Configuration and Setup
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This document describes how to set up network servers and user computers to use the
Fiery E100 60-55C-KM so that users can print to it as a high-performance networked printer.
For general information about using the copier, your computer, software, or network, see the
documentation that accompanies those products.

Setting up the network environment correctly requires the presence and active cooperation of
the network administrator. Detailed instructions for configuring networks is beyond the
scope of this document. For information, see the documentation that accompanies your
network.

For information about supported operating systems and system requirements, see Welcome.

This document covers the following topics:

• Network connectors on the Fiery E100 60-55C-KM
• Information specific to the Fiery E100 60-55C-KM about setting up network servers

**NOTE:** For more information about network servers, see the documentation that accompanies your network.

• System security through access levels and passwords
• Setup of the Fiery E100 60-55C-KM from the copier touch panel
• Setup of the Fiery E100 60-55C-KM from a network computer
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• Administration of the Fiery E100 60-55C-KM
• Troubleshooting

Administrator functions described in other documentation are summarized on page 58.
## Terminology and conventions

This document uses the following terminology and conventions.

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**WARNING**

A warning concerning operations that may lead to death or injury to persons if not performed correctly. To use the equipment safely, always pay attention to these warnings.

**CAUTION**

A caution concerning operations that may lead to injury to persons if not performed correctly. To use the equipment safely, always pay attention to these cautions.

**IMPORTANT**

Operational requirements and restrictions. Be sure to read these items carefully to operate the equipment correctly, and avoid damage to the equipment or property.
Battery information for the European Union and EEA

This symbol indicates that the batteries and accumulators used in this product must be disposed of separately from your household waste in accordance with EU Directive 2006/66/EC ("Directive") and local requirements.

If a chemical symbol is printed beneath the symbol shown, in accordance with the Directive, this indicates that a heavy metal (Hg = Mercury, Cd = Cadmium, Pb = Lead) is present in this battery or accumulator at a concentration above an applicable threshold specified in the Directive.

Batteries and accumulators must not be disposed of as unsorted municipal waste. Users of batteries and accumulators must use the available collection framework for the return, recycling and treatment of batteries and accumulators.

If your product contains non-removable batteries, the entire product is already covered by the EU WEEE (Waste Electrical and Electronic Equipment) Directive and should be handed over to an authorized collection site for WEEE. The collection site will take appropriate measures for the recycling and treatment of the product, including the batteries.

Customer participation in the collection and recycling of batteries and accumulators is important to minimize any potential effects of batteries and accumulators on the environment and human health due to substances used in batteries and accumulators.

In the EU, there are separate collection and recycling schemes for batteries and accumulators. To find out more about recycling schemes for batteries and accumulators available in your area, please contact your local city office, waste authority, or waste disposal facility.
This chapter summarizes the stages in setting up the Fiery E100.

**Fiery E100 on the network**

When the Fiery E100 is connected to a network, it behaves as a networked printer. The Fiery E100 supports the following network protocols (rules that enable computers on a network to communicate with each other):

- AppleTalk, Bonjour
- TCP/IP, which also includes the DHCP, FTP, HTTP, IMAP, IPP, IPv4, IPv6, LDAP, LPD, NBT, POP3, Port 9100, SMB, SMTP, SNMP, SNTP, and SSL/TLS protocols

These protocols can run concurrently on the same cable. Computers that use other protocols can print through a server that uses one of the supported protocols. The Fiery E100 automatically handles all connections simultaneously.
Stages of installation on the network

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

1 **Configuring the network environment**

   Configure network servers to provide users with access to the Fiery E100 as a networked printer. For information about configuring network servers in Windows, Mac, and UNIX network environments as they relate specifically to the Fiery E100, see page 13. For information about using your network, see the documentation that accompanies your network.

2 **Physically connecting the Fiery E100 to a functioning network**

   Prepare a network node for the Fiery E100. Obtain cable, route it to the location where the Fiery E100 is to be installed, and attach the cable to the network connector of the Fiery E100. For details, see page 21.

3 **Setting up the Fiery E100**

   Configure the Fiery E100 for your printing and network environment (see page 51).

