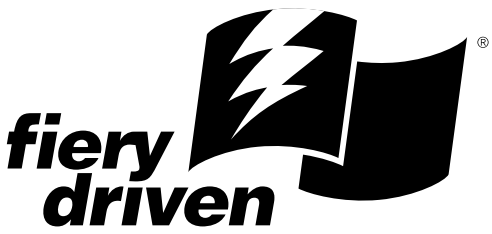
Operating Instructions

Configuration Guide



For safety, please read this manual carefully before you use this product and keep it handy for future reference.

Part Number:

FCC Information

WARNING: FCC Regulations state that any unauthorized changes or modifications to this equipment not expressly approved by the manufacturer could void the user's authority to operate this equipment.

Class B Declaration of Conformity

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

In order to maintain compliance with FCC regulations, shielded cables must be used with this equipment. Operation with non-approved equipment or unshielded cables is likely to result in interference to radio and TV reception. The user is cautioned that changes and modifications made to the equipment without the approval of manufacturer could void the user's authority to operate this equipment.

Industry Canada Class B Notice

This Class B digital apparatus complies with Canadian ICES-003.

Avis de Conformation Classe B de l'Industrie Canada

Cet appareil numérique de la Classe B est conforme à la norme NMB-003 du Canada.

Certificate by Manufacturer/Importer

This is to certify that the FC07 is shielded against radio interference in accordance with the provisions of VFG 243/1991. The German Postal Services have been advised that this device is being put on the market and that they have been given the right to inspect the series for compliance with the regulations.

Bescheinigung des Herstellers/Importeurs

Hiermit wird bescheinigt, dass der FC07 im Übereinstimmung mit den Bestimmungen der VFG 243/1991 funkentstört ist. Der Deutschen Bundespost wurde das Inverkehrbringen dieses Gerätes angezeigt und die Berechtigung zur Überprüfung der Serie auf Einhaltung der Bestimmungen eingeräumt.

RFI Compliance Notice

This equipment has been tested concerning compliance with the relevant RFI protection requirements both individually and on system level (to simulate normal operation conditions). However, it is possible that these RFI Requirements are not met under certain unfavorable conditions in other installations. It is the user who is responsible for compliance of his particular installation.

Dieses Gerät wurde sowohl einzeln als auch in einer Anlage, die einen normalen Anwendungsfall nachbildet, auf die Einhaltung der Funkentstörbestimmungen geprüft. Es ist jedoch möglich, dass die Funkentstörbestimmungen unter ungünstigen Umständen bei anderen Gerätekombinationen nicht eingehalten werden. Für die Einhaltung der Funkentstörbestimmungen einer gesamten Anlage, in der dieses Gerät betrieben wird, ist der Betreiber verantwortlich.

Compliance with applicable regulations depends on the use of shielded cables. It is the user who is responsible for procuring the appropriate cables.

Die Einhaltung zutreffender Bestimmungen hängt davon ab, dass geschirmte Ausführungen benützt werden. Für die Beschaffung richtiger Ausführungen ist der Betreiber verantwortlich.

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Contents

Chapter 4: Setting up the Fiery 3850C from a Windows Computer

Chapter 5: Setting up Network Servers

Chapter 6: Administering the Fiery 3850C

Introduction

This manual is intended for anyone who is responsible for integrating the Fiery 3850C™ into a business environment that includes networked personal computers. After you set up the Fiery 3850C and client workstations as described in this manual and in *Getting Started*, individual users can print to the Fiery 3850C as a high-performance color Adobe PostScript printer.

NOTE: The term "Fiery 3850C" is used in this manual to refer to the Fiery 3850C installed in the printer.The name "Aero" is used in illustrations to represent the Fiery 3850C. The term "Windows 9x" is used in this manual to refer to Windows 95 and Windows 98.

NOTE: Windows XP is supported. Follow the instructions for Windows 2000 if you are using a Window XP operating system.

The Fiery 3850C includes support for the Fiery WebTools™ and software for the Command WorkStation™, which enable an operator to manage all jobs sent to the Fiery 3850C. 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.

Any connectivity or administrative features specific to the printer are described in *Getting Started,* the *Printing Guide,* or the *Release Notes.*

About this manual

This manual covers the following topics:

- Basic configuration of the Fiery 3850C to support printing over AppleTalk, TCP/IP, and IPX (Novell) networks
- Configuring Novell and Microsoft Windows NT 4.0/2000 servers and UNIX systems to provide Fiery 3850C printing services
- Administering network printing
- Using the Fiery 3850C in mixed network environments

NOTE: The network guidelines in this book are not intended to replace the services of an experienced network engineer.

Organization

This manual is organized as follows:

- Chapter 1 illustrates the supported network configurations and shows the network connectors on the Fiery 3850C.
- Chapter 2 describes how to prepare for Fiery 3850C Setup, including planning system security through access levels.
- Chapter 3 describes Fiery 3850C configuration (Setup) from the Control Panel.
- Chapter 4 describes Fiery 3850C Setup from a Windows computer.
- Chapter 5 provides guidelines for setting up Windows network servers and UNIX systems for printing to the Fiery 3850C and for using the Fiery WebTools.
- Chapter 6 summarizes some administrative features of Fiery 3850C software that are available for IPX/SPX, TCP/IP, and AppleTalk networks, and also offers some troubleshooting hints.

NOTE: Administrator features described in other manuals are summarized on page 6-1.

About the documentation

This manual is part of a set of Fiery 3850C documentation, which includes the following manuals for users and system administrators:

- The *Configuration Guide* explains basic configuration and administration of the Fiery 3850C for the supported platforms and network environments. It also includes guidelines for setting up UNIX, Windows NT 4.0/2000, and Novell NetWare servers to provide printing services to clients.
- *Getting Started* describes how to install software to enable users to print to the Fiery 3850C. Specifically, it describes installation of printer files, and other user software provided on the User Software CD. It also explains how to connect each user to the network.
- The *Printing Guide* describes the printing features of the Fiery 3850C for users who send jobs via remote workstations on the network.
- The *Color Guide* provides information on managing the color output of your Fiery 3850C. It addresses concepts and issues associated with printing to the Fiery 3850C and outlines key workflow scenarios. This manual explains how to calibrate your printer and take advantage of the ColorWise® color management system as well as features in ColorWise Pro Tools™. In addition, the *Color Guide* offers information on printing from popular Windows and Mac OS applications.
- The *Job Management Guide* explains the functions of the Fiery utilities, including the Command WorkStation, and how they can be used to manage jobs. This book is intended for an operator or administrator, or a user with the necessary access privileges, who needs to monitor and manage job flow, and troubleshoot problems that may arise.
- *Release Notes* provide last-minute product information and workarounds for some of the problems you may encounter.

The *Printing Guide*, *Color Guide*, and *Job Management Guide* are provided on a CD-ROM.

Chapter 1: Connecting to the Network

This chapter summarizes the stages in setting up the Fiery 3850C, and includes diagrams that refer you to other chapters or other manuals for completing your installation. Check those references to find the information you need quickly.

Fiery 3850C on the network

When the Fiery 3850C is connected to a network, it behaves as a networked PostScript printer. The built-in Ethernet interface on the Fiery 3850C supports the following network protocols:

- AppleTalk
- TCP/IP (the lpd, nbt, and http protocols)

  TCP/IP stands for Transmission Control Protocol/Internet Protocol. The lpd protocol is the standard TCP/IP printing protocol. The nbt protocol supports Windows (SMB) printing. The http protocol is commonly used for Web pages on the Internet and on intranets.
- IPX/SPX (Novell)

  IPX/SPX stands for Internetwork Packet Exchange/Sequenced Packet Exchange.

These protocols (rules that enable computers on a network to communicate with each other) are supported on the Mac OS, Windows, and UNIX platforms and can run concurrently on the same cable. Workstations that use other protocols can print through a server that uses one of the protocols mentioned.

When you add the Fiery 3850C to a network, it is assumed that a network administrator has already installed a network cabling system and connected workstations and servers.

Stages of installation on the network

Installation can be performed by a network or printing administrator. The stages of a successful installation are:

- **Physically connecting the Fiery 3850C to a functioning network**

  Prepare a network node for the Fiery 3850C—obtain cable and route it to the location where the Fiery 3850C will be installed and attach the cable to the network interface of the Fiery 3850C.

  NOTE: If you plan to run the Command WorkStation software from a remote computer, you need to install the software and connect the Command WorkStation computer to the network. See *Getting Started* for details.

- **Configuring the network server**

  When network servers are required, you need to configure those servers to provide client access to the Fiery 3850C as a color PostScript printer. See Chapter 5 for information on configuring network servers in Windows and UNIX network environments.

- **Setting up the Fiery 3850C**

  Configure the Fiery 3850C for your particular printing and network environment. Read Chapter 2, and see the following chapters for details.

- **Preparing client workstations for printing**

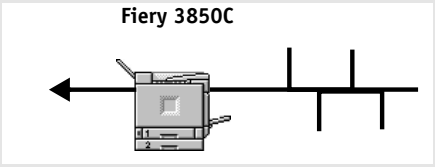
  Install the files needed for printing, install additional user software, and connect the client to the Fiery 3850C over the network. These steps are described in *Getting Started,* and some information is provided in Chapter 5 of this manual.

- **Administering the Fiery 3850C**

  Monitor and maintain system performance and troubleshoot problems that arise. See Chapter 6 and the *Job Management Guide* for details.

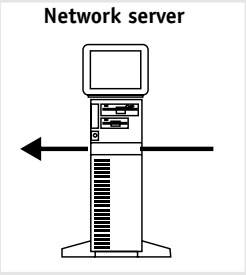
Summary of Fiery 3850C network installation

CONNECTION



Prepare a network node. Connect the Fiery 3850C to the network. If you use a computer running the Command WorkStation software, connect it to the network.

SERVER CONFIGURATION

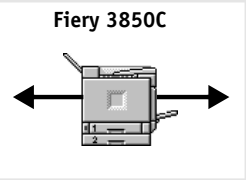


Configure UNIX, Windows NT 4.0/2000 and IPX (Novell) servers to specify Fiery 3850C print queues and Fiery 3850C users.

Install PostScript printer files on the server.

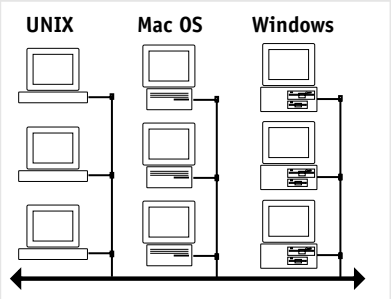
No special configuration of AppleShare servers is required.

FIERY 3850C SETUP



On the Fiery 3850C Control Panel, configure at least the System Setup, Network Setup, and Printer Setup. From the Control Panel or the Command WorkStation, configure the remaining Setups. Calibrate the Fiery 3850C.

CLIENT SETUP



At each workstation that will print to the Fiery 3850C:

- Install the appropriate printer files and connect to one or more queues.
- For computers that will use them, install Fiery utilities and an Internet browser.
- Verify the Fiery 3850C in the list of printers and run a test print.

Fiery 3850C available on the network

Quick path to installation

The diagrams on the following pages show typical systems that can be used for printing and running Fiery software from remote workstations. Find the page with your preferred platform and network type, and then look up the setup procedures referenced in the "Key to setup" at the top left of each diagram.

The diagrams describe devices that use the supported networking protocols. They are logical diagrams and are not intended to describe the physical arrangement (topology) of devices on the network. A variety of physical arrangements is possible with each logical arrangement. For example, twisted pair Ethernet networks commonly use a star configuration around a hub, rather than a bus arrangement. The design of physical networks is beyond the scope of this manual.

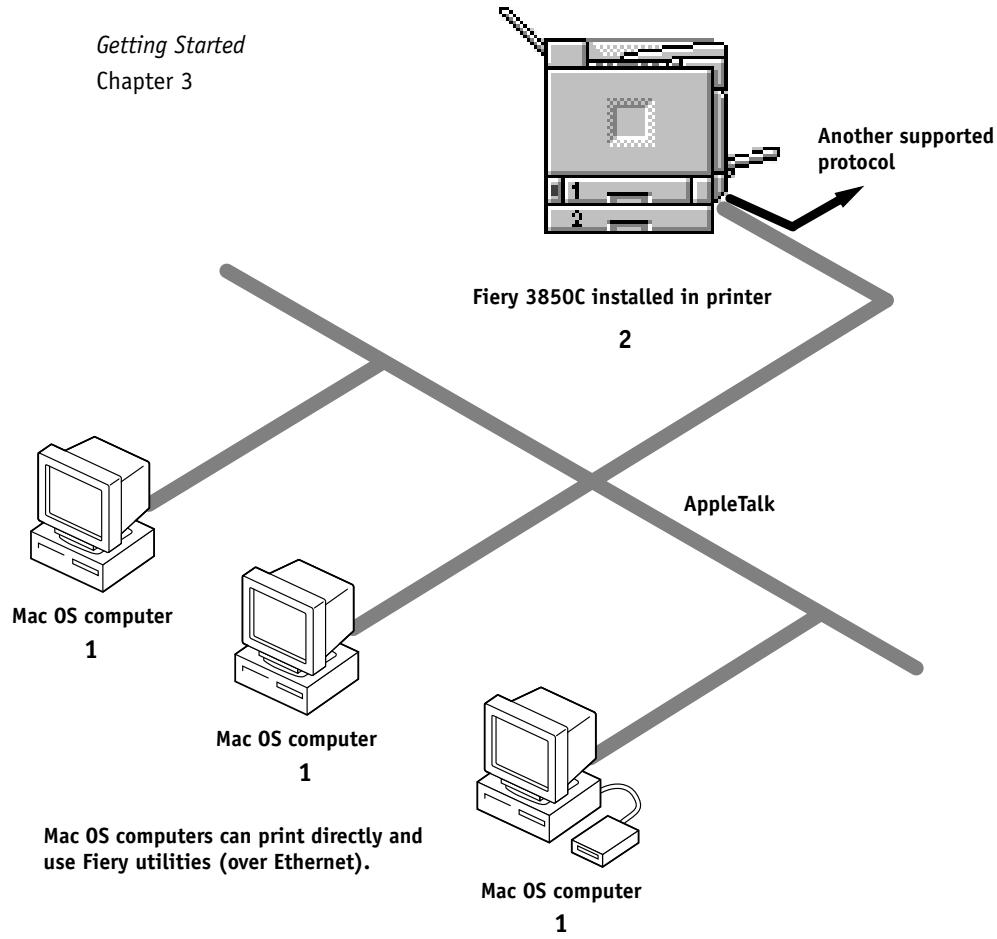
If the network uses more than one protocol or more than one type of workstation, combine the setups listed for each component of your system. Multiple protocols (shown in the diagrams as parallel lines) can run on the same cable. A solid connection from the Fiery 3850C with an arrow indicates that other supported network types can be operational at the same time.

The protocols used in these diagrams are indicated as follows:

Mac OS environment with AppleTalk

Key to setup:

1 Mac OS computer	*Getting Started*
2 Fiery 3850C Setup	Chapter 3

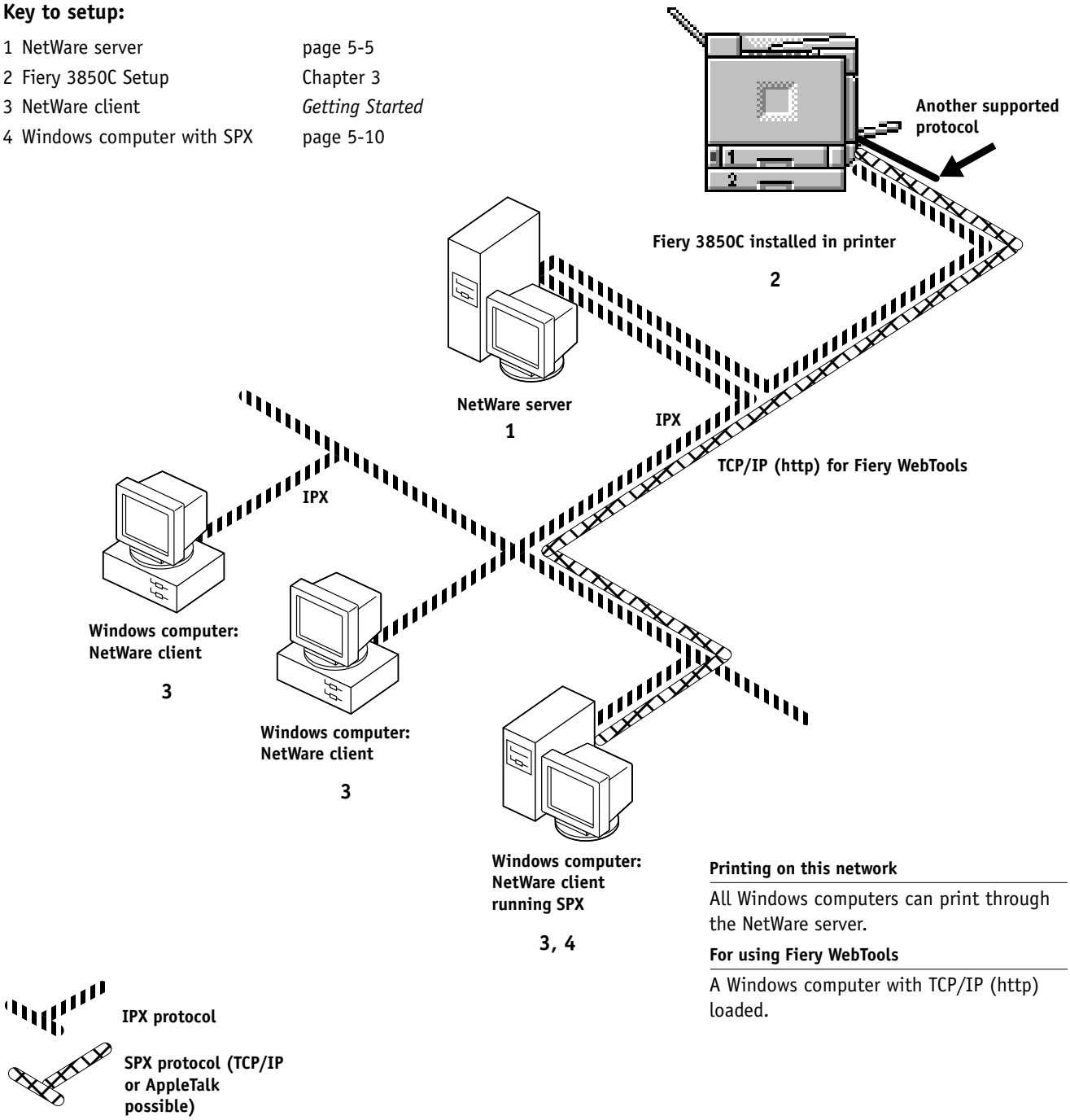


AppleTalk protocol

Windows computers in a Novell environment

Key to setup:

1 NetWare server	page 5-5
2 Fiery 3850C Setup	Chapter 3
3 NetWare client	*Getting Started*
4 Windows computer with SPX	page 5-10



Printing on this network

All Windows computers can print through the NetWare server.

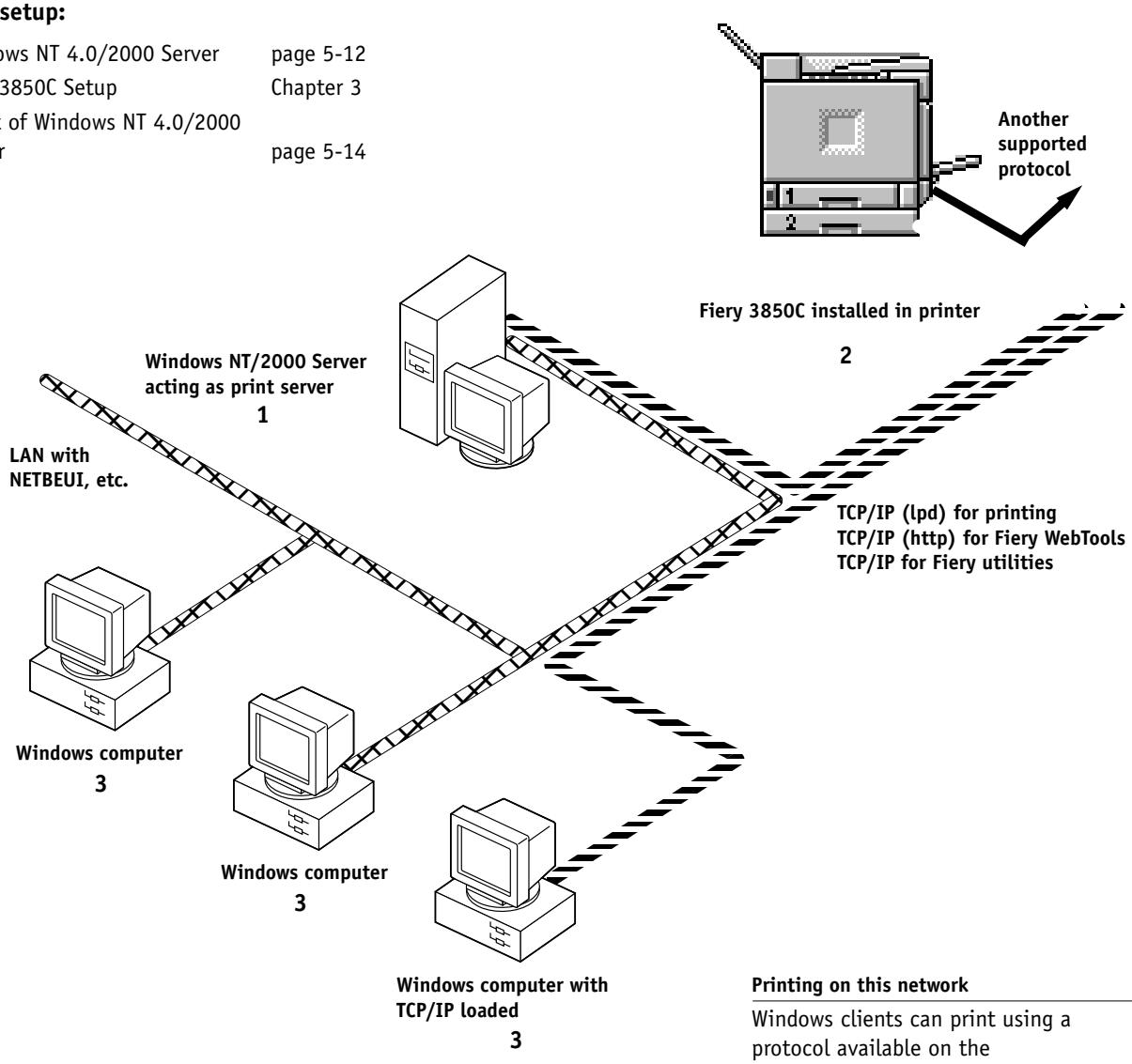
For using Fiery WebTools

A Windows computer with TCP/IP (http) loaded.

