ Profiles Installer folder
Fiery Downloader	To open the Fiery Downloader folder
Fiery Print Calibrator	To open the Fiery Print Calibrator folder
Fiery Scan	To open the Fiery Scan folder
Fiery Spooler	To open the Fiery Spooler folder

2. Double-click the Installer icon.

3. Click Install.



4. Specify the locations into which to install each item.

Use the table below as a guide when installing software.

If you are installing:	Action:	To install:
ColorSync Profiles	Browse to the System Folder: Preferences:ColorSync™ Profiles folder.	Click Install into “ColorSync™ Profiles.”
Fiery Downloader	Specify a hard disk location for the installed Fiery Downloader software.	Click Install.
Fiery Print Calibrator	Specify a hard disk location for the installed Fiery Print Calibrator software.	Click Install.
Fiery Scan	Specify where to install the Fiery Scan (TWAIN) plug-in. The folder into which you install the plug-in depends on the version of Photoshop you are using. For Photoshop 4.0, browse to the Photoshop:Plug-ins:Import/Export folder. For Photoshop 3.0x, browse to the Photoshop:Plug-ins:Acquire/Export folder. For Photoshop 2.5, browse to the Photoshop:Plug-ins folder.	Click Install into “(foldername).”
Fiery Spooler	Specify a hard disk location for the installed Fiery Spooler software.	Click Install.

5. If prompted, click **Quit** to close the software installer.

Screen fonts

The User Software CD includes screen fonts that correspond with the 136 built-in PostScript printer fonts on the Fiery ZX. In order to view and use these fonts, you must copy them from the User Software CD to your hard disk.

TO INSTALL SCREEN FONTS:

1. On the User Software CD, open the **Fonts** folder.
2. Copy the fonts that you want to install to the **System Folder:Fonts** folder on your hard disk.

If you have any applications open, you must quit and relaunch them before the newly installed screen fonts are available.

Copying color files from the User Software CD

You can copy additional color files from the User Software CD to your hard disk. Many of the files are PostScript files that you can download and print using Fiery Downloader.

The User Software CD contains the following color files:

Demo.mea	Demo Measurement, a sample measurements file for use with Fiery Print Calibrator. This file is for demonstration purposes <i>only</i> and should not be used to calibrate the Fiery ZX.
Photoshop folder	Separation Tables for use with Adobe Photoshop and the Fiery ZX. The Separation Tables match RGB-to-CMYK conversions performed in Photoshop to those performed on the Fiery ZX by color rendering dictionaries (CRDs). Calibrated RGB, a monitor settings file that sets the proper source color space. For instructions on installing these files, see “Installing files for Adobe Photoshop” on page 56.

Color Files folder	<p>CMYK Color Reference.ps, an 11-page, letter-size PostScript file to use for reference when defining CMYK colors in applications.</p> <p>PANTONE Book.ps, a 19-page, letter-size PostScript file that indicates the closest equivalent of PANTONE coated colors that the Fiery ZX and your particular copier model can produce. The method used to print the PANTONE Book.ps file differs depending on the Spot Color Matching setting. For more information, see the <i>Printing Guide</i> and the <i>Color Guide</i>.</p> <p>RGB page 01, a file you can print from Microsoft Word 6.0 or later to view available RGB colors.</p> <p>RGB page 02, a file you can print from PowerPoint 4.0 or later to view available RGB colors.</p>
Patches folder (inside Color Files folder)	<p>Letter21.ps and Letter34.ps, which are PostScript measurements files. Letter21.ps is provided to enable you to download a page with 21 measurement patches that incorporate the copier's Letter Mode; Letter34.ps is provided to enable you to download a page with 34 measurement patches that incorporate the copier's Letter Mode. These files are provided for expert users and should not be used for day-to-day calibration.</p>

Installing files for Adobe Photoshop

If you intend to use Adobe Photoshop, install the Separation Tables for best color printing results. These files are located on the User Software CD in the Photoshop folder.

Loading the Separation Tables

The Separation Tables enable RGB-to-CMYK conversions (in Photoshop), which correspond to conversions performed by color rendering dictionaries on the Fiery ZX.

TO LOAD THE SEPARATION TABLES:

1. On the User Software CD, open the Photoshop folder.
2. Copy the files "Fiery R2.P" and "Fiery R2.S" to your Adobe Photoshop folder.

3. Launch Photoshop.
4. For Photoshop 4.0, from the File menu, choose Color Settings, and from the Color Settings submenu, choose Separation Tables.

For Photoshop 3.0x or Photoshop 2.5, from the File menu, choose Preferences, and from the Preferences submenu, choose Separation Tables.