4 **Preparing user computers for printing**

   Install the files needed for printing, install user software, and connect the user computers to the network. The software installation is described in *Printing*.

5 **Administering the Fiery E100**

   Monitor and maintain system performance and troubleshoot problems that may arise (see “Administering the Fiery E100” on page 58).
Summary of Fiery E100 network installation

Network server configuration

Configure network servers to specify Fiery E100 print queues and Fiery E100 users.

Connection

Prepare a network node. Connect the Fiery E100 to the network.

Fiery E100 Setup

Configure default settings for the options in the Setup menus.

Client computer Setup

At computers where users print to the Fiery E100:
- Install the appropriate printer files and connect to one or more print connections.
- Install utilities and an Internet browser on computers where users will use them.
- Verify the Fiery E100 in the list of printers.

Fiery E100 available on the network
Network Server Setup requirements

This section provides basic information about configuring the Fiery E100 and using it on the network. It does not explain network functions for printing in general. Only information specific to the Fiery E100 is presented. Setting up the network environment correctly requires the presence and active cooperation of the network administrator. Detailed instructions for configuring networks is beyond the scope of this document. For information, see the documentation that accompanies your network.

Configure the network and servers, and ensure that there is a live network connection before you configure Fiery E100 network settings in Setup. This allows the Fiery E100 to query the network for zones, servers, and server-based queues.

Whenever you change the configuration of the Fiery E100, copier, or network at your site, alter the settings to correspond to the changed environment. Changing network or port settings may require that you make changes to other Setup options, as well.

Windows networks

• The Fiery E100 requires a valid IP address, subnet mask, and gateway address.

Enter these addresses manually or use DHCP protocols to assign them dynamically. Make sure the Fiery E100 name and address are listed in a domain name server (DNS) or hosts name database used by your system.

If more than one Fiery E100 print connection is published (for example, if both the Print queue and the Hold queue are published), consider creating a printer for each print connection, so that users can print to each connection directly.

• Configure the Fiery E100 with the correct Windows domain name.

This is especially important for Windows printing, also known as SMB printing.

To use Microsoft Active Directory, you must assign the Fiery E100 to a domain. If you assign the Fiery E100 to a workgroup, you cannot use Active Directory.

AppleTalk networks

AppleShare servers require no special configuration.

To allow Mac OS X computers to access Bonjour printers, you must enable Bonjour on the Fiery E100.
UNIX networks

- When you configure a UNIX workstation with the lpr protocol and connect to the Fiery E100 over a TCP/IP network, you can print directly to the Fiery E100.

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

- The Fiery E100 is a printer controller that understands lpr protocols.

- The Fiery E100 has a remote printer name you must use in order to communicate with it successfully.

Regardless of the UNIX system you use, the name that you use for the remote printer (or rp in the /etc/printcap file) in configuring the network for the Fiery E100 must be one of the following:

- print
- hold

Computers on a TCP/IP network can print directly to the Fiery E100 as a remote printer, or can print to a Windows Server 2003/Server 2008/Server 2008 R2 server or UNIX workstation acting as a print server.
To prepare for printing at your site, you must do some initial Fiery E100 configuration (or “Setup”) to specify the network environment and the types of printing you do. Before you perform Setup, decide the levels of access to implement, such as passwords and other security features that the Fiery E100 offers. Because many of these security features are interconnected, review the information in this chapter to plan for an effective security system, and then perform Setup accordingly.

Levels of access and control

When you configure the Fiery E100 during Setup, you implement a particular level of control by configuring these elements:

- Users and Groups
- Print connections
- Access to WebTools

Users and Groups

With Configure, you create users, assign passwords to users, create groups with particular privileges, and assign users to the groups. Several groups are provided by default, and you can create new groups. All users in a group have the same privileges.

In addition to assigning the users that you create to a group, you can add users from your organization’s global address list if LDAP services is enabled on the Fiery E100.

The following discussion is an overview designed to help you prepare a security strategy. For more information, including specific procedures, see Configure Help.
User authentication

The term “user authentication” means that the Fiery E100 verifies that a user who is sending a job belongs to a group, and that the group has printing privileges (“Print in B&W” or “Print in Color and B&W”).