Windows NT 4.0/2000 Server environment

Key to setup:

1 Windows NT 4.0/2000 Server page 5-12
2 Fiery 3850C Setup Chapter 3
3 Client of Windows NT 4.0/2000 Server page 5-14

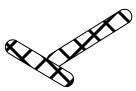


Printing on this network

Windows clients can print using a protocol available on the Windows NT 4.0/2000 print server. Windows NT 4.0 machines can print using TCP/IP with the lpd protocol.

For running Fiery utilities and WebTools

A Windows computer with TCP/IP loaded.



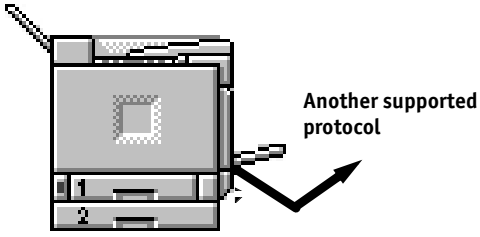
NETBEUI or other protocol available on the clients and the server

TCP/IP

Windows computers using Windows (SMB) printing

Key to setup:

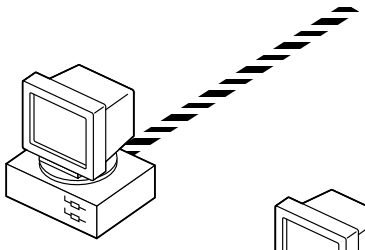
1 Windows computer	*Getting Started*
2 Fiery 3850C Setup	Chapter 3



Fiery 3850C installed in printer

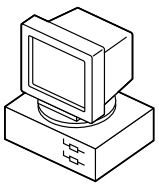
2

TCP/IP (nbt)



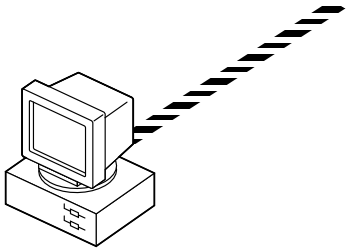
Windows computer

1



Windows computer

1



Windows computer

1

For Windows printing

Windows computers

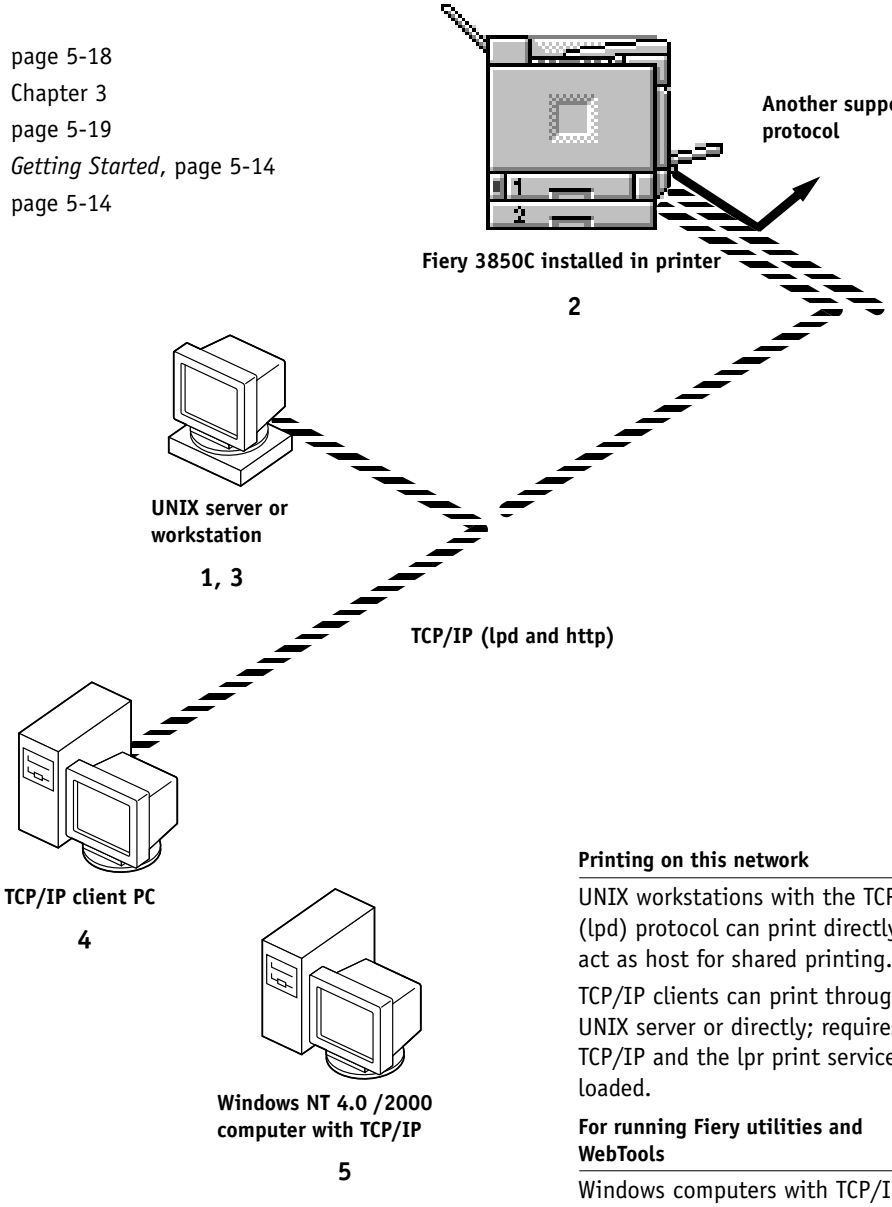
Windows (SMB) printing enabled

TCP/IP (nbt) protocol

UNIX workstations and Windows NT 4.0/2000 computers on a TCP/IP network

Key to setup:

1 UNIX server/host	page 5-18
2 Fiery 3850C Setup	Chapter 3
3 UNIX workstation	page 5-19
4 TCP/IP client	*Getting Started*, page 5-14
5 Windows NT 4.0 client	page 5-14



Printing on this network

UNIX workstations with the TCP/IP (lpd) protocol can print directly and act as host for shared printing.

TCP/IP clients can print through UNIX server or directly; requires TCP/IP and the lpr print service loaded.

For running Fiery utilities and WebTools

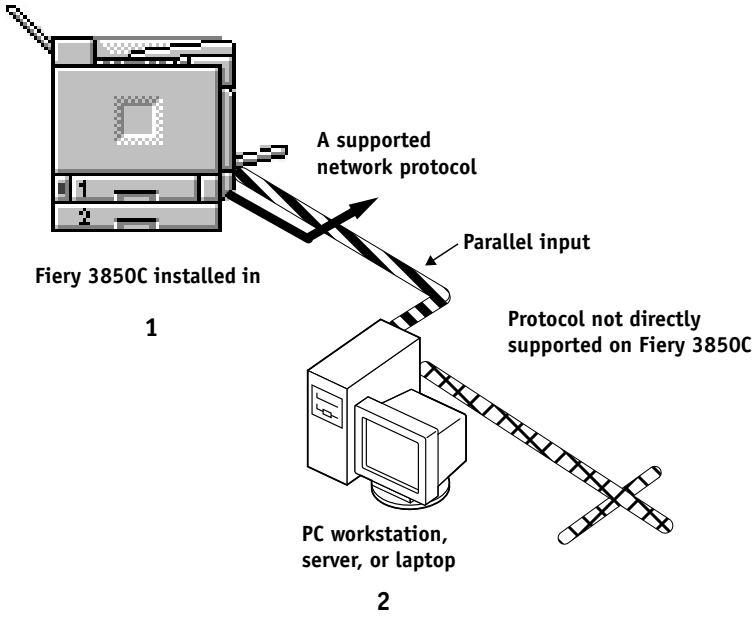
Windows computers with TCP/IP loaded can use these applications.

TCP/IP (lpd) protocol

Fiery 3850C parallel port connection

Key to setup:

1 Fiery 3850C Setup	Chapter 3
2 Windows computer	*Printing Guide*



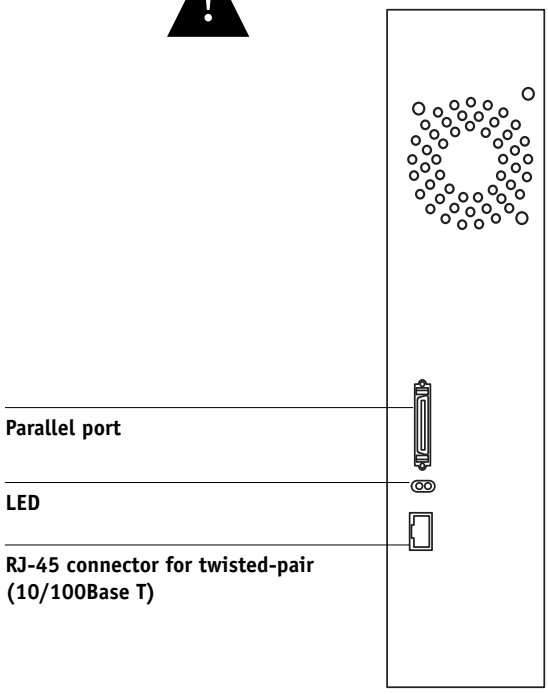
With the parallel port enabled, the Fiery 3850C can accept and print jobs sent to its parallel port.

Parallel

Connecting network cable to the Fiery 3850C

In this section, the back panel of the Fiery 3850C is illustrated, followed by information for connecting to the Ethernet board.

Back view of the Fiery 3850C connectors



Ethernet cable connection

For connecting to Ethernet, the Fiery 3850C supports Unshielded Twisted Pair (UTP) cabling, defined as Category 5 for use with 100BaseT; or as Category 3, Category 4, or Category 5 for use with 10BaseT. The cable uses an 8-pin RJ-45 connector that plugs into the RJ-45 socket on the Fiery 3850C.

NOTE: The 100BaseT type supported by the Fiery 3850C is 100BaseTX, also known as Fast Ethernet. If an Ethernet hub is used, it must be a 100BaseTX hub. The term "100BaseT" is used to refer to 100BaseTX.

TO CONNECT TO THE ETHERNET BOARD:

- **Connect the network cable to the RJ-45 connector on the back of the Fiery 3850C.**

  A Category 5 unshielded twisted pair cable network cable must be used for 100BaseT.

Parallel cable connection

In addition to receiving print jobs over Ethernet, the Fiery 3850C can accept print jobs from a Windows computer through its high-speed parallel port. This connection is advantageous for portable computers and for workstations on dedicated networks using protocols other than AppleTalk, TCP/IP, or IPX.

TO USE PARALLEL CABLE:

1. **With the Fiery 3850C and the Windows computer turned off, attach the parallel cable to the parallel port of the Fiery 3850C.**

   See the illustration on page 1-11 for the location of the parallel port.

2. **Connect the other end of the cable to the parallel port on the Windows computer.**

3. **Turn on the computer and the Fiery 3850C.**

4. **Proceed to Setup.**

   To print to the parallel port, you need to set up the parallel port connection. See "Parallel Port Setup options" on page 3-11. For information on setting up printing, see *Getting Started*; for printing to the parallel port, see the *Printing Guide*.

Chapter 2: Preparing for Fiery 3850C Setup

To prepare for printing at your site, you need to do some initial Fiery 3850C configuration, or Setup, to specify the network environment and the kind of printing you will do. Before you perform Setup, you must decide the levels of access you will implement for your site.

Levels of access and control

When you configure the Fiery 3850C during Setup, you (as system administrator) implement a particular level of control by enabling or not enabling print connections, passwords, and access to Fiery WebTools. The level of control you implement can range from strict to moderate to minimal—or none at all.

- Strictest control might be appropriate for a high-volume printing environment where an administrator or operator controls the job flow and all printing; jobs sent by users are spooled (stored) to the Fiery 3850C disk until the operator decides it is time to print them. In addition, only the administrator and/or operator have access to job management tools.

NOTE: The term "job management tools" is used in this manual to refer to the Command WorkStation, and Fiery WebSpooler.

- Least control might be appropriate for a small site where anyone on the local network can control all printing and Fiery 3850C functions. Although there may be an administrator or operator charged with certain duties, all users have equal access to the system and job management tools.

Fiery 3850C print connections

The Fiery 3850C supports three print connections: Hold queue, Print queue, and Direct connection. These print connections can be enabled, or "published," to users on the network when you configure Printer Setup. All published connections are constantly checked for the presence of jobs. The Print queue and the Direct connection give remote users more direct access to the Fiery 3850C than the Hold queue. Therefore, do not publish the Print queue and the Direct connection in environments where stricter control is desired.

In addition, you can enable the Printed queue, which is a storage area for the most recent jobs from the Print queue. The Printed queue makes it convenient to reprint those jobs. In Setup, you enable the Printed queue and specify the maximum number of jobs retained in it. Reprinting jobs in the Printed queue requires the job management tools.

Hold queue

Jobs sent to the Hold queue are spooled to the Fiery 3850C hard disk for printing at a later time or for repeated printing. Because the Hold queue is a storage place, jobs sent to it cannot proceed through the printing process without intervention via the job management tools (see the *Job Management Guide*).

Print queue

This is the standard Fiery 3850C queue. Jobs sent to the Print queue are processed and printed in the order they are received. Jobs prioritized by an operator from the job management tools and jobs sent via the Direct connection can take priority over jobs sent to the Print queue.

To use the Fiery utilities and Fiery WebTools, you must enable either the Hold queue or the Print queue.

Direct connection

The Direct connection transmits jobs directly to the Fiery 3850C, but only when the Fiery 3850C is not processing another job. If the Fiery 3850C is busy, the job remains at the user workstation until the Fiery 3850C is ready. The job is then processed as soon as the previous job is finished and before the next queued job is processed.

Jobs sent to the Direct connection are not stored on the Fiery 3850C hard disk, and they cannot be selected for reprinting, moving, or deletion. Therefore, the Direct connection provides a measure of security for sensitive files. Jobs sent to the Direct connection *do* appear in the Job Log, for accounting purposes.

NOTE: To download fonts to the Fiery 3850C, you must publish the Direct connection.

Passwords

You can implement password requirements as a means of controlling access to Fiery 3850C functions. The Fiery 3850C allows for the following passwords to be set in Setup:

- Administrator—from the Control Panel
- Operator—from Fiery WebSetup or the Command WorkStation

NOTE: By default, *no* passwords are set on the Fiery 3850C. If you do not specifically set passwords, all users will have administrator privileges, which include access to important functions such as Setup (including setting passwords), and job control. It is *strongly recommended* that you set *at least* an Administrator password to protect the Fiery 3850C from random or accidental changes to Setup.

Administrator privileges

Administrator control, which confers control of Setup, is the highest level of control, since the person who has access to Setup can control the printing and job management environment. Administrator privileges include publishing print connections, setting passwords, deleting fonts, clearing the Fiery 3850C of all job data, and setting the WebLink destination.

When performing a function from the Fiery 3850C Control Panel that prompts you for the Administrator password, you must enter it promptly. Otherwise, the Fiery 3850C Control Panel returns to Ready, and you must start over again.

Operator privileges

Operator control includes control of print jobs from the job management tools, including the ability to override job settings.

Guest privileges (no password)

No password is needed for a user to log in as a Guest from the job management tools. A Guest can view the status of active jobs but cannot make changes to jobs or to the Fiery 3850C state.

Fiery WebTools

The Fiery 3850C can support Internet or intranet access with Fiery WebTools from Windows and Mac OS computers. To enable use of Fiery WebTools, you must do the following in Setup:

- Enable TCP/IP
- Set an IP address, subnet mask, and gateway address for the Fiery 3850C

Instead of manually assigning the IP address, subnet mask, and gateway address, you can use DHCP, RARP, or BOOTP protocols to assign some or all of these addresses (see page 3-13).

Passwords can be set to control access to Fiery WebTools features. If you do not specifically set these passwords, all users have access to all Fiery WebTools functions (see page 2-3).

Fiery WebTools include Status, WebSpooler, WebDownloader, WebSetup, and WebLink.

Status

The Status WebTool provides you with current information on the jobs processing and printing on the Fiery 3850C. It is not affected by any password setting. For more information, see the *Printing Guide*.

WebSpooler

WebSpooler allows remote users to preview, manipulate, reorder, reprint, and delete jobs currently spooling, processing, or printing on the Fiery 3850C. It also allows the administrator to view, print, or delete the Job Log.

Fiery WebSpooler access can be controlled by setting an Operator password in Setup. If you set a password, only users with that password can manipulate jobs from Fiery WebSpooler. A user who does not have the password can still log in to Fiery WebSpooler as a Guest with view-only access (see page 2-3). For more information, see the *Job Management Guide*.

WebDownloader

WebDownloader allows you to download PostScript, PDF, and EPS files directly to the Fiery 3850C without first opening the file in an application.

WebSetup

WebSetup allows you to view and modify Fiery 3850C Setup options from a remote workstation. For more information, see Chapter 4.

NOTE: Fiery WebSetup is supported on Windows computers only. To access WebSetup, you must use Microsoft Internet Explorer 5.0 or 5.5 with Java enabled. You must install the Java VM provided on the User Software CD if you are running WebTools from a Windows XP computer. For more information, see *Getting Started.*

WebLink

WebLink provides all users with a link to a pre-set Fiery WebLink destination. To change the WebLink destination, see page 5-18. This function requires the Administrator password, if one has been set. See "Passwords" on page 2-3.

NOTE: If no Administrator password has been set, any user can change the WebLink destination, which affects all users. For this reason, it is strongly recommended that you set an Administrator password.

Control level scenarios

Typical scenarios of access and control, ranging from least control to strictest control, are described in this section. Choose the scenario that best matches your site requirements, and then refer to the corresponding number in the table for guidance on how to configure your system for those requirements.

NOTE: It is *strongly recommended* that you set *at least* an Administrator password to prevent unauthorized changes to system settings.

1. **(Least control—*not recommended*) No designated administrator or operator**

   All users have equal access to all system functions including Setup, clearing the Fiery 3850C, deleting printer fonts, setting the WebLink destination printing to all Fiery 3850C print connections, and managing all jobs from the job management tools.

2. **A designated administrator but no designated operator**

   Only an administrator can perform Setup, calibration, and other administrator functions, but all other system functions are accessible to all users, including printing to all Fiery 3850C print connections, and managing all jobs from the job management tools.

3. **A designated administrator and a superuser operator**

   Only an administrator can perform Setup and other administrator functions, and only an operator or administrator can control jobs from the job management tools. Users can print to all Fiery 3850C print connections.

4. A designated administrator and a designated operator, no Fiery WebTool access

Only an administrator can perform Setup and other administrator functions, and only an operator or administrator can control jobs from the job management tools; users can print to the Hold queue and the Print queue, but not to the Direct connection; the operator controls all job flow, but jobs sent to the Print queue may not require operator intervention; no access to Fiery WebTools.

5. (Strictest control) A designated administrator and a designated operator, no Fiery WebTool access, operator controls all jobs

Only an administrator can perform Setup and other administrator functions, and only an operator or administrator can control jobs from the job management tools; users can print only to the Hold queue; the administrator and the operator have complete control of job flow; no access to Fiery WebTools.