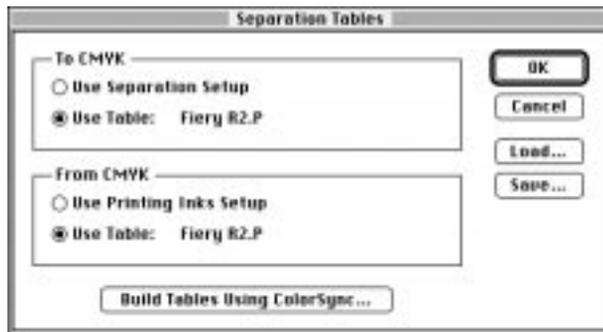
5. In the Separation Tables dialog box, click Load.



6. Browse to your Adobe Photoshop folder, select the appropriate Separation Table file, and click Open.

Select the <copier model>.P file for separating *photographic* RGB images to CMYK. Select the <copier model>.S file for separating *solid color* RGB images to CMYK.

7. Verify that the file you selected appears after “Use Table:” in both places and click OK.



Separation tables remain loaded the next time you start Photoshop, unless you remove them.

Loading the monitor settings file

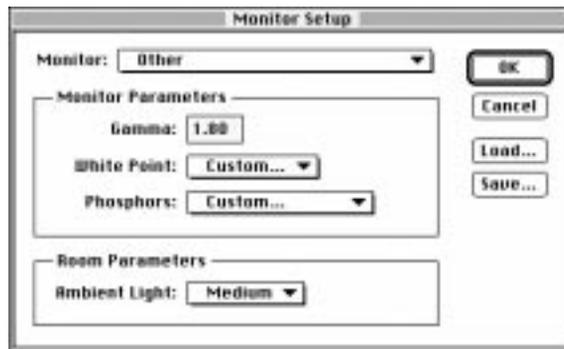
The Calibrated RGB monitor settings file for Photoshop defines the source color space for printing to the Fiery ZX and using Fiery Scan.

TO LOAD THE MONITOR SETTINGS FILE:

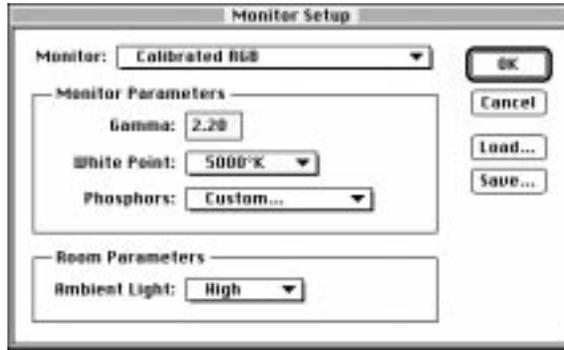
1. On the User Software CD, open the Photoshop folder.
2. Copy the Calibrated RGB file to your Adobe Photoshop folder.
3. Launch Photoshop.
4. For Photoshop 4.0, from the File menu, choose Color Settings, and from the Color Settings submenu, choose Monitor Setup.

For Photoshop 3.0x and Photoshop 2.5, from the File menu, choose Preferences, and from the Preferences submenu, choose Monitor Setup.

5. In the Monitor Setup dialog box, click Load.



6. Browse to your Adobe Photoshop folder, select the Calibrated RGB file, and click Open. The Calibrated RGB file appears as the selection in the Monitor pop-up menu of the Monitor Setup dialog box.



7. Under Room Parameters, set Ambient Light to High and click OK.

Downloading Installers with Fiery WebTools

Fiery WebTools allow you to manage your Fiery ZX remotely from the Internet or from your company's intranet. The Fiery ZX has its own home page, from which you are able to select from a variety of functions including Status, WebSpooler, WebLink, and Installer.

For more information on using Fiery WebTools, see the *Printing Guide* and the *Job Management Guide*.

Setting up Fiery WebTools

In order for network users to access and use Fiery WebTools, you need to set certain Fiery ZX options in Network Setup and Printer Setup. You also need to prepare each user's workstation to communicate with the Fiery ZX over the Internet or intranet.

For more information about Fiery ZX Setup, see the *Configuration Guide*.

TO SET UP FIERY WEBTOOLS ON THE FIERY ZX:

1. In **Network Setup>Port Setup>Ethernet Setup**, set “**Enable Ethernet**” to **Yes**.
2. In **Network Setup>Protocol Setup>TCP/IP Setup>Ethernet Setup**, set “**Enable TCP/IP for Ethernet**” to **Yes**, and set a valid, unique IP Address for the Fiery ZX.
3. In **Network Setup>Service Setup>Web Services Setup**, set “**Enable Web Services**” to **Yes**.
4. **Exit Network Setup**, and select **Yes** at the **Save Changes** screen.
5. In **Printer Setup**, set “**Publish Print Queue**” to **Yes**.
6. **Exit Printer Setup**, and select **Yes** at the **Save Changes** screen.