By default, the Fiery E100 does not enforce user authentication. That is, even if you assign passwords to users and assign the users to groups, no authentication occurs unless you clear the “Allow users to print without authentication” check box (Configure > Users and Groups). If this option is selected, anyone can print to the Fiery E100.

If you require users to specify their user name and password (that is, you have cleared the “Allow users to print without authentication” check box), users must type this information in the printer driver when they print. Users must specify their user name and password if they create files from the printer driver for printing later (such as an e-mail attachment that is sent to the Fiery E100).

Because jobs that are sent through FTP do not require a printer driver, you can specify that FTP jobs are authenticated (Configure > Network > Services > FTP > Require Password for Printing).

Passwords

When you create a new user in Configure > Users and Groups, you assign a password to the user. In other areas of the system, you can also set passwords for these areas:

- Default admin user in Administrators group
- Default operator user in Operators group

By default, the Administrator password is set on the Fiery E100. Change the Administrator password periodically to protect the Fiery E100 from accidental or malicious changes to Setup. For more information, see “Setting passwords” on page 59.

Users in the Administrators and Operators groups have privileges in addition to the explicit ones that you set when you create groups. Examples of these privileges are provided in the following sections.
**Administrator privileges**

Users in the Administrators group have the highest level of control. Administrator privileges include:

- Configuring the Fiery E100 with the Configure WebTool
- Adding and deleting groups
- Adding and deleting users
- Setting and changing passwords for users
- Deleting, printing, exporting, and viewing the Job Log
- Deleting, viewing, and modifying users’ print jobs
- Clearing the Fiery E100 of all job data
- Printing in black-and-white or color
- Publishing print connections
- Deleting fonts
- Controlling print jobs from the job management tools
- Overriding job settings
- Setting default settings for print options
- Calibrating the Fiery E100

**Operator privileges**

Users in the Operators group control print jobs from the job management tools, including the following:

- Viewing the Job Log
- Deleting, viewing, and modifying other users’ print jobs
- Printing in black-and-white or color
- Calibrating the Fiery E100
- Printing, exporting, and viewing the Job Log

**Guest privileges (no password)**

A user does not need a password to log on as a Guest from the job management tools. A Guest can view the status of active jobs but cannot make changes to jobs or the Fiery E100 state.
Fiery E100 print connections

The Fiery E100 supports the following print connections: Hold queue, Print queue, and Direct connection. You “publish,” these print connections 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 Direct connection give users more direct access to the Fiery E100 than the Hold queue. Therefore, do not publish the Print queue and the Direct connection in environments where maximum control is required.

In addition, you can publish the Print queue, which is a storage area for the most recent jobs from the Print queue. The Print queue allows users to reprint those jobs by using the job management tools (for example, Command WorkStation).

**NOTE:** To use the utilities and WebTools, you must publish at least one print connection.

**Hold queue**

Jobs sent to the Hold queue are spooled to the Fiery E100 hard disk drive for printing at a later time, or for reprinting. Because the Hold queue is a storage area, jobs sent to it cannot proceed through the printing process until the operator intervenes using the job management tools.

**Print queue**

The Print queue is the standard Fiery E100 queue. Jobs sent to the Print queue are processed and printed in the order in which they are received. Jobs prioritized by an operator with the job management tools and jobs sent via the Direct connection take priority over jobs sent to the Print queue.

**Direct connection**

The Direct connection transmits jobs directly to the Fiery E100, but only when the Fiery E100 is Idle. If the Fiery E100 is busy, the job remains at the user’s computer until the Fiery E100 is ready. The job is then processed as soon as the previous job is finished and before the next queued job is processed.

In most cases, jobs sent to the Direct connection are not stored on the Fiery E100 hard disk, and 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 not appear in the Job Log, for accounting purposes.
Some types of jobs printed to the Direct connection cause temporary files to be stored on the Fiery E100 hard disk, but do not appear in any of the job management tools. These job types are:

- PDF jobs
- TIFF jobs
- Jobs with settings for any of the following print options:
  - Reverse order printing (for large jobs)
  - Booklet Maker
  - Mixed Media
  - Combine Separations

**NOTE:** To download fonts to the Fiery E100, you must publish the Direct connection.

**WebTools**

The Fiery E100 supports Internet or intranet access with WebTools from Windows and Mac OS computers. To allow use of WebTools, see “Configuring WebTools” on page 57.