Use these settings in Setup:	1 (Least)	2	3	4	5 (Strictest)
Enable Direct connection	□	□	□		
Enable Print queue	□	□	□	□	
Set an Administrator Password (*strongly recommended*)		□	□	□	□
Set an Operator password			□	□	□

About Setup

Setup configures the Fiery 3850C to communicate with other devices and manage print jobs. It is required the first time the Fiery 3850C is powered on after new system software is loaded or after server software is reinstalled. An initial Setup using default settings is adequate for getting the Fiery 3850C to reach Ready status, but not for full functionality. When your network or user printing environment changes, you can change Setup options accordingly.

Initial Setup must be performed at the Fiery 3850C Control Panel. Configure at least System Setup, Network Setup, and Printer Setup, in that order. Afterwards, you can complete or change most Setup options from a Windows computer using the Command WorkStation or Fiery WebSetup.

Network server setup requirements

The diagrams in Chapter 1 give chapter references for network server setup.

To configure network settings in Setup, you need a live network connection so the Fiery 3850C can query the network for zones, servers, and server-based queues.

Whenever the configuration of the Fiery 3850C or the network itself changes at your site, you can alter individual settings to correspond to the changed environment. Changing network or port settings may require that you make changes to other Setup options as well.

Chapter 3: Performing Setup from the Control Panel

Setup is required the first time the Fiery 3850C is turned on after new system software is loaded. In this initial Setup, you (or the service technician who loads the software) choose the language to use for Fiery 3850C Control Panel menus and messages.

About Fiery 3850C Setup

In initial Setup, you must configure at least System Setup, Network Setup, and Printer Setup, in that order, from the Control Panel. If you do not configure the remaining Setups, the Fiery 3850C uses default settings. These defaults allow the Fiery 3850C to reach the Ready state, but might not allow users to print to the Fiery 3850C. You need to make settings appropriate for the printing environment at your site.

Making changes to Setup

After initial Setup, you can change Setup options from the Control Panel (page 3-2) or the Command WorkStation (page 4-1). Most Setup options can be set from any of these methods.

Network server setup requirements

For Novell and Windows NT 4.0/2000 (using TCP/IP) networks, the network servers must be configured for printing to the Fiery 3850C *before* you configure Fiery 3850C network settings in Setup. You need a live network connection so the Fiery 3850C can query the network for zones, servers, and server-based queues. The diagrams on pages 1-5 through 1-10 give chapter references for network server setup.

Whenever the configuration of the Fiery 3850C, the printer, or the network itself changes at your site, you can alter individual settings to correspond to the changed environment. Likewise, if printing needs or administrative requirements change, you can alter the corresponding settings. Changing network or port settings may require that you make changes to other Setup options as well.

Fiery 3850C Setup from the Control Panel

Setup performed from the Control Panel configures the Fiery 3850C to communicate with other devices and manage print jobs sent to it.

Setup provides these groups of options:

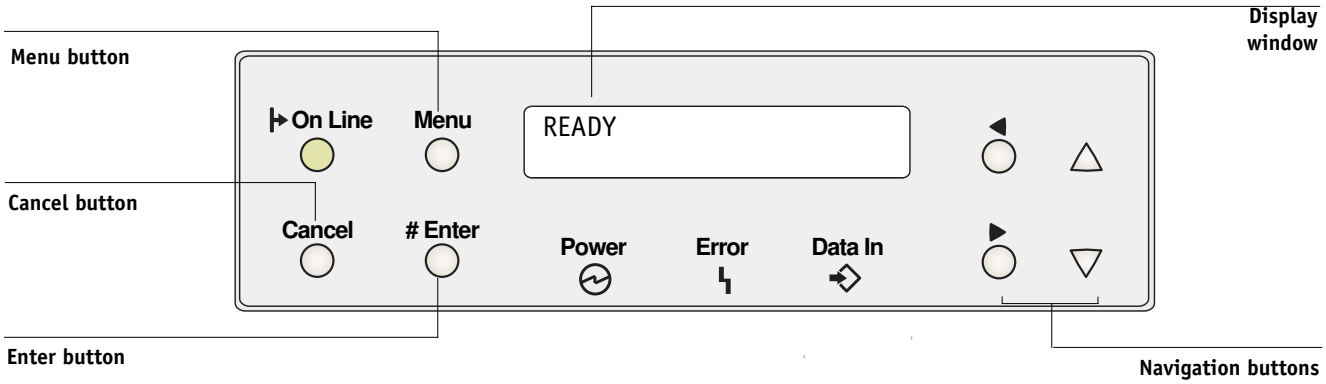
- System Setup to specify system options
- Network Setup to specify all the active network systems that transmit print jobs to the Fiery 3850C

  Network Setup includes I/O Port Setup, Network Protocol Setup, and Network Services Setup.
- Printer Setup to specify how print jobs and queues are managed
- PS Setup to specify PostScript settings
- PCL Setup to specify PCL settings
- ColorWise Setup to specify color settings
- Tray Setup to adjust the placement of text and images on the page so that they are correctly aligned on the sheet of paper or so that both sides of a duplex sheet have the exact same alignment. For more information on this function, see the *.Job Management Guide*

Accessing Setup options

The Control Panel enables you to set options and view information about jobs printed to the Fiery 3850C.

Fiery 3850C Control Panel



The *Job Management Guide* describes the online display screens in detail. This chapter describes only the screens you might see when performing Setup.

TO ACCESS SETUP WHEN THE FIERY 3850C IS AT READY:

1. **Make sure the information screen on the Control Panel reads Ready.**

   If Printing or RIPping appears, the Fiery 3850C is processing, and you must wait until the system finishes and reaches the Ready state.

About the Control Panel Setup interface

When you perform Setup from the Control Panel, you select one menu after another and enter information about your Fiery 3850C and your network and printing environment.

Entering Setup information

There are two types of Setup options:

Multiple choice questions

You are given choices (for example, Yes or No, or a list of options from which to choose).

Use the arrow buttons to scroll through the choices, and choose Enter when the correct information is displayed.

Information entry options

You must specify information for your site, such as the printer name or IP address.

Some numeric information is grouped into separate parts. For example, to change the System Date, use the right or left arrow on the Control Panel to select the month, day, or year. Use the up or down arrows to display the correct information.

NOTE: When you enter text, enter it from left to right, as the left arrow button acts as a delete key as well as a cursor-moving key.

In some menus, you can use the Menu button to cancel the current selection and return to the next higher level menu.

Some system messages that you might see during Setup are longer than can be displayed completely on the Control Panel. Use the down arrow on the Control Panel to show the remaining part of these messages.

When you have entered the settings, the settings are automatically saved. The Fiery 3850C reboots after you exit from some of the Setup menus.

System Setup options

The System Setup menu lets you specify system information that pertains to the Fiery 3850C itself and all users. Accessing the menu is described on page 3-3.

When you choose System Setup, the options appear in sequence as described below. Default values, where applicable, appear in square brackets. Words shown in italics indicate that a product- or site-specific value is displayed.

Printer Name
Default printer name

Enter a name for the Fiery 3850C (up to 16 characters long). This is the name that appears in the Chooser on an AppleTalk network.

NOTE: Do not use the device name (3850C) as the server name. Also, if you have more than one Fiery 3850C, do not give them the same name. Windows does not support two computers with the same name in the same workgroup or domain.

Start Page
Yes/No [No]

Specify whether the Fiery 3850C should print a start page every time it is restarted. The start page displays information about the Fiery 3850C, including the printer name, current date and time, amount of memory installed in the Fiery 3850C, last calibration date, network protocols enabled, and connections published.

Publish Printed Q
Yes/No [Yes]

Specify whether to publish the Printed queue, which creates a storage location on the Fiery 3850C disk for recent jobs that were printed from the Print queue. Users with Administrator or Operator access to the job management tools can reprint jobs from the Printed queue without sending them to the Fiery 3850C again. If you select No, jobs are deleted from the Fiery 3850C disk immediately after they are printed.

Jobs to Save
1-99 [10]

This option appears only if Publish Printed Queue is set to Yes. Specify the number of jobs to be stored in the Printed queue. Jobs in the Printed queue take up space on the Fiery 3850C hard disk. If disk space is low, use a smaller value for saved jobs.

Energy Saver 1
Off/On [Off]

Specify if you want the printer to use Energy Saver 1 mode in which it only shuts down the printer's fuser.

Energy Saver 2
Off/60 minutes/45 minutes/30 minnutes/15 minutes/5 minutes/On [On]

Specify if you want the printer to use Energy Saver 2 mode in which it shuts down the entire printer.

E. Saver 2 Timer
60 minutes/45 minutes...5 minutes [60 minutes]

Specify the amount of time to elapse before the printer goes into Energy Saver mode.

Time

Enter the correct system time. Enter the time based on the 24-hour clock in the form HH:MM (Hours:Minutes). The time is used on the Job Log.

Date

Enter the correct system date in the standard form for your usage. The date is used on the Job Log.

Unit of Measure
Inch/MM [Inch]

Specify the default unit of measure that the printer will display.

Change Password
No/yes [No]

Change Password enables you to set or change the Administrator password for the Fiery 3850C. Anyone with the Administrator password can modify the Setup options, and control the flow and order of print jobs with the job management tools.

New Password

Use the up and down buttons to select the characters and the left and right arrow buttons to move between them. The password can be any combination of letters and numbers up to 19 characters. Choose Enter when you are done. Be sure to keep track of the password.

NOTE: If you forget the Administrator Password, contact your authorized service representative.

Verify Password

Enter the new password again exactly as before to verify that you have entered it correctly. If you make a mistake, you are prompted to enter the password again.

Network Setup options

Network Setup configures the Fiery 3850C to receive print jobs over the network systems that will be used at your site.

In the Setup menu, choose Network Setup, where you specify network addresses and names to be used by workstations, servers, and the Fiery 3850C when they communicate with each other.

The Network Setup menu includes three submenus that let you choose port types, protocols, and network services.

For each item you enable, you are prompted to enter settings for that item. Default values, where applicable, appear in this manual with square brackets.

You need to display and select options only for the network systems that are currently used at your site. If your network requirements change, you can change network setup at any time.

If the Fiery 3850C is configured to enable more than one protocol, it automatically switches to the correct protocol when it receives a print job.

The available network types, and the Setup areas that pertain to them, are summarized in the following table.

For this Network or Connection Type:	Use this Port Setup:	Use this Protocol Setup:	Use this Service Setup:
AppleTalk over Ethernet	Ethernet Setup	AppleTalk Setup	AppleTalk printing (PAP) is enabled automatically.
TCP/IP over Ethernet	Ethernet Setup	TCP/IP Setup: Ethernet Setup	Port 9100
IPX/SPX over Ethernet	Ethernet Setup	IPX/SPX Setup	PServer Setup (NDS, Bindery, or both)
Parallel	Parallel Port Setup	—	—
SMB over TCP/IP	Network Service Setup	—	Enable SMB

TO ACCESS NETWORK SETUP OPTIONS:

1. **Confirm that the network cable is connected to the Fiery 3850C.**

   During Network Setup, the Fiery 3850C queries the network for zones, servers, and server-based queues. If you perform Network Setup without a connected and functioning network, default settings are used that may not meet your needs.

2. **Choose I/O Port Setup from the main Setup menu.**

3. **To use Ethernet, enable Ethernet from the I/O Port Setup menu, and enter the appropriate settings.**

4. **To print to the parallel port, enable Parallel Port Setup from the I/O Port Setup menu, and enter the appropriate settings.**

5. **When you have finished entering port settings, choose Network Protocol Setup.**
6. **Enter the appropriate settings for the protocol or protocols you will use.**
7. **When you have finished entering protocol settings, choose Network Service Setup.**
8. **Enter the appropriate settings for the services you will use.**

The options are described in detail in the following pages.

TO EXIT NETWORK SETUP:

1. **When you have finished entering service settings, press Enter.**
2. **From the main Setup menu, choose another Setup or choose Cancel. Choosing Cancel causes the printer to reboot.**

   After speciying all setup items, press Cancel and the Fiery 3850C reboots and any changes you entered during the Setup take effect. If you do not press Cancel, the Fiery 3850C will reboot after a few moments.

I/O Port Setup options

To configure the Fiery 3850C, choose Ethernet and enter the appropriate settings. Since network setups are nested, the names of higher-level menus are shown in this chapter to the left of each menu heading.

Ethernet Setup

Ethernet
On/Off [On]

Select On if you have Ethernet cabling connected to the Fiery 3850C.

Speed
Auto Detect/100 Mbps/10 Mbps [Auto Detect]

Select Auto Detect if your network environment is mixed, or if you do not know the network speed. If you know the speed of the network to which the Fiery 3850C is attached (10 Mbps or 100 Mbps), select it.

Parallel Port Setup options

You must enable the parallel port in order to enter the Parallel Port Setup options and print to the parallel port.

Parallel Port Setup

Parallel Port
On/Off [On]

Select On if you want to print through the parallel port. You can connect a single Windows computer to the parallel port and print directly to the Fiery 3850C.

NOTE: Enabling the parallel port does not conflict with using Ethernet communication to the Fiery 3850C.

Port Timeout
5-300 [15]

This option appears only if Parallel Port is set to On. Your setting determines how long (in seconds) the Fiery 3850C waits without receiving data from the parallel port before deciding that the current job is complete. Until the timeout, the Fiery 3850C cannot receive new jobs through the parallel port, but it can continue to receive network print jobs.

Ignore EOF
Yes/No [Yes]

This option appears only if Parallel Port is set to On. This option specifies that the Fiery 3850C should ignore end-of-file (EOF) messages in a file. This option must be set to Yes to print PostScript files in binary format (not ASCII); under normal circumstances, it should be set to No. When this option is set to Yes, the Fiery 3850C uses the parallel port timeout value to determine when the end of the file has been reached. If you experience printing problems, set this option to No.

Protocol Setup options

To configure the Fiery 3850C, choose each protocol and enter the settings for that protocol.

TCP/IP Setup - Ethernet

TCP/IP-Ethernet
Yes/No [Yes]

Select Yes if you have a TCP/IP network connected to the Fiery 3850C over Ethernet cabling.

NOTE: If you are using TCP/IP for printing from Windows computers, enabling TCP/IP here also enables you to use Fiery utilities from Windows computers using TCP/IP protocols.

Enable AutoIP
Yes/No [No]

Select Yes to allow the Fiery 3850C to obtain its Ethernet IP address by searching the network. Depending on your network and the protocol you select in the following option (DHCP, BOOTP, or RARP), the IP address can change. Select No to assign the Fiery 3850C a static IP address that will not change. If you select No, you proceed to the IP Address option, where you manually set the IP address.

Enable DHCP
Yes/No [Yes]

This option appears only if you answered Yes to Enable Auto IP Configuration. DHCP allows the Fiery 3850C to obtain the Ethernet IP address and Subnet Mask automatically.

Depending on your network, the Fiery 3850C might be assigned a different address after you reboot the Fiery 3850C. With the DHCP setting, the Fiery 3850C can be assigned a different address even if it is not rebooted. Make sure the network is already configured properly for the protocol you select.

Enable BOOTP
Yes/No [No]

This option appears only if you answered Yes to Enable Auto IP Configuration. BOOTP allows the Fiery 3850C to obtain the Ethernet IP address and Subnet Mask automatically.

Enable RARP
Yes/No [No]

This option appears only if you answered Yes to Enable Auto IP Configuration. RARP only allows the Fiery 3850C to obtain the Ethernet IP address automatically.

Eth. IP Address
[127.0.0.1]

Enter the Fiery 3850C IP address for Ethernet. This IP address, unlike an IP address set automatically, remains the same if you reboot the Fiery 3850C. You must change the default to a valid address for your network. For information about setting up printing with TCP/IP, see Chapter 5.

Eth. Subnet Mask
[255.255.255.0]

This option lets you modify the subnet mask for printing with TCP/IP over Ethernet. To set the subnet mask, enter one of the following values:

- 255.0.0.0 if the IP address starts with a number less than 128
- 255.255.0.0 if the IP address starts with a number from 128 through 191
- 255.255.255.0 if the IP address starts with a number greater than 191

Confirm the subnet mask setting with your network administrator before proceeding. In some cases the required setting may be different from those listed.

Auto Gateway
Yes/No [Yes]

Use this option to get the gateway address automatically for printing with TCP/IP. This option appears only if you selected DHCP or BOOTP as the protocol in the previous options.

If you select a DHCP or BOOTP protocol and later change it to RARP, you must return to Setup and set this option to No. You can then set the address manually. This is because RARP does not support automatic assignment of the gateway address.

Gateway Address
[127.0.0.1]

This option appears only if you answered No to Auto Gateway, or if you selected RARP as the protocol.

Use this option to set the gateway address for printing with TCP/IP. If your network uses a gateway, you must change the default to a correct gateway address for your network.

IP Filtering
Off/On [Off]

Select On to setup a range of IP addresses that is available for connecting to the printer.

IP Filter Mask
000.000.000.000

Enter the IP filter mask that specifies the available range for connecting to the printer.

IP Filter Addr
000.000.000.000

Enter the IP filter address that will determine the available range for connecting to the printer.

AppleTalk Setup

Enable AppleTalk
Yes/No [Yes]

Select Yes if you have an AppleTalk network connected to the Fiery 3850C. This setting enables the Fiery 3850C to communicate over AppleTalk networks.

AppleTalk Zone
List of zones

The Fiery 3850C searches the network for AppleTalk zones in your network segment. Scroll through the list to select the AppleTalk zone in which you want the Fiery 3850C to appear. If your segment has only one zone, the Fiery 3850C is assigned to that zone automatically.

The message "No AppleTalk zone found" may mean your network has no zones, or the network cable is not connected (see page 6-4). Choose Enter to dismiss the message.

Novell Setup options

Enable Novell
Yes/No [No]

To specify the frame types the Fiery 3850C uses for IPX/SPX protocols, choose Yes to Enable Novell.

You must choose at least one frame type to enable IPX/SPX protocols. The Fiery 3850C supports the following frame types for IPX/SPX: Ethernet 802.2, Ethernet 802.3, Ethernet II, and Ethernet SNAP.

For protocols other than IPX/SPX, the frame type is automatically enabled and does not require setup, as follows:

With this protocol:	And these printing services:	This frame type is automatically enabled:
AppleTalk	PAP (Printer Access Protocol)	Ethernet SNAP
TCP/IP with Ethernet	LPD (Line Printer Daemon)	Ethernet II

Auto Frame Type
Yes/No [Yes]

Specify whether the Fiery 3850C should try to bind to all available frame types automatically. The Fiery 3850C does so whether or not all frame types are appropriate. To determine the frame types that were successfully bound, save your changes, exit Setup, allow the Fiery 3850C to reboot, and print a Configuration page. The Configuration page lists only one of the frame types that were successfully bound.

If you answer No to this option, you can select frame types manually. You must choose at least one frame type to enable IPX/SPX protocols.

Select Frame Types

The frame selection screen allows you to make multiple selections. Press Enter to select the frame type used on your IPX/SPX network. You can choose to enable Ethernet 802.3, Ethenet 802.2, Ethernet II, and Ethernet SNAP.

Select all the frame types that are appropriate for your network. An asterisk (*) appears beside each selected frame type.

Service Setup options

Network Service Setup has options for TCP/IP and IPX/SPX networks.

- For IPX/SPX networks, PServer Setup allows you to enter the names of the Novell objects that are concerned with Fiery 3850C print jobs.
- SMB Setup enables the Microsoft SMB (Server Message Block) protocol, which supports peer-to-peer printing, also known as Windows printing or SMB printing.
- Port 9100 Setup allows users to download jobs to a print connection on the Fiery 3850C.

PServer is a program in the Fiery 3850C that can service the Novell print queues assigned to the Novell print servers you have set up for printing to the Fiery 3850C. When you choose PServer Setup and enable PServer, you can set up NDS (Novell Directory Services), Bindery Services, or both. NDS is used with NetWare 4.x; Bindery Services are used with NetWare 3.x or with NetWare 4.x in bindery emulation mode.

PServer Setup options

Enable PServer
Yes/No [No]

Select Yes if you have a Novell network connected to the Fiery 3850C.

Choose NDS Setup if your network uses NetWare 4.x in native mode. Choose Bindery Setup if your network uses NetWare 3.x or uses NetWare 4.x in bindery emulation mode.

If your network uses *both* NDS and Bindery, set up NDS first. Setting up NDS after Bindery will overwrite Bindery Setup.

If your network uses both NDS and Bindery, and uses NetWare 4.x servers in bindery emulation, note that the Fiery 3850C cannot service NDS and bindery emulation servers on the same NDS tree.

NDS Setup

Before entering NDS settings, be sure the Fiery 3850C is connected to the network and you have already configured an NDS directory tree with a Printer, a Print Server, and one or more Print Queue objects for Fiery 3850C jobs (see page 5-7). To perform NDS Setup you may need permission to browse the NDS tree. If access to the Print Server is restricted, you need a login password.

The main objective of NDS Setup is to specify the Print Server object. In addition, you can indicate the location of the Fiery 3850C print queues.

The terms NetWare server, Novell server, and IPX server are in common use and are used here interchangeably to mean the server on an IPX network running Novell NetWare networking software.