TO SET UP FIERY WEBTOOLS ON EACH USER'S WORKSTATION:

1. **Enable TCP/IP networking.**
2. **Make sure the workstation has a valid, unique IP address.**
3. **Make sure the workstation is installed with one of the following Internet browsers:**
Windows 95 and Windows NT—*Either* Netscape Communicator v4.0.3 *or* Microsoft Internet Explorer v3.0.2
Mac OS—Netscape Communicator v4.0.3

NOTE: Netscape and Microsoft continue to release frequent updates to their browsers. As support cannot be guaranteed for all versions, use the versions specified above for best results.

4. **Make sure Java is enabled in your Internet browser.**

For more information on setting up the Fiery ZX and your network, see the *Configuration Guide*.

Using the Installer WebTool

The Installer WebTool duplicates the printer driver installers on the User Software CD, allowing you to easily download the current version of user software from the Fiery ZX to your workstation.

TO DOWNLOAD PRINTER DRIVER INSTALLERS WITH THE INSTALLER WEBTOOL:

1. Launch your Internet or intranet browser and enter the DNS name or IP address of the Fiery ZX.
2. Click the Installer button.



3. Under the name of your operating system, click “Printer Files.”

For Windows computers, a dialog box appears, prompting you to save the file “Prntdrv.exe” to the location you choose.

For Mac OS computers, a folder named “Printer Driver” is downloaded to the desktop in a BinHex-encoded, compressed format. If your internet browser is equipped with an expander utility such as StuffIt Expander™, the folder will be decoded and decompressed automatically.

4. For Windows computers, browse to the location where you want to save the Prntdrv.exe file and click Save.

For Mac OS computers, if the Printer Driver folder was not automatically decoded and decompressed, launch a utility that will perform that function.

5. For Windows computers, double-click the Prntdrv.exe file, browse to the location where you want to install the Prntdrv folder, and click Next.

The Prntdrv folder is installed to the location you specified.

6. Install the appropriate printer driver for your operating system.

For instructions on installing the printer driver for:	See:
Windows 95	"Setting up PostScript printing with Windows 95" on page 3
Windows 3.1x	"Setting up PostScript printing with Windows 3.1x" on page 18
Windows NT 4.0	"Setting up PostScript printing with Windows NT 4.0" on page 22
Mac OS computers	"Setting up the Fiery ZX as a PostScript printer" on page 50.

Troubleshooting

This chapter provides troubleshooting tips.

On a Windows computer

Setting up IPX (Novell) printing for Windows NT Workstation

If you have problems installing the Fiery ZX with Windows NT, try installing another PostScript printer (such as the Apple LaserWriter IIg), and then install the Fiery ZX. Installing another printer insures that all files are properly installed and available. For instructions, see your Windows NT documentation.

Installing the Adobe PostScript Printer Driver

If you are reinstalling the Adobe PostScript Printer Driver, delete any previous versions and related files before installing. Search for and delete all files named Efar*. * in the Windows\System folder and the Windows\System\Color folder. See the Adobe README file included with the printer driver for more information.

Problems with the Fiery utilities on Windows 95 or Windows NT

1. **If you are using Windows 95, make sure that IPX/SPX and TCP/IP networking protocols are both enabled.**

See “Completing the Windows 95 IPX/SPX or IPX (Novell) connection” on page 11.

2. **Make sure that the connection is configured correctly for your site.**

To check the current configuration, launch a Fiery utility and choose Open from the File menu. Select the Fiery ZX and click Modify to see current settings. If the settings are incorrect, you can change them in this dialog box.

On a Mac OS computer

Setting up the Fiery ZX in the Chooser

If auto-setup does not work and you are prompted to select the PPD, select the appropriate Fiery ZX file in your System Folder:Extensions:Printer Descriptions folder.

Select “Fiery ZX R2 1.0.”

Installing screen fonts

If you experience problems installing the PostScript screen fonts from the User Software CD to the System Folder:Fonts folder, try the following:

1. **Quit all applications and close all windows.**
2. **Create a new folder and name it “Uninstalled Fonts.”**
This folder must be located outside of the System Folder.
3. **Move fonts that you are not using from the System Folder:Fonts folder to the Uninstalled Fonts folder.**
4. **Continue to copy fonts from the User Software CD to the System Folder:Fonts folder.**
5. **Create an alias to the System Folder:Fonts folder and to the Uninstalled Fonts folder.**
6. **Place both aliases on your desktop.**
7. **When necessary, use the aliases to open both folders and move fonts between them.**

If you have any applications running, you must quit and relaunch them in order to view and use the newly installed fonts.

Alternately, you can try combining fonts from multiple suitcases into a single suitcase.

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