**Home**

Home provides you with current information about the jobs processing and printing on the Fiery E100. To use this WebTool, you do not need a password. For more information, see *Utilities*.

**Downloads**

Downloads allows users to download installers for printer drivers and other software directly from the Fiery E100. To use this WebTool, you do not need a password. For more information, see *Printing* and *Utilities*.

**Docs**

Docs allows users to access, manage, and modify jobs on the Fiery E100, and submit jobs to the Fiery E100. For more information, see WebTools Docs Help.

**Mailbox**

Mailbox allows remote users to access jobs on the copier over the Internet or intranet. You can also create, edit, and delete User Boxes on the copier.

**Configure**

Configure allows you to view and modify Fiery E100 options from a network computer. This function requires an Administrator password. For more information, see page 51.
Additional security features

In addition to traditional security features such as passwords, you can use these features to keep the Fiery E100 secure:

- E-mail access
- IP addresses, ports, and MAC addresses
- Secure Printing
- LDAP authentication

Controlling E-mail access to the Fiery E100

Because you can allow users to print file attachments in e-mail messages sent to the Fiery E100, the Fiery E100 accepts only valid attachments (for example, PostScript or PDF files). Typically, viruses transmitted via e-mail require execution by the receiver. Attachments that are not valid files are discarded by the Fiery E100.

Because file types such as .BAT, .VBS, and .EXE could launch harmful virus activity, the Fiery E100 does not process these file types. The Fiery E100 also ignores e-mails in RTF (Rich Text Format) or HTML (Hypertext Markup Language) format, and any included JavaScript code.

You can define lists of authorized e-mail addresses on the Fiery E100. Any e-mail that the Fiery E100 receives from an e-mail address not in the authorized list is deleted. For more information, see page 64.

Restricting IP addresses, ports, and MAC addresses

To restrict unauthorized connections to the Fiery E100, you can permit only users whose IP addresses or MAC addresses are within a defined range. You can also close unnecessary ports to reject inbound access from the network. Commands or jobs sent from unauthorized IP addresses or ports are ignored by the Fiery E100.

Secure Printing

This option allows the printing of highly sensitive or confidential files. A user printing a file with the printer driver assigns a password to the job. The user must then enter the password at the copier to print the job. For more information, see Printing.
LDAP authentication

When you enable LDAP communication to retrieve names and other information for people at your organization, you can specify the type of authentication. For more information, see Configure Help.

Connecting network cable to the Fiery E100

This section includes an illustration of the Fiery E100 back panel, and provides information about connecting the Fiery E100 to the network.

Connector panel

With the connector panel, you can connect the Fiery E100 to the copier and the network. You can control the power supply of the Fiery E100 using the soft power button.

1 USB ports (not used)
2 LAN (Ethernet) port
3 Copier (Ethernet) port
4 Soft power button
5 Copier interface port
6 LED
**Ethernet connection**

For Ethernet connections, the Fiery E100 supports Unshielded Twisted Pair (UTP) cabling for these network speeds:

- 10BaseT: Category 3 or higher
- 100BaseTX: Category 5 or higher (4-pair/8-wire, short-length)
- 1000BaseT: Category 5e or higher (4-pair/8-wire, short-length)

---

**To connect to the network**

1. **Power off the copier and the Fiery E100.**
   
   For information about the proper procedures, see page 70.

2. **Connect the network cable from the network to the appropriate network connector on the back of the Fiery E100.**

3. **Power on the Fiery E100 and the copier.**

---

**About Setup**

Setup configures the Fiery E100 to communicate with other devices and manage print jobs. Perform Setup the first time you turn on the Fiery E100, after new system software is loaded, and any time Server software is reinstalled. Then perform the remaining Setup options from Configure. When the network or user printing environment changes, change the options accordingly.