Enable NDS
Yes/No [No]

Select Yes if the NetWare servers you will use to print to the Fiery 3850C are running NetWare 4.x in native mode.

Change Settings
No/Yes [No]

This option appears only if an earlier NDS setting exists.

NDS Tree
List of trees

Use the up and down buttons to browse the list of NDS trees available to the Fiery 3850C. Choose Enter when you have displayed the tree that contains the Printer, Print Server, and print queue objects you have previously defined for the Fiery 3850C.

Your new NDS tree selection automatically overwrites any previous tree selection. If you change the NDS tree selection and there are also current Bindery settings, you are alerted that they will be deleted. If you continue with NDS Setup, you can replace Bindery settings afterwards. If you do not want to continue, you can exit NDS Setup by pressing the Menu button to escape.

Del Bind Setup?
No/Yes [No]

Select Yes to overwrite previous bindery setup settings.

Login to browse?
Yes/No [No]

Select No if no password is required to browse the tree. You can proceed to navigate to the Print Server object.

Select Yes if network permissions require that you log in to browse the NDS tree and see the Print Server object you want to select. If you select Yes, you are prompted to navigate to the User Login object.

Find Login Object

This message is displayed if you selected Yes for the previous option. Choose Enter and browse the NDS tree as described in the following paragraphs.

NDS Tree name
Object list, "..."

Browsing to find the User Login object begins with the NDS tree that you selected previously (with NDS Tree). Use the up and down buttons to scroll a list of objects in the tree beneath the [Root] in the hierarchy, or use the navigation symbol ".." to go up one level at a time.

In each subsequent browse screen, the top line represents your current location. The second line contains:

- A list of objects in the current container directly below your current location.
- The symbol ".." to go up one level.

With an object selected, choose Enter to travel down the tree, or choose ".." to go up the tree. When you select an object and choose Enter, that object is then displayed on the top line, and the second line lists objects directly below it.

Continue to browse the NDS tree until the User Login object is displayed in the second line. Choose Enter.

Enter Password

Enter the login password for the NDS tree, using the up and down buttons to select characters, and the left and right arrow buttons to move the cursor. Choose Enter.

Choose Enter to browse the NDS tree to the Print Server object.

Browsing to find the Print Server object begins with the NDS tree that you selected previously (with Select NDS Tree). In each subsequent browse screen, the top line represents your current location. The second line contains:

- A list of objects in the current container directly below your current location.
- The symbol ".." to go up one level.

With a container object selected, choose Enter to travel down the tree, or choose ".." to go up the tree. When you select an object and choose Enter, that object is then displayed on the top line, and the second line lists objects directly below it.

When the Print Server is displayed in the second line, choose Enter.

Enter Password

Enter the Print Server password, using the up and down buttons to enter characters, and the left and right arrow buttons to move the cursor. Choose Enter. (If no password is required, choose Enter.)

Print Q Search:
Entire NDS Tree/Specified subtree [Entire NDS Tree]

By default, the Fiery 3850C searches the entire NDS tree for Fiery 3850C print connections. This option lets you restrict the search for Fiery 3850C print jobs to a subtree (the Print Queue root) in which the Fiery 3850C print connections have been defined. This makes the search more efficient. Select Entire NDS Tree if the tree is small. Select Specified Subtree to restrict the search and specify the subtree.

If you select Entire NDS Tree, choosing Enter returns to PServer Setup. Proceed with Bindery Setup (see page 3-23), set the Polling Interval (see page 3-25), or choose Exit PServer Setup to return to the Service Setup menu.

Browse to Print Q Subtree Root

This message is displayed if you selected Specified Subtree in the previous option. Choose Enter to browse the NDS tree to the Print Queue subtree.

Browsing to find the container object begins with the NDS tree that you selected previously (with Select NDS Tree). In each subsequent browse screen, the top line represents your current container. The second line contains:

- A list of objects directly below your current location
- The symbol ".." to go up one level
- The symbol "." to select the current container object (displayed in the top line) without traveling down the tree

With an object selected, choose Enter to travel down the tree, or choose ".." to go up the tree. When you select an object and choose Enter, that object is then displayed on the top line, and the second line lists objects contained within.

When the container that contains print queues is displayed in the second line, choose Enter. In the next screen, choose "." and choose Enter to select the object in the top line.

When the Fiery 3850C displays the container name, choose Enter.

Proceed with Bindery Setup (see page 3-23), set the Polling Interval (see page 3-25), or return to the Network Service Setup menu.

Bindery Setup options

Enable Bindery Setup
No/Yes [No]

Use Bindery Setup if you have already configured one or more bindery servers (file servers running NetWare 3.x or NetWare 4.x in bindery emulation) with a Print Server and a Print Queue for Fiery 3850C jobs. Before entering bindery settings, be sure the Fiery 3850C is connected to the network and the NetWare file server is running. If Guest Login is not supported, you need a valid user name and password.

NOTE: The terms NetWare server, Novell server, and IPX file server are in common use and are used here interchangeably to mean the server on an IPX network running Novell NetWare networking software.

Add File Server

This option gives you two ways to add a Novell NetWare file server.

Select File Server
From List/Search by Name [From List]

You may select the file server from a scrollable list, or by a name search. Choose From List if your network does not have a large number of file servers. Select Search by Name if the number of file servers is so large that scrolling through the list would take a long time.

If you selected **From List**:

Add Server
List of all servers

The Fiery 3850C obtains a list of NetWare file servers by querying the IPX network. Use the up and down buttons to select a NetWare file server from the list. Choose the server on which you have configured a print server and print queue to handle Fiery 3850C print jobs.

If you selected **Search by Name**:

Use the up and down buttons to enter the first letters of the name of the file server you want to use, and choose Enter.

Add Server
List of servers matching the search

This option is displayed if you entered letters to search. Scroll to select the server you want from the list.

Once you have chosen a file server, the Fiery 3850C immediately tries to log in as a guest without a password. If it succeeds, it skips to the NetWare Print Server option.

If you try to add a file server but all Fiery 3850C connections are already being used, you are prompted to remove a file server (see "Remove FServer" on page 3-27).

File Server Login
administrator/supervisor/Enter Login Name [supervisor]

This option appears only if a password is required for login or if there is no guest account or the guest account is restricted. Choose Enter Login Name to enter your own login name and password or to log in as a guest. Choose administrator or supervisor if you have those privileges.

Enter Login Name
[guest]

This option and the next appear only if you selected Enter Login Name for the File Server Login. Enter your login name or select guest.

FServer Password

Enter the password for logging in to your NetWare file server.

NetWare Print Server
Print Server Name

Select the name of the print server that you have configured in the NetWare utility PCONSOLE. This is the print server that will route print jobs to the Fiery 3850C from computers on IPX networks.

Choose Yes to Another FS until you have connected each NetWare file server you have configured for printing to the Fiery 3850C.

You can choose another Bindery Setup option (such as adding another file server) or proceed to set the polling interval.

Polling Interval options

Polling Interval

Whether you are using NDS or Bindery services, choose Polling Interval from the main PServer Setup menu. If you do not reset the interval, the default value of 15 seconds is used.

Poll Int. (Sec)
1-3600 [15]

Specify the interval, in seconds, at which the Fiery 3850C communicates with the Novell print server to see if there are print jobs waiting.

NOTE: If you select a short interval, the amount of network traffic increases. This may slow down other network jobs.

SMB Setup options

Enable SMB
Yes/No [Yes]

Enabling SMB (Server Message Block), the file and printer sharing protocol built into Windows, allows the Fiery 3850C to be listed on the network so that Windows clients can print to a particular print connection (Hold, Print, or Direct) on the Fiery 3850C without any other networking software. For information on how to set up a Windows computer for Windows printing, see *Getting Started*. Windows printing runs via TCP/IP, so TCP/IP must be configured on the Fiery 3850C and on all workstations that use Windows printing.

Auto NETBIOS
Yes/No [No]

This option appears if you chose DHCP or BOOTP as the protocol for automatically obtaining the IP address of the Fiery 3850C .

Choose Yes to have the Fiery 3850C use a WINS name server and automatically obtain its IP address. After making your choice, you proceed to the Server Name option.

Choose No to proceed to the Use WINS Name Server option, where you specify whether to use a WINS name server, and then to the WINS IP Address option, where you specify its IP address.

Use Name Server
Yes/No [No]

Broadcasts from SMB devices cannot pass across a router without a WINS name server. Setting up the WINS name server is outside the scope of this manual. To find out if a name server is available, contact your network administrator.

Name Server IP
[127.0.0.1]

This option appears only if you choose Yes for Use WINS Name Server. Change the default address to the correct IP address for the WINS Name Server. Obtain the correct address from your network administrator.

Server Name
Default Name

The server name is the name that will appear on the network for accessing the Fiery 3850C via SMB. The default name is the same as the server name assigned in Server Setup (see page 3-5).

Server Comments

Server comments (optional) can contain information about the printer. These comments are listed in the Properties of the Fiery 3850C in Network Neighborhood. Comments can be up to 15 characters long.

Domain Name

Enter the name of the workgroup or domain. For more information about entering text and characters, see "Entering Setup information" on page 3-4.

Port 9100 Setup

Enable Port 9100
Yes/No [Yes]

This option allows application programs to open a TCP/IP socket to the Fiery 3850C at Port 9100 to download a print job.

Port 9100 Queue
Direct/Print Queue/Hold Queue [Direct]

Specify the Fiery 3850C print connection for downloading jobs to Port 9100. Only the print connections you have enabled in Printer Setup are available.

Remove FServer

Remove FServer
File server name

Allows you to select a NetWare file server from a list of connected file servers and remove the connection to it. You are notified that you have removed the connection, and the Bindery Setup menu is displayed again. If you change your mind and don't want to remove any of the file servers, press the Menu button.

Printer Setup options

Printer Setup configures the connections and printing behavior associated with a particular printing device. For more information on Fiery 3850C print connections, see page 2-1.

In the list of options that follows, default values, where applicable, appear in square brackets.

NOTE: For users to use the Fiery utilities and Fiery WebTools or to print to the Fiery 3850C over a TCP/IP network, you must publish at least the Hold queue or the Print queue.

Page Desc-Lang
Auto/PCL/PostScript [Auto]

In PCL or PostScript mode, the Fiery 3850C is restricted to PCL or PostScript jobs, respectively. Jobs sent to the Fiery 3850C that do not match the page description language selected on the Fiery 3850C are not printed. In Auto mode, the Fiery 3850C switches to the appropriate page description language for each job.

Default Paper
A4 (297x210)/11x8 1/2 [11x 8 1/2]

Specify the default paper size the Fiery 3850C will print jobs on. When no page size is defined within a PostScript file, jobs are printed on this size.

Auto Continue
Off/15 minutes/ 10...0 minutes [Off]

Specify if you want the printer to wait a certain amount of time before it prints a job that does not have the correct media loaded. If the job resumes printing without the specified media, it will print with the printer defaults.

Def. Output Tray
Standard Tray/External Tray/ Mailbox Tray 1/Mailbox Tray 2/ Mailbox Tray 3/ Mailbox Tray 4/Finisher Tray 1/Finisher Tray 2/Auto Tray Sw. [Standard Tray]

Specify the default tray to output jobs. Mailbox Trays 1-4 are only availble when the 4-bin tray is installed. Finisher Trays 1-2 are only available when the finisher tray is installed.

Job Separation
On/Off [On]

This option enables you to offset multiple copy print jobs.

B&W Page Detect
On/Off [On]

Specify if the printer should detect black and white pages in a single print job which will allow adjustments for print speed. Off prints both color and black and white pages at 28 PPM. On prints black and white pages at 38 PPM until the printer detects a color page. It will then print at 28 PPM for the remainder of the job, regardless of any subsequent black and white pages.

Hex Dump
Off/On [Off]

Enable this option for troubleshooting help for service technicians. When this option is set to On, Hex Dump Mode appears instead of Ready when the printer is at idle.

PostScript Setup options

PS (PostScript) Setup allows you to set defaults for the Fiery 3850C. Users can override most of these defaults on a job-by-job basis. However, users printing from UNIX or DOS command lines cannot override defaults from their applications. Therefore, you must set defaults in PostScript Setup. For information about these defaults, see the *Printing Guide*.

In the list of options that follows, default values, where applicable, appear in square brackets.

Error Page
Yes/No [Yes]

Specify whether the Fiery 3850C should print the available portion of a print job when it encounters a PostScript error. Select Yes to print the portion of the job that was processed before the error occurred; select No to cancel the print job entirely when a PostScript error is encountered. Leave this option at No unless you encounter printing problems.

Def Resolution
600x600 DPI/1200x1200 DPI [600x600 DPI]

Specify the copier's print resolution for all jobs.

PCL Setup options

PCL (Printer Control Language) Setup allows you to set defaults for the Fiery 3850C. Users sending jobs from a Windows computer can override most of the defaults on a job-by-job basis from an application. PCL defaults determine how jobs sent from a DOS or UNIX prompt are printed.

NOTE: PCL printing is not supported for Mac OS computers.

Orientation
Portrait/Landscape [Portrait]

This option determines whether the text or image will be oriented along the short edge of the paper (portrait) or along the long edge of the paper (landscape).

Form Length
5-128 [60]

This option sets the number of lines to be printed per page.

Font Number
0-45 [0]

The font number designates the default font for the Fiery 3850C.

To determine font numbers, print the internal PCL Font List. At the Control Panel, press the Menu button to access the Functions menu. Select Print Pages and press PCL Font List. The standard 46 fonts are listed in order from font #0 to font #45. The font numbers, however, are not displayed.

Pitch
0.44-99.99 [10.00]

When the number selected in Pitch represents a fixed pitch scalable font, the Pitch option appears, allowing you to determine the width of scalable type. Pitch is measured by characters per inch, so 10-pitch type fits ten characters per linear inch.

Symbol Set
ASCII/Roman-8/ECMA-94 L1/PC-8... [Roman-8]

This option lets you choose the symbol set that best matches the needs of users printing to the Fiery 3850C.

Memory Overflow
Yes/No [Yes]

Specify whether the Fiery 3850C should print the available portion of a print job when it encounters a PCL error. Select Yes to print the portion of the job that was processed before the error occurred; select No to cancel the print job entirely when a PCL error is encountered. Leave this option at No unless you encounter printing problems.

ColorWise Setup options

ColorWise Setup allows you to set defaults the Fiery 3850C uses to control color output. Mac OS and Windows users who use the printer drivers provided on the User Software CD can override most of these defaults on a job-by-job basis. However, users printing from UNIX or DOS command lines cannot override defaults from their applications. Therefore, you must set defaults in Color Setup. For information about these defaults, see the *Printing Guide* and the *Color Guide*.

NOTE: Besides the defaults described in this section, Mac OS and Windows users have additional settings available from the printer drivers.

In the list of options that follows, default values, where applicable, appear in square brackets.

Source Profile
EFIRGB/sRGB (PC)/Apple Standard/None [EFIRGB]

The RGB source is the color space used to control color for conversion from screen to printed output. EFIRGB is based on the reference points used in the creation of the Fiery 3850C software. sRGB is based on an average of a large number of PC monitors. Apple Standard is the standard reference point for Apple's ColorSync software.

Rendering Style
Photographic/Presentation/Abs Colorimetric/Rel Colorimetric [Presentation]

The CRD (color rendering dictionary) defines how colors are converted from the RGB color space to device CMYK. Photographic, designed for images, retains the relative balance between colors to maintain the overall appearance of the image. Presentation, designed for bright colors, produces the saturated prints needed for most business presentations, but handles photographic images the same way as the Photographic CRD. Absolute Colorimetric provides the closest match to the CMYK device being simulated, including rendering the paper color as the background. Relative Colorimetric provides a close match to the CMYK device being simulated, regardless of the media used.

CMYK Sim Prof.
SWOP-Coated (EFI) / DIC (EFI)/ Euroscale (EFI)/None [None]

CMYK simulation allows color correction to simulate printed output on a commercial press, so that the Fiery 3850C output can be used for proofing. The SWOP-Coated standard is used in the United States, DIC in Japan, and Euroscale in Europe. Custom simulations are user defined and named. The simulations provided with the Fiery 3850C have the designation "EFI" after their names.

If any custom simulations have been created and loaded on the Fiery 3850C with ColorWise Pro Tools, they also appear in the list of simulations. A custom simulation can be selected as the default simulation. See the *Color Guide* for more information about custom simulations.

Spot Color Match
On/Off [On]

With this option On, the Fiery 3850C uses an internal lookup table to print the best equivalents of PANTONE colors. With this option Off, PANTONE colors are printed using the CMYK values defined in the originating applications. See the *Color Guide* for more information.

Pure Black Text
On/Off [On]

The Pure Black Text option optimizes black text and line art. The option also minimizes toner use for documents consisting of both color and black-only pages.

With this option On, black text and line art are printed with black toner only. With the option Off, black text and line art are printed using all four colors of toner. See the *Color Guide* for more information.

Black Overprint
On/Off [Off]

With this option On, black text overprints on colored backgrounds. With this option Off, black text knocks out color backgrounds. Generally this option should be On. See the *Color Guide* for more information.

Administrative functions in the Setup menu

The remaining choices in the Setup menu are intended to help you manage print jobs and color output but are not required for printing.

- **Change Password** enables you to create or change an Administrator password on the Fiery 3850C so that casual users cannot enter the Setup menus and change Fiery 3850C settings without permission. The Administrator password also controls many functions available from the job management tools.
- **Resets** can clear logs and all queued jobs, clear fonts, reset color and can also reset the Fiery 3850C Setup options to the factory defaults.

Change Password

Change Password enables you to set or change the Administrator password for the Fiery 3850C. Anyone with the Administrator password can modify the Setup options, and control the flow and order of print jobs with the job management tools.

When the Fiery 3850C is installed, there is no password. If you do not create an Administrator password, users are not required to enter a password to modify the Setup or use the administrator functions in the job management tools. If an Administrator password has been set previously, you are required to enter it when you run Setup. For more information, see “Entering Setup information” on page 3-4.

For more information on Administrator access privileges, see page 2-3.
For information on controlling print jobs with the job management tools, see the *Job Management Guide*.

TO CHANGE THE FIERY 3850C PASSWORD:

1. **Scroll the main Setup menu and choose System Setup**
2. **Press Enter until you reach the Change Password option.**
3. **Enter and confirm the password as described below.**

New Password

Use the up and down buttons to select the characters and the left and right arrow buttons to move between them. The password can be any combination of letters and numbers up to 19 characters. Choose Enter when you are done. Be sure to keep track of the password.

NOTE: If you forget the Administrator Password, contact your authorized service representative.

Verify Password

Enter the new password again exactly as before to verify that you have entered it correctly. If you make a mistake, you are prompted to enter the password again. The new password is effective after you save changes and reboot the Fiery 3850C.

Resets

Resets enables you to clear all queued print jobs from the Fiery 3850C—jobs in the Fiery 3850C Print, Hold, and Printed queues. Jobs can also be deleted, individually or as a group, from the job management tools.

Resets also clears all jobs archived on the Fiery 3850C hard disk, the index of archived jobs, and the Job Log. If you keep Job Logs, print or export the Job Log before you choose Clear Log/Queues.

In addition, you can clear fonts and restore default color settings on the Fiery 3850C.

To reset these options, Scroll to the main Setup menu and select Resets. Choose the options that you want reset: Clear Log/Queuess, Clear Fonts, Reset Color.

If you want to return the all the printer features to Fiery 3850C defaults, choose Yes to Restore Defaults. Choosing Restore Defaults returns the Fiery 3850C to its default settings. Restore Defaults also clears all queued jobs from the Fiery 3850C. The Job Log is cleared at the same time. Restore Defaults does *not* reset color settings. Use Reset Color to reset color settings.

Exit Setup

After speciying all setup items, press Cancel and the Fiery 3850C reboots and any changes you entered during the Setup take effect. If you do not press Cancel, the Fiery 3850C will reboot after a few moments.

Printing a Configuration page from the Control Panel

The Configuration page lists all the settings in effect from the current Setup. After you have finished running Setup, print a Configuration page to confirm your settings. The Configuration page can also be printed from the Command WorkStation. See page 4-26 for details.

After you make changes to Setup and press Cancel, the Fiery 3850C reboots. This allows the Fiery 3850C to recognize the new settings and display them properly on the Configuration page. Allow the Fiery 3850C to reboot and return to Ready before printing a Configuration page. In particular, the reboot is necessary if you specified the DHCP, BOOTP, or RARP protocol to obtain an IP address automatically for the Fiery 3850C.

Post the current Configuration page near the server for quick reference. Users need the information on this page, such as the current printer default settings.

The other pages you can print from the Control Panel of the Fiery 3850C include the Test Page, PCL and PostScript font lists, Job Log, Counter Page (if enabled), Help Map, and PANTONE, CMY, and RGB color charts. For information on these pages, see the *Job Management Guide*.

TO PRINT THE CONFIGURATION PAGE:

1. **At the Control Panel, press the Menu button.**
2. **Choose Print Pages From List.**
3. **Choose Configuration.**

Chapter 4: Setting up the Fiery 3850C from a Windows Computer

After you have performed initial Setup (Server, Network and Printer Setup) from the Control Panel, you can change most Setup options from a Windows computer.

Accessing Setup

In addition to using the Control Panel, you can set up the Fiery 3850C remotely. Some Setup options, however, cannot be accessed from remote Setup; use the Fiery 3850C Control Panel instead.

Remote Setup is performed from a Windows computer using the Command WorkStation or Fiery WebSetup. To use either of these applications, you must enter the Fiery 3850C Administrator password. See *Getting Started* for information on system requirements for the Command WorkStation and Fiery WebSetup.

NOTE: Fiery WebSetup is supported on Windows computers only.

Remote Fiery Setup

You can access Fiery 3850C Setup from Fiery WebSetup or the Command WorkStation.

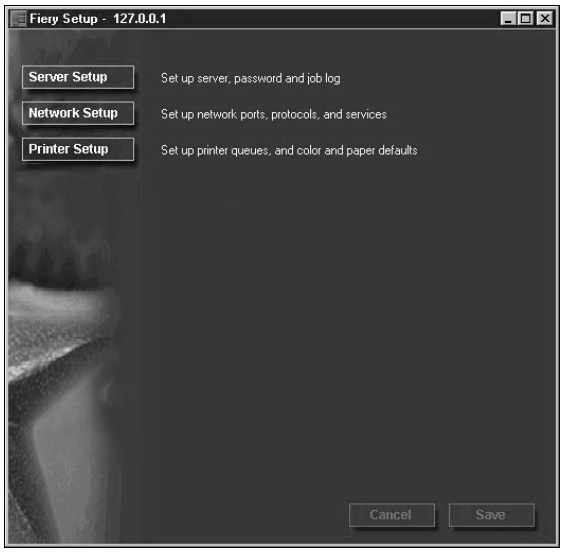
TO ACCESS SETUP FROM THE COMMAND WORKSTATION:

1. **Start the Command WorkStation application.**
2. **Log in as Administrator.**
3. **Choose Setup from the Server menu.**

TO ACCESS FIERY WEBSETUP:

1. **Start your Internet browser application and enter the IP address of the Fiery 3850C.**
2. **Log in as Administrator.**
3. **When the Fiery 3850C home page appears, click the WebSetup button.**

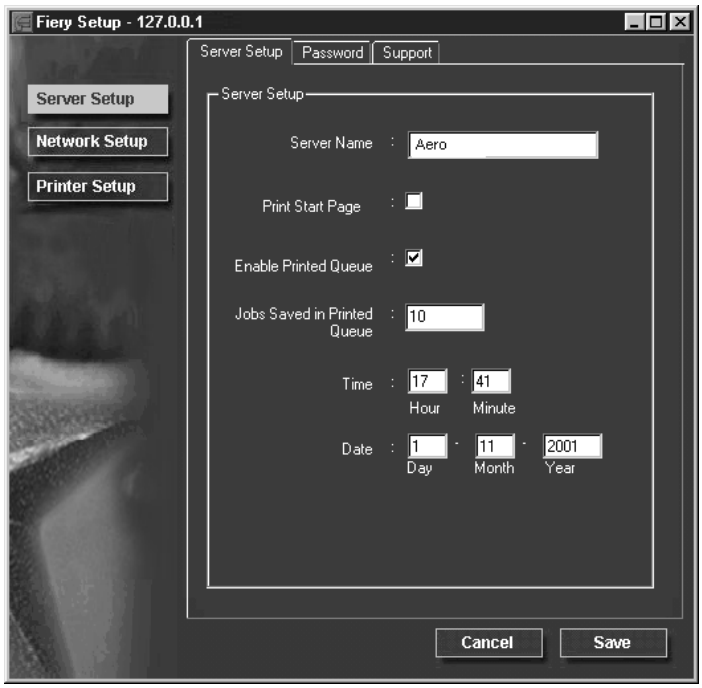
   Regardless of how you access Setup remotely, the following window appears.



NOTE: The interface of remote Setup from the Command WorkStation and from Fiery WebSetup is identical. The remote Setup illustrations in this chapter are from the Command WorkStation.

Server Setup

From this window, you can access Server Setup, Passwords, Job Log Setup, and Support.



Server Setup

Server Name—Specify a name for the Fiery 3850C. This is the name that appears in the Chooser on an AppleTalk network.

NOTE: Do not use the device name (3850C) as the server name. Also, if you have more than one Fiery 3850C, do not give them the same name. Windows does not support two computers with the same name in the same workgroup or domain.

Print Start Page—Specify whether the Fiery 3850C should print a start page when it is turned on or rebooted. The Start Page displays information about the Fiery 3850C, including server name, the current date and time, amount of memory installed, last calibration date, network protocols enabled, and print connections published.

Enable Printed Queue—Specify whether to enable the Printed Queue, a storage location on the Fiery 3850C disk for recently printed jobs. You can reprint jobs from the Printed queue without sending them to the Fiery 3850C again. If the Printed queue is not enabled, jobs are deleted from the Fiery 3850C disk immediately after they are printed.

Jobs Saved in Printed Queue—Specify the number of jobs to be stored in the Printed Queue. Jobs in the Printed queue take up space on the Fiery 3850C hard disk.

Date & Time—Specify the system date and time, which are used on the Job Log.

Passwords

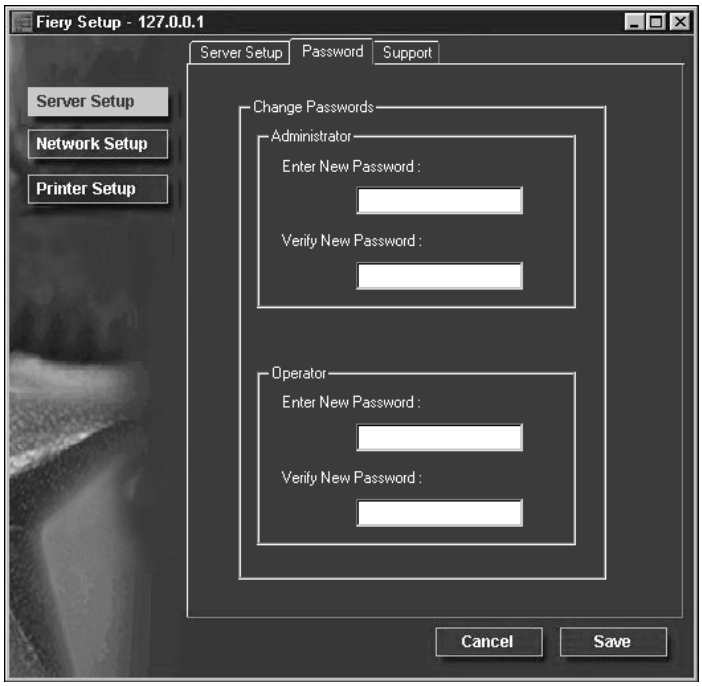
You can set, change, and remove passwords for the Fiery 3850C. Keep careful track of the passwords you set for each.

Administrator—Controls access to Setup; Administrator privileges also include Operator privileges.

Operator—Controls access to job management functions via the job management tools.

NOTE: For more information on Fiery 3850C passwords and the access privileges they allow, see page 2-3.

By default, *no* passwords are set. If you do not specifically set passwords, all users will have access to important functions such as Setup (including setting passwords) and job control. It is strongly recommended that you set at least an Administrator password to protect the Fiery 3850C from unauthorized changes to Setup.



TO SET OR CHANGE A PASSWORD:

1. **Select the password you want to change.**

2. **Type the password in both the Enter New Password and the Verify New Password fields.**

   Passwords are case-sensitive and can be any combination of letters and numbers up to 19 characters. You must enter the password *exactly* the same way both times. The new password remains in effect until you change it again.

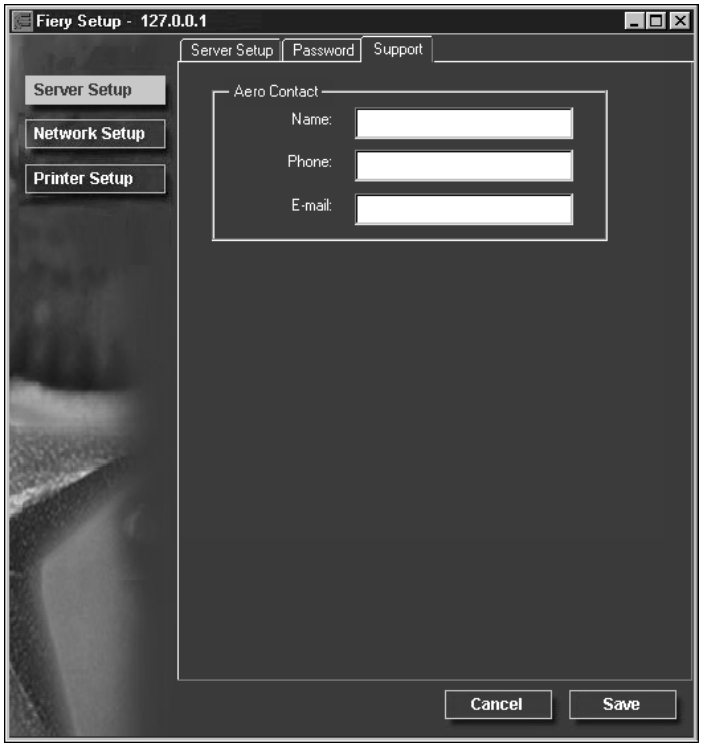
TO REMOVE A PASSWORD:

1. **Select the password you want to delete.**
2. **Delete the asterisks (*) in both the Enter New Password and the Verify New Password fields.**

NOTE: If you forget the Administrator Password, contact your authorized service representative.

Support

Use the Support tab to enter names, phone numbers, and e-mail addresses of contact people at your organization who provide support for the printer.



Network Setup

Network Setup configures the Fiery 3850C to receive print jobs over the networks that are used at your site. If the Fiery 3850C is configured to enable more than one protocol, it automatically switches to the correct protocol when it receives a print job.

You can modify these Network Setup options:

- Ports—Ethernet
- Protocols— TCP/IP, AppleTalk, and IPX/SPX
- Print Services—NetWare printing (PServer) and Windows print sharing (SMB),

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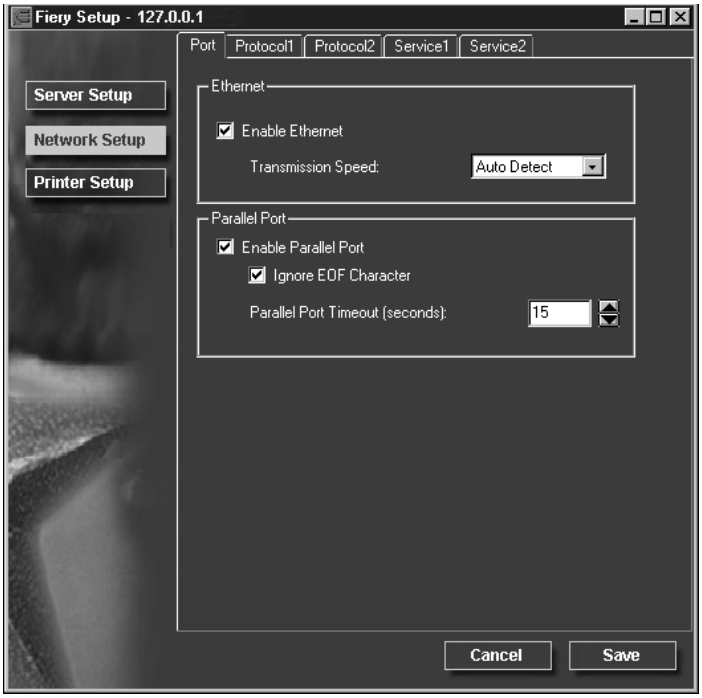
TO CONFIGURE NETWORK PORTS:

- **Click the Port tab in the Network Setup dialog box.**



You can adjust settings as detailed in the following sections.

Ethernet (Port Setup)

Enable Ethernet—Select if the Fiery 3850C is to be connected to an Ethernet network.

Transmission Speed—Select Auto Detect if your network environment is mixed, or select the speed (10 Mbps or 100 Mbps) of the network to which the Fiery 3850C is attached.

Parallel Port (Port Setup)

Enable Parallel Port—Select if you want to print through the parallel port. You can connect a single Windows computer to the parallel port and print directly to the Fiery 3850C.

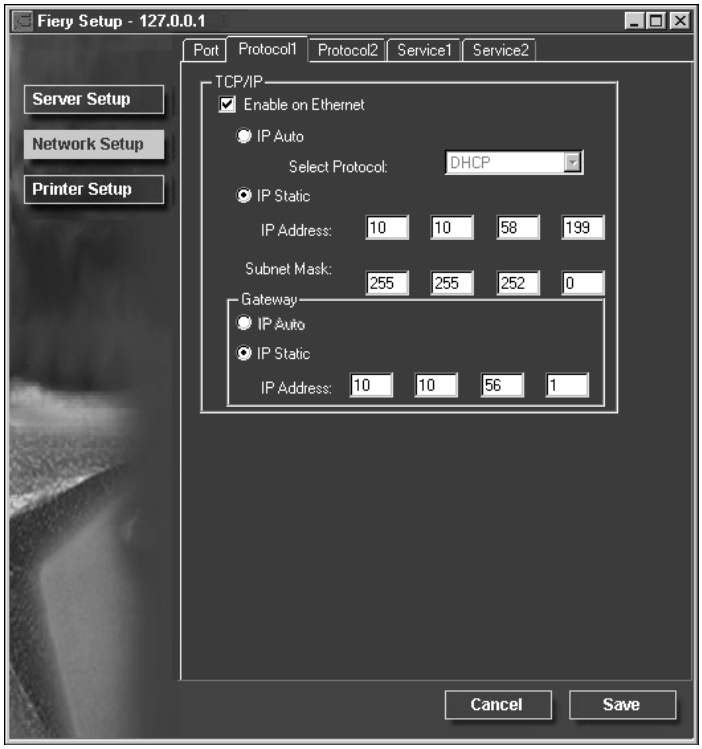
NOTE: Enabling the parallel port does not conflict with using Ethernet or Token Ring communication to the Fiery 3850C.

Ignore EOF Character—Available only if Enable Parallel Port is selected, this option specifies that the Fiery 3850C should ignore end-of-file (EOF) messages. Check this box to print PostScript files in binary format (not ASCII); under normal circumstances, the box should not be checked. When this option is selected, the Fiery 3850C uses the parallel port timeout value to determine when the end of the file has been reached.

Parallel Port Timeout (seconds)—Available only if Enable Parallel Port is selected, this setting determines how long the Fiery 3850C waits without receiving data from the parallel port before deciding that the current job is complete. Until the timeout, the Fiery 3850C cannot receive new jobs through the parallel port, but it can continue to receive network print jobs.

TO CONFIGURE THE TCP/IP PROTOCOL:

- **Click the Protocol1 tab in the Network Setup window.**



You can change AppleTalk, IPX/SPX, and TCP/IP protocol settings for the Fiery 3850C on the Protocol1 and Protocol2 tabs.

The Fiery 3850C can accept jobs via TCP/IP, AppleTalk, and IPX/SPX simultaneously. To configure the Fiery 3850C, choose each protocol and enter the settings for that protocol.

Enable Ethernet. If your network uses a gateway, enter the gateway address.

When you set an IP address, subnet mask, or gateway address for the Fiery 3850C during Setup, you can allow the Fiery 3850C to get these addresses automatically from a DHCP, BOOTP, or RARP server. First, turn on or reboot the Fiery 3850C and allow it reach Ready. Next, make sure the DHCP, BOOTP, or RARP server is running. Finally, perform Fiery 3850C Setup.

Protocol Setup (TCP/IP)

Enable on Ethernet—Click to enable if you have a TCP/IP network connected to the Fiery 3850C over Ethernet cabling.

You must enable TCP/IP for Ethernet to use the Fiery WebTools over Ethernet. If you are using TCP/IP for printing from Windows NT 4.0/2000 workstations, enabling TCP/IP here also enables you to use Fiery utilities from Windows NT 4.0/2000 workstations using TCP/IP protocols.

IP Auto (Ethernet)—Click to allow the Fiery 3850C to obtain its Ethernet IP address by searching the network. Depending on your network and the protocol you select (DHCP, BOOTP, or RARP), the IP address can change.

Select protocol (Ethernet)—Select the protocol over which the Fiery 3850C should search for its IP address. Both DHCP and BOOTP allow the Fiery 3850C to obtain the Ethernet IP address and Subnet Mask automatically. RARP obtains only the Ethernet IP address.

Depending on your network, the Fiery 3850C might be assigned a different address after you reboot the Fiery 3850C. With the DHCP setting, the Fiery 3850C can be assigned a different address even if it is not rebooted. Make sure the network is already configured properly for the protocol you select.

IP Static (Ethernet)—Click to assign the Fiery 3850C a static IP address, which will not change.

IP Address (Ethernet)—Enter the Fiery 3850C IP address for Ethernet. You must change the default to a valid address for your network. For information about setting up printing with TCP/IP, see Chapter 5.

Subnet Mask (Ethernet)—If you need to set the subnet mask, enter one of the following values:

- 255.0.0.0 if the IP address starts with a number less than 128
- 255.255.0.0 if the IP address starts with a number from 128 through 191
- 255.255.255.0 if the IP address starts with a number greater than 191

NOTE: Be sure to confirm the subnet mask setting with your network administrator before proceeding. In some cases the required setting may be different from those listed.

Gateway

If your TCP/IP network has a gateway, and users outside the gateway print to the Fiery 3850C using TCP/IP, enter the gateway address. Obtain the correct gateway address from your network administrator.

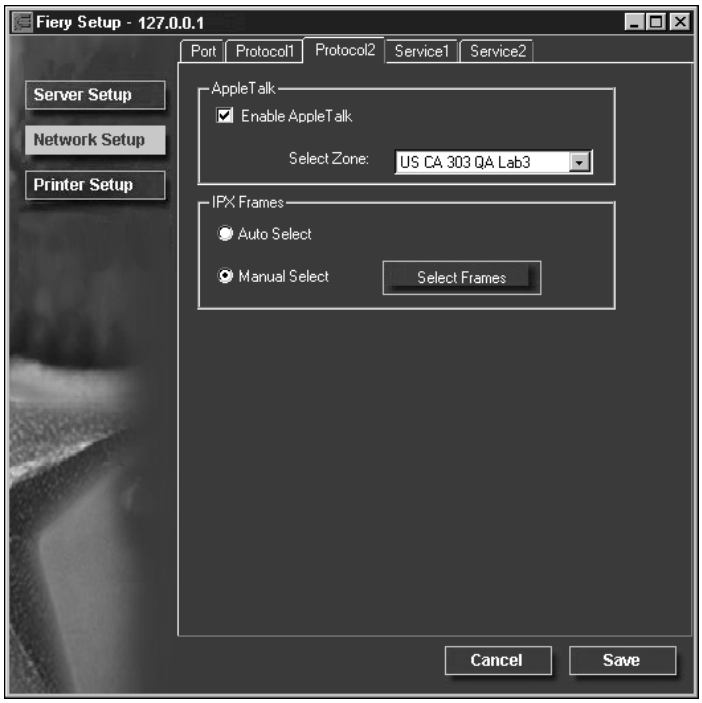
IP Auto—Use this option to get the gateway address automatically for printing with TCP/IP. This option is available only if you selected DHCP or BOOTP as the protocol.

If you select the DHCP or BOOTP protocol and later change it to RARP, you must return to Gateway Setup and enter a static Gateway address. You can then set the address manually. This is because RARP does not support automatic assignment of the gateway address.

IP Static—Use this option to set the gateway address for printing with TCP/IP. If your network uses a gateway, you must change the default to a correct gateway address for your network.

TO CONFIGURE APPLETALK:

- **Click the Protocol2 tab in the Network Setup window.**



Protocol Setup (AppleTalk)

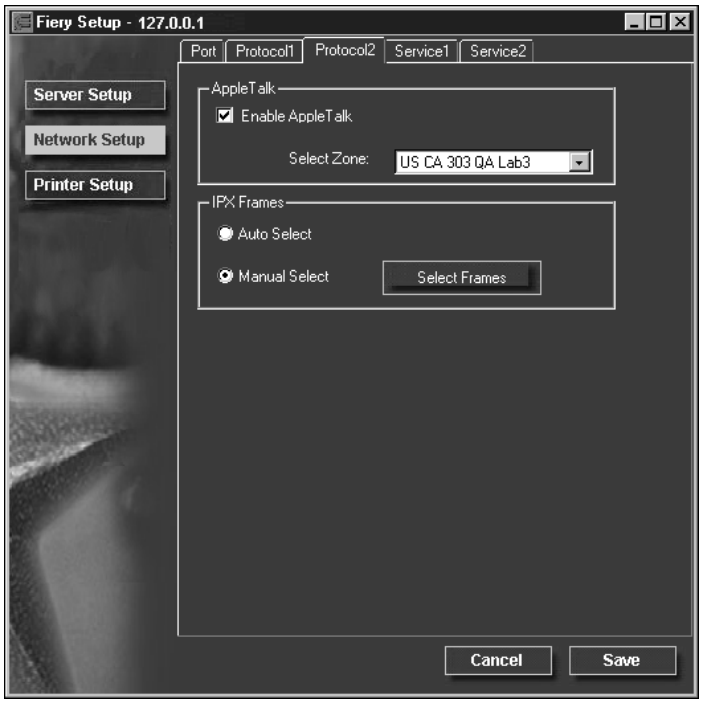
Enable AppleTalk—Select to enable Apple Talk if you have an AppleTalk network connected to the Fiery 3850C. This setting enables the Fiery 3850C to communicate over AppleTalk networks.

Select Zone—The Fiery 3850C searches the network for AppleTalk zones in your network segment. Scroll through the list to select the AppleTalk zone in which you want the Fiery 3850C to appear. If your segment has only one zone, the Fiery 3850C is assigned to that zone automatically.

If no AppleTalk zone can be found, your network may have no defined zones, or else the network cable has not been connected (see page 6-4). Choose OK.

TO CONFIGURE IPX FRAME TYPES:

- **Click the Protocol2 tab in the Network Setup window.**



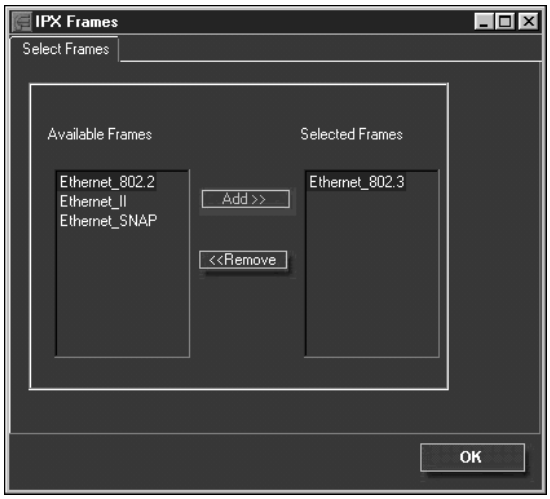
The Fiery 3850C supports these following Ethernet frame types for IPX/SPX: Ethernet 802.2, Ethernet 802.3, Ethernet II, and Ethernet SNAP. You can also allow the Fiery 3850C to select the frame type automatically.

Protocol Setup (IPX Frames)

Auto Select—Click Auto Select to specify all supported IPX frames, whether or not they are supported on your network. To determine the frame types that were successfully bound, save your settings, reboot the Fiery 3850C, and print a Configuration page.

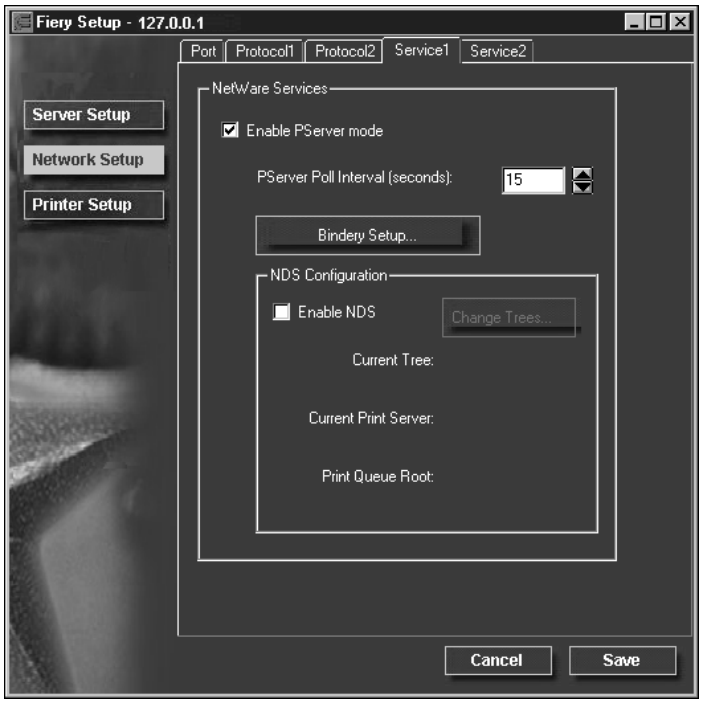
Manual Select—To specify IPX frames used with NetWare, click Manual Select, and click the Select Frames button. See your network administrator to verify which frame type to choose.

In the IPX Frames dialog box, select frames and use the Add and Remove buttons to specify the selected frames.



TO CONFIGURE PSERVER SETUP:

- **Click the Service1 tab in the Network Setup window.**



You can modify NetWare 3.x (Bindery), and NetWare 4.x/5.x (NDS) configurations. Turn on the Enable NDS option if your network uses NetWare 4.x/5.x in native mode. Click Bindery Setup if your network uses NetWare 3.x, or uses NetWare 4.x/5.x in bindery emulation mode.

NOTE: If your network uses *both* NDS and Bindery, set up NDS first. Setting up NDS after Bindery will overwrite Bindery Setup. If your network uses both NDS and Bindery, including using NetWare 4.x/5.x servers in bindery emulation, the Fiery 3850C cannot service NDS and bindery emulation servers on the same NDS tree.

PServer Setup (NetWare Services)

The Enable PServer option must be turned on if you have a Novell server connected. You can, however, change the PServer polling interval and then modify either Bindery Setup or NDS Configuration.

NOTE: The terms NetWare server, Novell server, and IPX server are in common use and are used here interchangeably to mean the server on an IPX network running Novell NetWare networking software.

PServer Setup (NDS Configuration)

In initial setup, the Fiery 3850C was connected to the network and an NDS directory tree, with a Printer, a Print Server, and one or more Print Queue objects for Fiery 3850C jobs (see page 5-7), was configured. To modify NDS Setup you may need permission to browse the NDS tree. If access to the Print Server is restricted, you will need a login password.

Enable NDS Check this box if NDS has already been enabled on the network.

Change Trees... Click to open the NDS Configuration window. This option is available only when Enable NDS is selected.

Add NDS Tree You can have only one NDS tree, so the following process is required to change trees:

1. **Select the current NDS tree and click Remove.**
2. **Select the new NDS tree and click Add.**

   Your new NDS tree selection automatically overwrites any previous tree selection. If you change the NDS tree selection and there are also current Bindery settings, you are alerted that they will be deleted. If you continue with NDS Setup, you can replace Bindery settings afterwards. To exit NDS Setup, choose Cancel.
3. **Click OK.**

   The Select login user window appears.

Select User Login

1. **Select the User Login object from the display in the Select User Login window.**
2. **Enter a password if necessary.**
3. **Click Next.**

   The Select print server window appears.

Select Print Server

1. **Select the print server from the display in the Select Print Server window.**
2. **Enter a password if necessary.**
3. **Click OK.**

   The Select print queue root window appears.

Select Print Queue Root

1. **Select the print queue root from the display in the Select Print Queue Root window.**
2. **Enter a password if necessary.**
3. **Click Finish.**

   The NetWare Setup window reappears, showing the new settings.

Enter Print Server Password

1. **Enter the Print Server password if necessary.**
2. **Choose OK.**

PServer Setup (Bindery Setup)

Use Bindery Setup if you have already configured one or more bindery servers (file servers running NetWare 3.x, or NetWare 4.x/5.x in bindery emulation) with a Print Server and a Print Queue for Fiery 3850C jobs (see page 5-7). Before entering bindery settings, be sure the Fiery 3850C is connected to the network and the NetWare file server is running. You will need a login name, and, if access to the file server or print server is restricted, you will need a login password.

Because you can set up more than one Novell server to handle Fiery 3850C print jobs, Bindery Setup allows you to add or delete new file server connections and view the connections you have selected. The options are:

Bindery Setup... Click the Bindery Setup button to bring up the Novell Setup window.

Novell Setup

1. **Click the server you want to add.**
2. **Click Add.**
3. **Enter your user name and password.**
4. **Click Next.**

   The Add Server window shows a list of print servers you can add.

Add Server

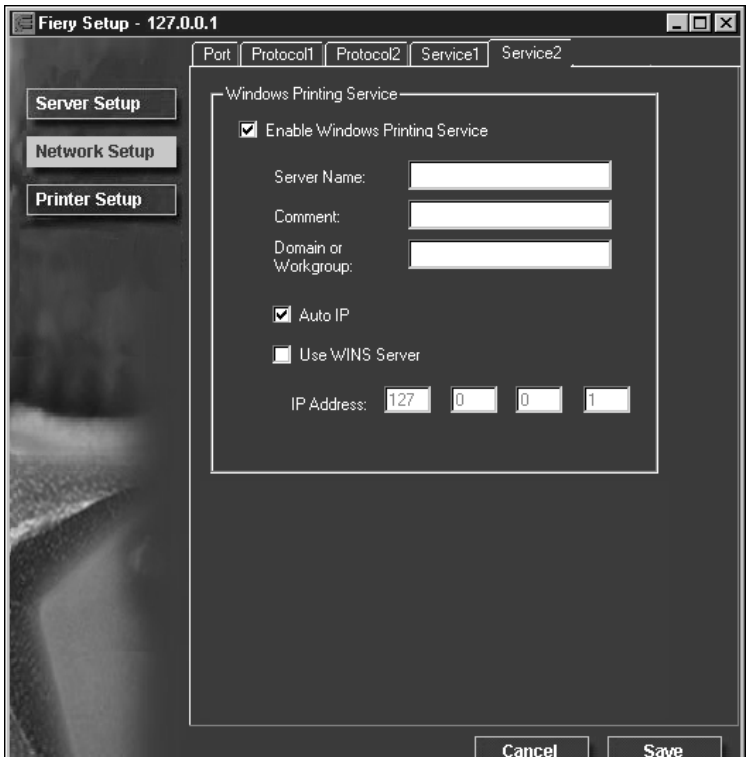
1. **Select a print server from the list on the left.**
2. **Enter a password if a password is required.**
3. **Click Finish.**

   You return to the main Novell Setup dialog box.

4. **Click OK.**

TO CONFIGURE WINDOWS PRINTING:

- **Click the Service2 tab in the Network Setup window.**



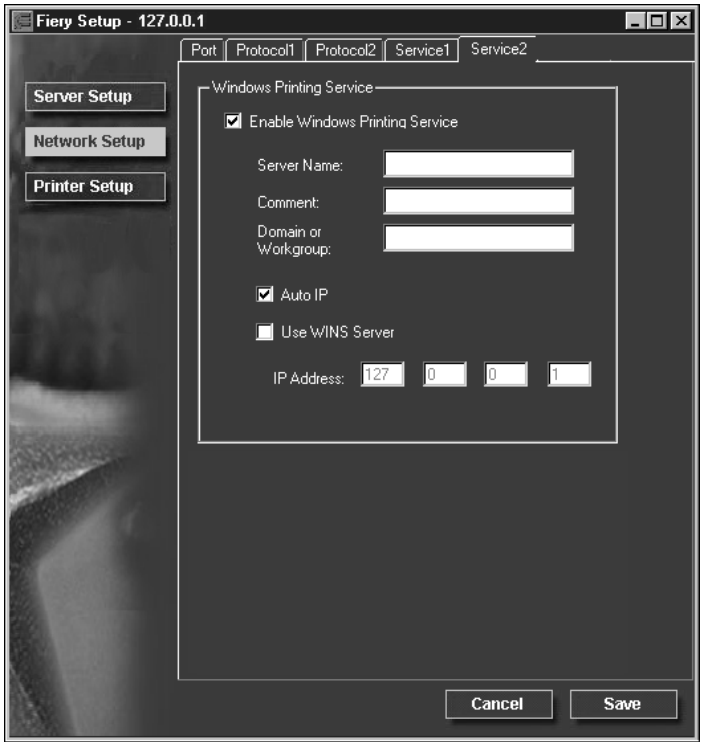
The Service2 tab provides the following:

- Windows Printing Service enables the Microsoft SMB protocol, which supports peer to peer printing, also known as Windows or SMB printing.

Service Setup (Windows Printing Service)

For setting up the Windows printing service, these characters are allowed in the text fields: uppercase letters, numerals, space, and the following characters:
- _ . ~ ! @ # $ % ^ & ( ) { } \ ' ,

NOTE: Lowercase letters are *not* allowed, except in the Comment field.



Enable Windows Printing Service—Select to enable SMB (Server Message Block), the file and printer sharing protocol built into Windows. Enabling SMB allows the Fiery 3850C to be listed on the network so that Windows clients can print to a particular print connection (Hold, Print, or Direct) on the Fiery 3850C without any other networking software. For information on how to set up a Windows client for Windows printing, see *Getting Started*.

NOTE: Windows (SMB) printing runs over TCP/IP, so TCP/IP must be configured on the Fiery 3850C and on workstations that use Windows printing.

Server Name—The server name is the name that will appear on the network. It can, but does not have to, be the same name as the server name assigned to the Fiery 3850C (see page 4-3).

Comment—You can enter information about the printer, up to 15 characters. These comments are listed in the Properties of the Fiery 3850C in Network Neighborhood. Lowercase letters are allowed in this field.

Domain or Workgroup—Enter the workgroup or domain where the Fiery 3850C should appear.

Auto IP—If you have already enabled IP Auto in Protocol Setup, and selected either DHCP or BOOTP as the protocol for obtaining an IP address, check this option to allow the Fiery 3850C to obtain the IP address automatically for the WINS Name Server. If you do not check this option, you can use the following two options to specify whether to use a WINS Name Server and what its IP address is.

Use WINS Server—Select to use a WINS name server. Broadcasts from SMB devices cannot be routed beyond their original network segment without a WINS name server. Setting up the WINS name server is outside the scope of this manual. To find out if a name server is available, contact your network administrator.

IP Address—Enter the IP address of the WINS name server.

Broadcasts from SMB devices cannot be routed beyond their original network segment without a WINS name server. Setting up the WINS name server is outside the scope of this manual. To find out if a name server is available, contact your network administrator.

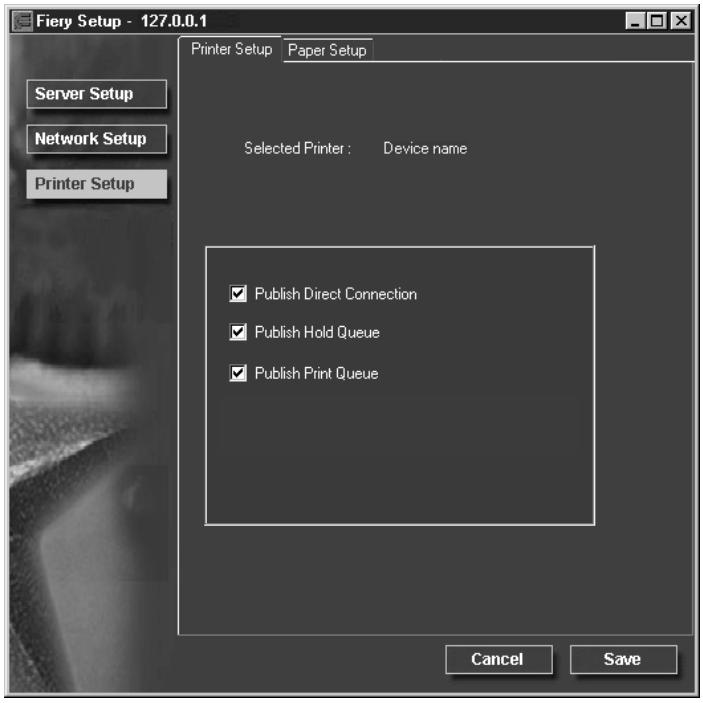
Printer Setup

From this window, you can access two tabs: Printer Setup and Paper Setup.

NOTE: In the following illustration, "Device name" represents the model of the printer connected to the Fiery 3850C, which is 3850C.

TO PUBLISH PRINT CONNECTIONS:

- **Click the Printer Setup tab.**



Printer Setup

Publish Direct Connection—Select to enable users to print (or download) jobs to the Fiery 3850C without spooling. When the Direct connection is published, users can print jobs to the Direct connection and download and delete printer fonts. Jobs printed to the Direct connection are not available to be reprinted from the Printed queue.

NOTE: The Direct connection must be published to download fonts.

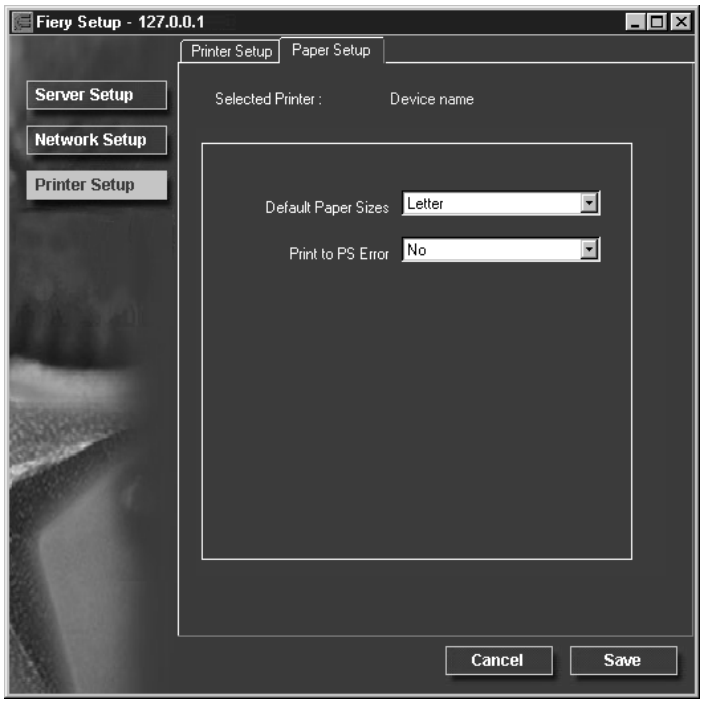
Publish Hold Queue—Select to enable users to print jobs to the Hold queue. Jobs printed to the Hold queue are not processed until the administrator or the operator releases them for printing from the job management tools. For users to use Fiery utilities, you must publish the Hold queue, regardless of whether users send jobs to the Hold queue.

Publish Print Queue—Select to enable users to print jobs to the Print queue. Jobs printed to the Print queue are spooled on the Fiery 3850C disk.

TO SET PAPER SETUP OPTIONS:

- **Click the Paper Setup tab in the Printer Setup window.**

  NOTE: In the following illustration, "Device name" represents the model of the printer connected to the Fiery 3850C, which is 3850C.



Paper Setup

On the Paper Setup tab, you can set most of the same options as appear on the Fiery 3850C Control Panel for PS Setup. For more information about color options, see the *Color Guide*.

Default Paper Sizes—Specify whether to print on US paper sizes (for example, letter,), or Metric paper sizes (for example, A4) by default.

Print to PS Error—Specify whether the Fiery 3850C should print the available portion of a print job when it encounters a PostScript error. In general, this option should be set to No.

- When this option is set to No, printing of the entire job is canceled when a PostScript error occurs, but the processed portion of the job and the PostScript error information are stored on the Fiery 3850C. You can view the job and the error information from the job management tools.
- When this option is set to Yes, the portion of the job processed before the error occurred is printed.

Exiting Setup

When you have finished specifying Setup options, click Save and close the Setup dialog box. You must reboot the Fiery 3850C for the new settings to take effect. Click Reboot Server and then click Yes in the reboot dialog box.

After you have completed Setup and rebooted the Fiery 3850C for the first time, install user software for printing on remote workstations as described in *Getting Started*. To confirm the network connection and your Setup, print a test job from a remote workstation.

Printing the Configuration page

The Configuration page lists the settings in effect for the current Setup. After you have performed Setup, print a Configuration page to confirm your settings.

TO PRINT THE CONFIGURATION PAGE FROM THE CONTROL PANEL:

1. **At the Control Panel, press the Menu button.**
2. **Choose Print Pages From List.**
3. **Choose Configuration.**

You can also print a Configuration page from Command WorkStation (available as an option). The other pages you can print from the Command WorkStation include the test page, Job Log, color charts, and font list. For information on these Fiery 3850C pages, see the *Job Management Guide*.

TO PRINT THE CONFIGURATION PAGE FROM COMMAND WORKSTATION:

1. **From the Command WorkStation, choose Print Pages from the File menu.**
2. **Click Configuration.**
3. **Click Print.**

Post the current Configuration page near the Fiery 3850C for quick reference. Users need the information on this page, such as the current printer default settings.

Chapter 5: Setting up Network Servers

This chapter describes environments that typically include one or more network servers—Novell NetWare servers and Windows NT 4.0/2000 servers—that share printing to the Fiery 3850C. It describes setting up servers that use IPX/SPX or TCP/IP protocols for communicating with the Fiery 3850C. In addition, it includes guidelines for setting up direct communication from Windows NT 4.0/2000 and UNIX workstations, where a network server is optional. The chapter also outlines the requirements for users to print to the Fiery 3850C and to run the Fiery utilities and Fiery WebTools.

The Fiery 3850C can accept jobs concurrently from NetWare, Windows NT 4.0/2000, and AppleShare servers, as well as jobs sent directly from Windows NT 4.0, Windows 2000, or UNIX workstations. Because AppleShare servers require no special configuration, they are not discussed in this chapter, except for use in a Windows NT 4.0/2000 environment (see "Fiery 3850C on a TCP/IP network with Windows NT 4.0/2000" on page 5-11).

If your network is based on Windows NT 4.0/2000, proceed to page 5-11. For information on UNIX workstations, proceed to page 5-18.

NOTE: Windows XP is supported. If you use Windows XP, follow the procedures for Windows 2000.

Support for Fiery utilities

The following table describes the Fiery utilities supported over each protocol and Windows platform. More information is provided in later sections, according to your network type.

Fiery utility:	Windows 9x/Me/2000 IPX:	Windows 9x/Me/2000 TCP/IP:	Windows NT 4.0/2000 IPX:	Windows NT 4.0/2000 TCP/IP:
ColorWise Pro Tools	—		—	
Command WorkStation (available as an option)	—		—	

Fiery 3850C on a NetWare 5.x network with NDPS

The Fiery 3850C supports printing over a NetWare 5.x network running either the TCP/IP protocols or the IPX protocol. For pure IP printing, the Fiery 3850C takes advantage of features in NDPS (Novell Distributed Print Services). For IPX printing, the Fiery 3850C supports the PServer service in Bindery emulation or through NDS (Novell Directory Services). For more information on IPX-based printing, see "Fiery 3850C on a NetWare 3.x or 4.x network" on page 5-5.

NOTE: Setting up a NetWare environment correctly requires the presence and active cooperation of the Novell network administrator. You must have administrator privileges on the network to create new NDS or bindery objects.

NDPS is not like the earlier queue-based versions of NetWare printing. Instead, you use an NDPS Manager and a Printer Agent, which control the tasks previously handled by a print queue, print server, and spooler. You can also make the printer driver available for clients to download from Windows computers.

The Fiery 3850C can receive print jobs from NetWare clients over EthernetDuring Fiery 3850C Setup, you select the frame type or types that will be used for communication between the Fiery 3850C and network servers. Frame type refers to the format of a communications packet; frame types are specified in a startup file when the NetWare server (or any other workstation) loads its network drivers.

Tips for experts—NetWare 5.x networks

Setting up the Fiery 3850C in an NDPS environment is similar to setting up any other PostScript printer on the network. The following information is useful for experienced network administrators:

- **Make sure you have a valid IP address for the Fiery 3850C and for any workstations that will print to it or run the Fiery utilities.**
- **In Fiery 3850C Setup, enable TCP/IP and enter the IP address, Subnet mask, and Gateway address for the Fiery 3850C. You can enter these manually or use DHCP, RARP, or BOOTP protocols to assign the addresses dynamically.**
- **Bi-directional communication features in NDPS are not supported on the Fiery 3850C.**

Configuring a NetWare 5.x server for printing

Before you begin

The following procedure assumes NDPS has been installed during NetWare 5 installation and that a Broker is running on the server. Unless you have manually unloaded the Broker, it loads and runs when you install NDPS. Make sure you are using the latest NetWare 5.x service pack and Novell Gateway. Finally, create an NDPS Manager. For more information, see your NetWare documentation.

In Fiery 3850C Setup, make sure you have enabled TCP/IP (page 3-12) on the Fiery 3850C. You can ping the Fiery 3850C (page 5-21) to verify that TCP/IP communication is successful.

Setting up the Fiery 3850C printer driver

You first need to create a directory for Windows NT 4.0/2000 or a folder for Windows 95/98/Me in the NetWare server for NDPS to install the corresponding printer driver files from the User Software CD.

TO SET UP THE PRINTER DRIVER FOR WINDOWS NT 4.0/2000

1. **Log in to the Novell file server as a superuser or Administrator.**
2. **In the SYS:ndps\resdir\Prndrv\NT4/2000 directory, create a directory called Fiery.**
3. **From the User Software CD, copy the contents of the ENGLISH\PS_DRVR\WIN_NT4x/2000 or ENGLISH\PCL_DRVR\WIN_NT4x/2000 folder to the Fiery directory.**

TO SET UP THE PRINTER DRIVER FOR WINDOWS 95/98/ME

1. **Log in to the Novell file server as a superuser or Administrator.**
2. **In the SYS:ndps\resdir\Prndrv\Win95/98/Me directory, create a folder called Fiery.**
3. **From the User Software CD, copy the contents of the ENGLISH\PS_DRVR\WIN_9x_ME or ENGLISH\PCL_DRVR\WIN_9x_ME folder to the Fiery directory.**

Setting up the Fiery 3850C on a NetWare 5.x network

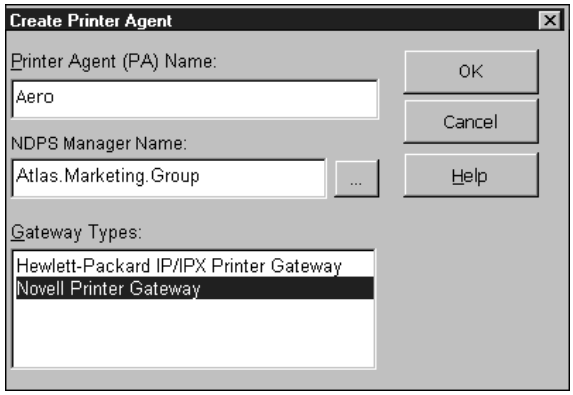
Depending on the security needs at your organization, you can set up the Fiery 3850C as a Public Access printer or a Controlled Access printer. The following procedure describes setting up a Public Access printer. You can then convert this type of printer to Controlled Access if necessary. For more information, see your NetWare documentation.

TO SET UP THE FIERY 3850C AS A PUBLIC ACCESS PRINTER:

1. **In NetWare Administrator, double-click the NDPS Manager object you have created.**
2. **In the Details window for the NDPS Manager object, click the Printer Agent List button.**

   The list of Printer Agents appears.
3. **Click New.**

   The Create Printer Agent dialog box appears.
4. **In the Printer Agent (PA) Name field, enter a name.**



5. **Under Gateway Types, select Novell Printer Gateway, and click OK.**
6. **In the Configure Novell PDS for Printer Agent dialog box, select "((NONE))", and click OK.**
7. **In the Configure Port Handler dialog box, choose "Remote LPR on IP" as the connection type, and click Next.**
8. **For Host Address, enter the IP address of the Fiery 3850C.**

9. **For Printer Name, enter the name of the Fiery 3850C print connection you want users to print to, and click Finish.**

   This name must be either print or hold.

10. **In the Select Printer Drivers dialog box, select the printer driver for Windows 9x/Me/2000 and the driver for Windows NT 4.0.**

11. **Click Continue, and click OK.**

Fiery 3850C on a NetWare 3.x or 4.x network

The NetWise features built into the Fiery 3850C support the following network operating environments:

- NetWare 4.x—NDS (Novell Directory Services)
- NetWare 3.x—Bindery services
- Servers running NetWare 4.x in bindery emulation mode

For Ethernet-based networks, the IPX/SPX protocol is supported.

NOTE: Setting up a NetWare environment correctly requires the presence and active cooperation of the Novell network administrator. You must have administrator privileges on the network to create new NDS or bindery objects.

The term "bindery server" is used to refer to a Novell file server running NetWare 3.x, or running NetWare 4.x in emulation mode. The term "NDS" is used to describe components of a NetWare operating system running NetWare 4.x in native mode.

NetWare clients print to the Fiery 3850C through the Novell network server. Server setup and client network setup are outlined in this chapter. Client printing setup is described in *Getting Started,* and printing is described in the *Printing Guide.*

During Fiery 3850C Setup, you select the frame type or types that will be used for communication between the Fiery 3850C and network servers. Frame type refers to the format of a communications packet; frame types are specified in a startup file when the NetWare server (or any other workstation) loads its network drivers.

Tips for experts—IPX networks

Setting up the Fiery 3850C is similar to setting up any other PostScript printer on the network. The following information is useful for experienced network administrators.

The Fiery 3850C with IPX connections has these characteristics:

- **Both NetWare 3.x and NetWare 4.x are supported directly. NetWare 4.x is also supported through bindery emulation.**
- **A minimum connection to the Fiery 3850C consists of a NetWare file server, a NetWare print server, and a NetWare queue.**
- **A single directory tree (for NetWare 4.x) and up to eight bindery servers can be configured simultaneously.**
- **The Fiery 3850C looks for print jobs on one NetWare print server per bindery server.**
- **Each print server can store jobs for any print connection on the Fiery 3850C.**

Overview of IPX printing to the Fiery 3850C

NetWare file servers support the creation of print queues, which are storage areas for print jobs. When a client on a remote computer decides to print, the job is directed to a print queue on the NetWare file server and spooled to the NetWare server disk, freeing up the client workstation.

The queues on the NetWare server must be named to match the Direct connection, Hold queue, and Print queue on the Fiery 3850C. The NetWare queue names should be given an extension corresponding to the Fiery 3850C print connection, as follows:

_print
_hold
_direct

NOTE: These extension names must be in English and in all lowercase letters.

There is no need to rerun Setup when adding or removing a NetWare queue; however, you should reboot the Fiery 3850C after a queue is created or removed.

When the Fiery 3850C is configured to connect to a NetWare server, it polls the NetWare server for jobs in each of its queues. If jobs are found, they are automatically transferred over the network to the matching connection on the Fiery 3850C. For example, jobs from the NetWare queue with the _print extension are sent to the Fiery 3850C Print queue, and so on. While a job is processed and printed, a record of the job is being created. You can access the Job Log containing these records at any time.

Configuring a NetWare 3.x or 4.x server for printing

The following sections explain how to set up a NetWare file server so that networked users can print to the Fiery 3850C from their workstations, and the Fiery 3850C can obtain print jobs from the NetWare server.

For *each* NetWare file server that you configure, follow these general steps. More detail is provided in subsequent sections and in your NetWare documentation.

- Make sure the server is connected to a functioning IPX network.
- Log in as the Supervisor on a PC connected to the NetWare file server.
- For NetWare 4.x installations, set up an NDS connection (see page 5-9).
- For NetWare 4.x in emulation mode, set the bindery context (see page 5-9).
- For NetWare 3.x and for NetWare 4.x in bindery emulation, set up a file server, a print server, and a print queue for the Fiery 3850C (see page 5-10).

With bindery services, you can route all Fiery 3850C print jobs through the same NetWare file server, or you can configure more than one file server to handle Fiery 3850C jobs.

The functions you perform on the Novell server, on the Fiery 3850C, and on the client workstation, are summarized in the following tables. The first table applies to NDS connections, the second to bindery connections. Complete the operations in the left column, then the center column, then the right column.

Configuring an NDS connection

Abbreviations:
FS = file server
PS = print server
PQ = print queue (on the NetWare server)

On NDS FS:	In Setup:	On client workstation:
In NETADMIN: Create NDS PQs Create NDS printer and assign PQs Create PS and assign the printer Configure users of the PQs	**Port Setup** Ethernet Setup **Protocol Setup** IPX/SPX Setup—select frame types **Service Setup** PServer Setup and NDS Setup Select Root Browse to select PS Specify PQ search root (optional) Set Polling Interval	Install user software For printing: Connect client to PQs that you set up on the NetWare FS (associated with the PS selected in NDS Setup)

Configuring a bindery connection

On Bindery FS:	In Setup:	On client workstation:
In PCONSOLE: Select NetWare FS (up to 8) For each FS: Configure PS Configure PQ Configure users of the PQ	**Port Setup** Ethernet Setup **Protocol Setup** IPX/SPX Setup—select frame types **Service Setup** PServer Setup and Bindery Setup Add FS (up to 8) Set Polling Interval	Install user software For printing: Connect client to PQs that you set up on the NetWare FS (associated with the PS selected in Bindery Setup)

Setting up an NDS connection

In NDS, all NetWare entities (objects) are organized in a hierarchical tree structure. Objects have a name, properties, and a context which defines the location of the object in the directory tree. For the Fiery 3850C you are mainly concerned with defining a printer, a print server object and one or more print queue objects. Objects are created in NetWare administrator programs such as PCONSOLE, NETADMIN, or NetWare Administrator.

The top-level tree object is known as the [Root] object. The name of the [Root] object is also the name of the tree. Below the [Root] are other objects: either containers (which consist of other objects) or leaf objects (which do not contain other objects). Access to objects is controlled by rights that are defined as properties of each object. Rights are established by network administrators.

Setting the NetWare 4.x bindery context

You can connect only one directory tree to the Fiery 3850C. If you need to connect additional NetWare 4.x servers, you can do so by using bindery emulation, which causes the 4.x server to behave like and be accepted as a NetWare 3.x server.

NOTE: The file server selected must not be in the same tree as that selected in NDS Setup.

Up to eight bindery servers, whether in native 3.x mode or in 4.x emulation, can connect to the Fiery 3850C. If your server is using NetWare 3.x, proceed to "Setting up a NetWare print queue for bindery" on page 5-10.

In order to set up the NetWare 4.x server in bindery emulation mode for printing to the Fiery 3850C, the network administrator must do the following:

- Determine the Directory Services path to the container in which the print server and the print queue for the Fiery 3850C will be created.

  The container defines the "bindery context" for your network structure.

- Edit the network startup file to set the bindery context.
- Activate the new bindery context.

Setting up a NetWare print queue for bindery

For NetWare 3.x and for 4.x in emulation, the NetWare print server and print queue for Fiery 3850C are created and configured from NetWare Print Console (PCONSOLE), a NetWare utility that is stored in NetWare's PUBLIC directory.

As with NDS, first you create several NetWare entities on a Novell server, then you select them in Network Setup (see page 3-23).

Setting up NetWare Windows clients for printing

Before setting up client workstations for printing, make sure you perform Network Setup (see page 3-8), and that the settings reflect the entities you created in the NetWare administrator utilities (see page 5-7).

NOTE: For printing to the Fiery 3850C, connect all Windows clients to a Novell NetWare server and permit them to connect to the Netware print server or servers on which you defined a NetWare print queue for the Fiery 3850C.

After the Novell server and Fiery 3850C have been set up, client setup consists of:

- Installing the networking protocol, binding it to the network adapter card, and permitting the client to log in to the NetWare file server.

  On Windows 9x/Me/2000 workstations, both the IPX/SPX-compatible protocol and the Client for NetWare Networks should be loaded from the Network Control Panel.

  On Windows NT 4.0/2000 workstations, install Client Services for NetWare. Use the CSNW option in the Windows Control Panel to set printing options and specify a preferred NetWare server.

- Setting up the Fiery 3850C as a PostScript printer by installing a PostScript printer driver and the Fiery 3850C PPD (PostScript printer description).

- Adding a network port and connecting the workstation to one or more NetWare queues that have been defined for the Fiery 3850C.

  See *Getting Started* for details on how to connect Windows 9x/Me/2000 and Windows NT 4.0 workstations.

- Installing Fiery 3850C software, such as color reference files.

  See *Getting Started* for details.

Fiery 3850C on a TCP/IP network with Windows NT 4.0/2000

When a Windows NT 4.0/2000 computer is configured to connect to the Fiery 3850C using TCP/IP, it can print directly to the Fiery 3850C. If the computer shares the printer over the network, it is acting as a print server to all Windows clients. Client machines print to the Fiery 3850C by printing to the Windows NT 4.0/2000 print server. Printing can then be monitored and controlled at the Windows NT 4.0/2000 server machine.

Typical system combinations are:

- Print server running Windows NT 4.0/2000 Server; clients running Windows NT 4.0/2000 Workstation and Windows 9x/Me/2000
- Print server running Windows NT 4.0/2000 Workstation and clients running Windows 9x/Me/2000

With TCP/IP protocols loaded, you can run the Fiery utilities and Fiery WebTools from a Windows computer.

The Windows NT 4.0/2000 server can also use AppleTalk protocols for printing to the Fiery 3850C as an alternative to TCP/IP. When creating a printer to share with AppleTalk users, do not "capture" the printer. Capturing the printer forces all users to print to the server rather than directly to the printer. If you capture the printer, Fiery 3850C print connections will not appear in the Mac OS Chooser.

Tips for experts—Windows NT 4.0/2000 with TCP/IP

Setting up printing from Windows NT 4.0/2000 using TCP/IP protocols is similar in some respects to setting up UNIX workstations with TCP/IP. When TCP/IP network connections are made from Windows NT 4.0/2000 workstations, note the following:

- **Make sure you have a valid IP address for the Fiery 3850C and for any workstations that will print to it or run the Fiery utilities.**
- **In Fiery 3850C Setup, enable TCP/IP and enter the IP address, Subnet mask, and Gateway address for the Fiery 3850C.**

  You can enter these addresses manually or use DHCP, RARP, or BOOTP protocols to assign them dynamically.

- **Make sure the Fiery 3850C name and address are listed in a domain name server (DNS) or hosts name database used by your system.**
- **Make sure the system host table includes the correct internal name for the Fiery 3850C as a remote printer.**

  See page 5-20 for more information.
- **For Windows NT 4.0/2000, install the appropriate printer driver files on the Windows NT 4.0 /2000 server.**

  For more information, see *Getting Started.*
- **Repeat the installation for everyone who prints to the Fiery 3850C.**

  Each server and workstation running the Fiery utilities with TCP/IP also needs the TCP/IP protocol and the Fiery utility software.

Configuring a Windows NT 4.0/2000 server to support the Fiery 3850C

To configure a Windows NT 4.0/2000 server to communicate with the Fiery 3850C, follow these general steps. More detail is provided in subsequent sections and in your Microsoft documentation.

- Load the TCP/IP network protocol on the server and configure it with an IP address, subnet mask, and gateway.
- Enter the host name of the Fiery 3850C in the host database used by your system (see page 5-13).
- Perform Fiery 3850C Setup.
- On the Windows NT 4.0/2000 server, create a printer for each Fiery 3850C print connection, install the appropriate printer drivers and (optionally) share the printer on the network (see page 5-14).
- Enter the host name and remote printer name of the Fiery 3850C in the printer connection. See page 5-20 for more information.
- If the Windows NT 4.0/2000 server is also a workstation, install the Fiery utilities (see *Getting Started*).

Adding the Fiery 3850C to the TCP/IP network

If your TCP/IP network consists of Windows NT 4.0/2000 servers and Windows NT 4.0/2000 clients, use the directions in this section. If the network also includes UNIX workstations, also refer to the directions on page 5-20.

TO ADD THE FIERY 3850C TO A TCP/IP NETWORK WITH A WINDOWS NT 4.0/2000 SERVER:

1. **Register the IP address of the Fiery 3850C in the host name database used by your system.**

   For installations that do not have a network administrator or a central host name database, add the Fiery 3850C to the hosts file on the Windows NT 4.0/2000 server. Also add it to the hosts file on any workstations that have TCP/IP loaded and will use the Fiery utilities.

   The Windows NT 4.0/2000 hosts file provides compatibility with the UNIX hosts file. The hosts file is used as a local Domain Name Services (DNS) equivalent. It has the same format as the /etc/hosts file on UNIX servers. The format of the hosts entry is:

   IP Address<TAB>host name<TAB>#comments

   where <TAB> indicates that you press the Tab key.

   To determine the IP Address and Server Name of your system, print a Configuration page (see page 3-38).

   NOTE: If the Fiery 3850C has already been defined in an /etc/hosts file or equivalent host name database on a UNIX workstation on your network, it is recommended that you use the same host name here as you used for the name of the remote printer in the /etc/printcap file.

2. **Perform Fiery 3850C Setup to support TCP/IP printing.**

   Enter the options in Protocol Setup (IP address of the Fiery 3850C, Subnet mask, and Gateway address).

Installing the Fiery 3850C as a shared printer

The first step in creating a printer is installing the printer driver files, which gives your applications access to printer features. The installation instructions in *Getting Started* can be used for every workstation that will print directly and independently to the Fiery 3850C. When a printer is shared, clients who are not able or are not given permission to establish an independent network connection to the Fiery 3850C can still print through the server.

You can specify sharing of the printer during installation of the Fiery 3850C printer files. If you have not yet installed the Fiery 3850C printer files on the Windows NT 4.0/2000 print server computer, do so now following the instructions in *Getting Started*. During installation, enter the information necessary to share the Fiery 3850C.

If you have already installed the Fiery 3850C printer files on the computer you are using as an NT 4.0/2000 print server, see your Windows documentation for information about sharing the Fiery 3850C.

If more than one Fiery 3850C print connection is published (for example, if both the Print queue and the Hold queue are published), you may wish to create a printer for each print connection so that you and other users can print to each connection directly. When prompted to specify the printer name, enter a name that indicates the Fiery 3850C print connection.

Configuring clients of a Windows NT 4.0/2000 server

Each client of a Windows NT 4.0/2000 server is already using a network protocol to communicate with the server. Each client can print to the Fiery 3850C if it has been shared by a Windows NT 4.0/2000 Server or Windows NT 4./2000 Workstation. In that case, the client does not have to use the same network protocol to connect to the Windows NT 4.0/2000 server as the server uses to communicate with the Fiery 3850C.

TO CONNECT AND PRINT TO THE FIERY 3850C SHARED BY A WINDOWS NT 4.0/2000 SERVER:

- **For Windows 9x/Me/2000 clients, before printing, double-click the Windows NT 4.0/2000 server icon in the Network Neighborhood window, and double-click the printer name.**

  You will be prompted to set up the printer. When you choose to set it up, the Add Printer Wizard dialog box appears. Follow the procedures in *Getting Started*.

- **For Windows NT 4.0 clients, before printing, connect to the print server computer and select the Fiery 3850C. Right-click and choose the Open command.**

  When prompted, click Yes to have Windows set up the printer.

After clients have selected the printer, they can choose it from the Print Setup, Page Setup or Print dialog box of their application. Clients can change printing options for their own job, but printer properties are grayed and not available for changing. When a client chooses Print, the job is transmitted to the Windows NT 4.0/2000 print server, and from there to the selected print connection on the Fiery 3850C. The job is listed in the Print Manager on the client workstation, and the administrator can track it in the Fiery 3850C window in the Print Manager on the Windows NT 4.0/2000 print server.

Configuring Windows computers without a Windows NT 4.0/2000 server

If your network does not have a Windows NT 4.0/2000 server, Windows computers can still print to the Fiery 3850C. This method of printing is called Windows printing, sometimes known as SMB printing. In this type of network environment, the Windows computers operate in a peer-to-peer environment and communicate directly with the Fiery 3850C when users send print jobs.

Many of the same prerequisites for setting up printing through a Windows NT 4.0/2000 server also apply to setting up Windows printing where a server is not present. The prerequisites are summarized below, and you can find more detail in the Fiery 3850C documentation and your Microsoft documentation.

- **Print a Configuration page (see page 3-38).**

  Use the information on this page to determine the current Fiery 3850C settings.

- **Load the TCP/IP network protocol (for Windows 9x/Me/2000 only, also load Client for Microsoft Networks) on the computer.**

- **Verify the Workgroup name of the computer in the Windows Network control panel.**

  Make sure the Workgroup name is the same as the one listed in Fiery 3850C Setup.

- **For Windows 9x/Me/2000 only, in the Windows Network control panel, configure the computer to allow file sharing, and then restart the computer.**

- **Ping the Fiery 3850C (see page 5-21) to verify TCP/IP communication is successful.**

Configuring the Fiery 3850C and clients for Fiery WebTools

The Fiery WebTools provide access to many Fiery 3850C functions via the Internet (or intranet), providing additional flexibility in remote management. You can access the Fiery WebTools from a Windows or Mac OS computer.

TO SET UP FIERY WEBTOOLS ON THE FIERY 3850C:

1. **In Fiery 3850C Network Setup, enable TCP/IP.**
2. **Set a valid, unique IP Address for the Fiery 3850C, and then set the subnet mask. Set a gateway address if necessary.**
3. **In Fiery 3850C Printer Setup, confirm the Print Queue is published.**

To set up Fiery WebTools on a computer:

1. **Enable TCP/IP networking.**
2. **Assign the workstation a valid, unique IP address and subnet mask, and a gateway address if needed.**
3. **Install an Internet browser that supports the Java language and frames.**

   Make sure Java is enabled. See *Getting Started* for more information on supported browsers and on Fiery WebTools requirements.

To access the Fiery WebTools:

1. **Start the Internet browser.**
2. **Enter the IP address or DNS name of the Fiery 3850C.**
3. **Press Enter.**

   The Fiery 3850C home page appears. Click the name of a particular WebTool to use it.
4. **Use the Configure button to enable only certain WebTools for users.**

Setting the WebLink destination

The pre-set WebLink destination can be changed; this function requires the Administrator password, if one has been set.

TO CHANGE THE WEBLINK DESTINATION:

1. **Start your Internet browser application.**
2. **Enter the IP address or the DNS name of the Fiery 3850C.**

   The Fiery 3850C home page appears.
3. **Enter the Administrator password (if required) and click OK.**
4. **Press the Control key (Mac OS) or Ctrl key (Windows) as you click the WebLink button.**

   The Update WebLink dialog box appears.
5. **Enter the new WebLink address (URL) and click OK.**

Fiery 3850C on a network with UNIX workstations

When a UNIX workstation is configured with the lpd protocol, and connected to the Fiery 3850C over a TCP/IP network, it can print directly to the Fiery 3850C.

Setting up UNIX workstations requires an administrator with root privileges. After the initial configuration, UNIX users simply submit print jobs to a named printer.

The job management tools, along with the other Fiery utilities and Fiery WebTools, are not available on the UNIX platform. A Windows or Mac OS computer on the same network as the UNIX computer that is set up to use TCP/IP for printing to the Fiery 3850C can use the job management tools to manage print jobs that originate from all workstations on the network.

Tips for experts—UNIX workstations

Setting up the Fiery 3850C in a UNIX environment has the same requirements as setting up any printer or new device:

- **A distinct IP address is needed for the Fiery 3850C as well as for each workstation on the network.**
- **You select a name for the Fiery 3850C that goes with the IP address.**
- **The IP address of the Fiery 3850C must be registered for the network in a host database, and also on the Fiery 3850C itself.**
- **The Print queue or the Hold queue (or both) must be published.**

The following information applies especially to the Fiery 3850C:

- **Fiery 3850C is a printer controller that understands lpd protocols.**
- **Fiery 3850C has a remote printer name you must use in order to communicate with it successfully.**

See the next section for details.

Important note about the remote printer name

Whichever UNIX system you use, the name used for remote printer (or rp in the /etc/printcap file) in configuring the Fiery 3850C must be one of the following:

xjprint
xjhold
xjdirect

The remote printer name is also used when setting up Windows NT 4.0/2000 Workstation or Windows NT 4.0/2000 Server to connect to the Fiery 3850C over TCP/IP. Enter the remote printer name when you set up your Windows NT 4.0/2000 printer, as the "Name of printer or print queue on that (lpd host) server" in the Add LPR Compatible Printer dialog box (see *Getting Started*).

Setting up the Fiery 3850C on TCP/IP networks

Every machine (host) on a TCP/IP network, including the Fiery 3850C, must have a unique 32-bit internet address (IP address). Contact your network administrator to obtain an address for the Fiery 3850C. Workstations on a TCP/IP network can print directly to the Fiery 3850C as a remote printer, or can print to a Windows NT 4.0/2000 server or UNIX workstation acting as a print server. Since the Fiery 3850C spools jobs and acts as a print server, there is no advantage in placing another print server between a workstation and the Fiery 3850C. If you choose to do so, however, there is no difference in setup except that a client machine does not have its own spooling area.

TO SET UP FIERY 3850C PRINTING ON UNIX SYSTEMS:

1. **Specify the appropriate settings in Fiery 3850C Server Setup.**

   To access Fiery 3850C Setup, see page 3-3.

2. **Specify the appropriate settings in Fiery 3850C Network Setup.**

   Enter a valid IP address, subnet mask and gateway address for the Fiery 3850C.

3. **Specify the appropriate settings in Fiery 3850C Printer Setup.**

   Publish the Print queue and/or the Hold queue.

TO SET UP TCP/IP FOR COMMUNICATION WITH THE FIERY 3850C:

1. **A superuser (with root login) must add the Fiery 3850C to the network's IP host table or other system database of network printers.**
2. **In the file or utility used by your network, specify the remote printer name, the print server protocol, the queue, and the spool file for the Fiery 3850C name you assigned.**
3. **Make the Fiery 3850C available as a printer to other network users.**
4. **To verify the TCP/IP connection, ping the IP address or the host name. From any computer on the network, at the command prompt, type:**

   ping <IP address>

   Type the Fiery 3850C IP address assigned in Fiery 3850C Network Setup.

   After the Fiery 3850C is set up as a network printer, you can also ping the name you gave to the Fiery 3850C:

   ping <hostname>

   The server should respond with a message such as:

   Reply from <IP address> ...

   Some systems will respond with a continuous display of output from the IP address. To stop the output, type Control-C. You can use the ping command at any time.

TO PRINT TO THE FIERY 3850C:

- **On a UNIX system running SunOS 4.x or other BSD-based variant, use the lpr command to send a job to the Fiery 3850C.**
- **On a UNIX system running Solaris 2.x or any System V implementation of UNIX, use the lp command to send a job to the Fiery 3850C.**
- **Windows NT 4.0 /2000 users with the TCP/IP protocol loaded can send print jobs to the Fiery 3850C from their applications or from a command prompt.**

  When Windows NT 4.0/2000 users print from applications, they can set print options with the printer driver, but not from the UNIX command line.

Managing print jobs

UNIX network administrators can use UNIX utilities for viewing the list of jobs, and for printing and removing jobs that are spooled on UNIX servers. If the network includes a Windows computer that has TCP/IP protocols loaded, you can use the Command WorkStation or WebSpooler to download fonts and files.

Even without the Fiery utilities, you can:

- Print a Job Log manually at any time from Fiery WebSpooler or the Command WorkStation Functions menu (see the *Job Management Guide*).

Chapter 6: Administering the Fiery 3850C

This chapter provides tips on managing Fiery 3850C printing, and includes some troubleshooting hints.

Administrator functions

Administration features are included with the user software and are built into the Fiery 3850C itself. The following table describes where to find information on these features (page references refer to this manual).

For these operations:	And these tasks:	See:
Setting up network servers	Setting up servers to manage and share printing services	This manual
Connecting and setting up the Fiery 3850C	Connecting the Fiery 3850C and performing Fiery 3850C Setup Setting up the Fiery 3850C to allow user access to Fiery WebTools	This manual This manual, *Getting Started,* and *Release Notes*
Setting up the printing environment	Setting printer defaults, including modes, imaging, paper size handling, error handling Setting printer model-specific options	Printer Setup and 4-20 PS Setup, page 3-18 Paper Setup, page 4-25 *Color Guide* *Printing Guide*
Setting up the job environment	Publishing the Direct connection or the Print queue or Hold queue to end users on various platforms	Printer Setup, page 3-28 and 4-22; Chapter 5
Protecting integrity of users' jobs, maintaining consistency of Fiery 3850C settings	Setting the Administrator password	Passwords, page 3-35 and 4-4; Chapter 2

For these operations:	And these tasks:	See:
Setting up all new users	Setting up printing, including installing PostScript printer drivers and PPD files for the printer Installing optional user software Installing color reference pages (CMYK swatches, PANTONE Reference, color sample pages) Preparing users to access Fiery WebTools	*Getting Started,* *Release Notes*
Getting users started with printing	Printing to the Fiery 3850C Setting job-specific options Using Fiery utilities	*Printing Guide* *Job Management Guide*
Controlling the job flow	Using Fiery WebTools, the Command WorkStation and Fiery utilities and for managing job priorities, tracking current jobs, canceling jobs, printing jobs in the Hold queue, reprinting from the Printed or Hold queue	*Printing Guide* *Job Management Guide* *Release Notes*
Job accounting	Viewing, printing, and exporting the Job Log, user notes Resetting the Job Log	*Job Management Guide* page 3-37
Calibration and color management	Printing with CMYK simulations Calibrating the Fiery 3850C Printing color samples and swatch pages Installing color profiles	page 3-32 and *Printing Guide* *Color Guide* *Getting Started*
Maintaining optimal Fiery 3850C performance	Tips Deleting jobs, clearing queues	page 6-3, also *Job Management Guide*
Troubleshooting	Troubleshooting Fiery 3850C Setup Printing, printer, and user software troubleshooting	page 6-4, also *Printing Guide* *Job Management Guide*

Maintaining optimal Fiery 3850C performance

The Fiery 3850C does not require maintenance. Beyond the obvious requirements of servicing and maintaining the printer and replenishing consumables, there are a few things you can do that will improve the overall performance of your system:

- **Make the best use of your network connections**

  Publish only connections that will be used; the Fiery 3850C constantly checks all published connections, even if they are inactive. Match the NetWare polling interval and the number of queues or connections to the demand for printing.

  Review the published connections by printing a Configuration page. Eliminate the connections that are not being used. It is easy to re-establish them when needed. In general, network connections provide far superior throughput than a parallel port connection.

- **Leave some jobs that are less urgent to times when there is less network traffic or printing**

  Recurring print jobs or jobs that are not urgent can be printed to the Hold queue. At low-traffic times, the administrator or a user of the job management tools with Operator privileges can move (or copy) all the Hold queue jobs to the Print queue for printing.

- **Make sure you have adequate disk space on the Fiery 3850C**

  Periodically review the list of jobs in the Hold queue, and the number of jobs being retained in the Printed queue.

  An administrator can print or delete jobs that are in the Printed queue and Hold queue. Consider printing or offloading inactive jobs. If disk space on the Fiery 3850C is frequently low, you can disable the Printed queue (in System Setup).

  To move or remove queued jobs, use the job management tools. When you free up disk space by removing inactive jobs, new jobs are spooled and printed more quickly.

Troubleshooting the Fiery 3850C

Startup diagnostics are described in the *Installation and Service Guide* for service technicians. Contact your authorized service/support center if you see any startup error messages or if the Fiery 3850C does not reach Ready status.

Troubleshooting during Setup from the Control Panel

The following section explains some error and alert messages that you may see during Setup that might not be self-explanatory.

Network Setup messages

After this Setup screen:	This message:	Means:
Enable AppleTalk	No AppleTalk zone found.	The Ethernet network cable is not attached to the connector on the Fiery 3850C, or the network cable is not plugged into the hub or network. If your AppleTalk network has zones, and you want to specify a zone for the Fiery 3850C, you must connect the network cable to the Fiery 3850C before performing AppleTalk Setup. Also could mean that the AppleTalk network does not have zones. Zones are not required for printing to the Fiery 3850C. Press OK to continue.
Protocol Setup or Service Setup (Network Setup)	You must first enable a network port.	
Frame Type selection	Invalid frame size.	The network hub is not connected to a Novell machine when the Fiery 3850C tries to bind.

After this Setup screen:	This message:	Means:
	Warning! IPX network number is zero.	No other IPX machine can be found on the network, or the network hub is not connected to the network, when the Fiery 3850C tries to bind. When this occurs, the network number defaults to zero.
Enable NDS	No NDS trees found.	No NDS trees were found on the Novell network. Check to see that the frame types on the Fiery 3850C are properly configured.
Bindery Setup	If you also plan to use NDS, set up NDS before Bindery.	No NDS settings are present. You are reminded to perform NDS Setup before Bindery Setup in case your network includes both NDS and bindery servers.
Select File Server From List	Error. Cannot open bindery connection to NDS server.	Select this server through NDS setup or disable NDS and select it through bindery.
	No NetWare file server found.	No file server was found when Fiery 3850C queried the network to create a list of supported servers or a list of all servers. Check cable connections and make sure the NetWare server is turned on.
Add File Server	All connections used. Remove server?	You have added the maximum number of bindery servers, which is eight. You now have the option of disconnecting one of those servers, so as to add another.
Add Server, Enter Your Login Name, Enter Your File Server Password	No NetWare print server found.	No print server was found when Fiery 3850C queried the file server you selected. You must configure a print server and a print queue for every NetWare file server that will handle Fiery 3850C print jobs (see page 5-5).
Any Bindery Setup screen	Novell error code, followed by a message.	Novell NetWare has reported an error. The Control Panel reports the error number and displays a brief message. For the most common errors (listed in the following table), a screen is displayed that enables you to retry the action that evoked the error, such as adding a server. If that is not possible, you are prompted to notify the Novell administrator, who will need to troubleshoot the network. Consult NetWare Administrator documentation for further explanation of Novell error codes.

In Network Setup, when you configure the IPX (Novell) connection, the Fiery 3850C queries the network for Novell file servers and trees, and attaches to them temporarily. If a guest login is enabled, it will be used. If not, you will be prompted to log in from the Control Panel.

If the selected NetWare file server or tree does not have a guest account, or if the guest account has expired or has been disabled by the NetWare supervisor, you will be prompted to notify the IPX (Novell) administrator. In that case, there are two options:

- Enable a guest account on the NetWare server or tree for the purpose of setup.
- Log in with a different account. At the ENTER LOGIN NAME screen, change the default name (guest) to supervisor or enter another valid login name. When you are prompted for a password, enter the correct password for the account you named.

For any Novell error, make sure:

- Your IPX (Novell) network is connected to the Fiery 3850C.
- The NetWare server you are trying to access is running.
- The Novell network has been configured with at least one print server and queue for the Fiery 3850C.
- You have the appropriate permissions and login information, including username and password, if necessary.
- The Fiery 3850C is configured with the correct frame types for communication with the desired Novell servers.

Novell error messages

Novell error:	Cause:	Suggested action or exit:
220 Guest account not available.	The guest account, which you have chosen for initial login, has expired or has been disabled by the NetWare supervisor.	Enable a guest account on the NetWare server for the purpose of setup. Alternatively, log in to a different account. In the ENTER LOGIN NAME screen, change the default name (guest) to supervisor or another valid login name. When you are prompted for a password, enter the correct password for the account you named.
222 Unable to log in to server. Password has expired for login name.	The server has connected to a file server, but is unable to log in to the file server or print server because the password has expired for the login account name or the named print server.	Select a different login account or print server. The error screen exits to the File Server Login screen (if login to file server failed) or NetWare Print Server screen (if login to Print Server failed). Pressing the Menu button returns to the PServer Setup screen.
252 Unable to log in to server. Login does not exist.	The server has connected to a file server, but is unable to log in to the server because the selected login account does not exist on the file server.	Select a different login account. The error screen exits to the File Server Login screen. Pressing the Menu button returns to the PServer Setup screen.
255 Unable to connect to file server. File server is down or out of connections.	The Novell file server is down or out of connections. This error occurs while the server is trying to connect to the requested file server.	Select a different file server (or try to get someone else to log off). Pressing the Menu button returns to the PServer Setup screen.
nnn Notify IPX (Novell) Administrator.	Indicates other network errors when the Fiery 3850C is already connected to a file server. Something unexpected has happened and the user generally cannot recover without intervention of the network administrator. Error #197 indicates that you have exceeded the number of login attempts permitted for this account on the NetWare file server. Error #255 usually indicates a hard failure.	Notify the Novell administrator and report the error number. The error screen exits to the PServer Setup screen.

Runtime error messages

For error messages related to canceling jobs and printing, including the Disk Full message and alerts to load media, see the *Job Management Guide*. These messages are reported by the job management tools.

Users can turn on PostScript error reporting as a print option from Mac OS applications.

Printer not found

Most failures to find a printer on the network are due to conflicting or missing name or address settings for the Fiery 3850C. You must enter names in specific places. The required names are:

- TCP/IP host name (also known as the DNS name), which is defined by your organization.

  Enter the host name as the Server Name in Fiery 3850C Setup.

- Remote printer (internal machine) name. Use one of the following when printing with LPR:

  xjprint
  xjhold
  xjdirect

  Use one of the following when printing with SMB:

  print
  hold
  direct

You must reconfigure one of the Fiery utilities on each workstation if you change the DNS name (also known as the TCP/IP host name) of the Fiery 3850C.

Check the table below for the appropriate name to use.

In this location:	For this item:	IPX/SPX networks:	TCP/IP networks:	See:
System Setup	Server Name option	Administrator defines name	Administrator defines name	page 3-5
Windows NT hosts file	host name	—	DNS name (TCP/IP host name)	page 5-11
Windows NT setup for TCP/IP	lpd host name	—	DNS name (TCP/IP host name)	page 5-11 and *Getting Started*
	Name of printer on lpd host machine	—	xjprint or xjhold	
UNIX /etc/printcap file (BSD)	rp line	—	xjprint or xjhold	page 5-19
Solaris	lpadmin queuename	—	xjprint or xjhold	
NetWare administration utility	print queues (must be all lowercase and in English)	_direct _print _hold	—	page 5-6
Add New Server dialog box, when configuring a Fiery utility	New Device	Utilities are not supported over IPX/SPX.	3850C	*Getting Started*
	Server Name	Utilities are not supported over IPX/SPX.	DNS name (TCP/IP host name)	

Cannot connect to Fiery 3850C with Fiery utilities

If users cannot connect to the Fiery 3850C, check the following:

- Fiery 3850C Setup—the appropriate network protocol must be enabled, with the correct parameters (for example, for TCP/IP, the IP address, etc.), and you must publish either the Print queue or Hold queue.

  You can check these settings quickly by printing a Configuration page.

- On the client workstation—the appropriate network protocol(s) must be loaded, and your Windows directory should contain a configured Efinl.ini file.

Cannot connect to the Fiery 3850C with the Command WorkStation

If there is a problem connecting to the Fiery 3850C, an error message is displayed.

The problem can occur:

- When the Fiery 3850C is first turned on
- When the Fiery 3850C reboots
- When you have changed settings affecting the server address and have not reconfigured the connection to the server

If you see this problem, try the following solutions, in order:

- A remote workstation running the Fiery utilities or Fiery WebTools may be interfering by obtaining status information. If possible, close the remote application, and try again to connect.
- Restart the Command WorkStation application and try again to connect.
- Check the configuration of the connection and modify it if necessary, or delete the Efinl.ini file and start over with the process of configuring the connection as described in *Getting Started*.

  For Windows 9x/Me, the Efinl.ini file is located in \WINDOWS.
  For Windows NT 4.0/2000, the Efinl.ini file is located in \WINNT.

- Reboot the Fiery 3850C.

See the *Job Management Guide* for information on other error conditions.

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