You can perform Setup from a networked computer using Configure or from the copier touch panel. Configure Setup allows you to use your keyboard to enter Setup options. If you prefer to use Configure to configure the Fiery E100, see "Accessing Configure from a network computer" on page 51.

**Setup from the copier touch panel**

Perform initial Setup from the copier touch panel. After the initial Setup, you can change Setup options from a network computer (page 51).

If you do not set options in the Setup menus, the Fiery E100 uses default settings. You must choose settings appropriate for the printing environment at your site.

**Setup from a network computer**

To set up the Fiery E100 from a network computer, use Configure (page 51). Access Configure from WebTools or Command WorkStation.
Setting up the Fiery E100 from the Copier Touch Panel

Setup is required the first time the Fiery E100 is turned on after new system software is loaded. If you do not configure a particular Setup option, the Fiery E100 uses default settings. Make sure that the settings are appropriate for the printing environment at your site.

Fiery E100 Setup from the copier touch panel

Setup allows you to configure the Fiery E100 to communicate with other devices and manage print jobs sent to it.

Setup provides these groups of options:
• Server Setup to specify system options
• Network Setup to specify all the active network systems that transmit print jobs to the Fiery E100
• Printer Setup to specify how print jobs and queues are managed
• PS Setup to specify PostScript settings
• PCL Setup to specify PCL settings
• Color Setup to specify color settings
• Job Log Setup to specify how the Fiery E100 handles its log of printed jobs
• Change Password to change the Administrator password

The remaining commands in the main Setup screen are administration topics. For information, see page 58.
Accessing Setup options

When you access Setup options, make sure that no one is printing to the Fiery E100.

TO ACCESS SETUP WHEN THE FIERY E100 IS IDLE

1. Make sure that the Fiery E100 is not processing or printing jobs.
2. Press the Menu button on the copier.
4. On the copier touch panel, press Controller Details.
5. Press Menu.
6. Press the down arrow to scroll to Run Setup.
7. Select Run Setup.
8. Select Yes to continue Setup.
9. Enter the Administrator password and press Enter.
10. At the main Setup window, press the button for the Setup that you want to access.
   Use the down arrow button to view the remaining screens of the main Setup menu.
   This is the minimum required for initial Setup. Later, you can complete the remaining Setup
   menus, from the copier touch panel or a network computer.
12. Change the Administrator password to protect your Setup from unauthorized changes.
   For information, see page 59.

Illustration of copier touch panel

The copier touch panel allows you to view status information about jobs printed to the
Fiery E100, print system pages, and set up printing.

Display for copier touch panel

```
(Server name)  <<<
Idle
<<<
(Free) MB (version) <<<
MENU ▲ ▼
```
Functions menu

The Functions menu provides many of the same options available from Command WorkStation. Choose the following commands from this menu:

Print Pages
Print these system pages from the Fiery E100:

PS/PCL Test Page confirms that the Fiery E100 is properly connected to the copier, and provides color and grayscale samples to troubleshoot problems with the copier or the Fiery E100. Settings on the Test Page may include: Server Name, color settings, printer model, and date and time the Test Page was printed.

Configuration provides general information about the hardware and software configuration of the Fiery E100, the current settings for Setup, the current calibration, and the IP address of the Fiery E100.

Job Log prints a log of the last 55 jobs.

Control Panel Map prints the Control Panel Map.

Color Charts prints samples of the RGB, CMY, and PANTONE colors available from the Fiery E100.

PS Font List/PCL Font List prints a list of all fonts currently on the Fiery E100 hard disk.

FTP Log prints a log listing recent FTP activity.

NOTE: To print the E-mail or FTP log, you must first enable the appropriate service.

Suspend Printing suspend communication between the Fiery E100 and the copier. Use this command to interrupt the current Fiery E100 job and use the copier to make copies or print another job first. Jobs continue to process on the Fiery E100. After you make copies or complete maintenance tasks, choose Resume Printing to continue printing jobs from the Fiery E100.

Resume Printing resume communication between the copier and the Fiery E100 after you have selected Suspend Printing.

Shut Down shut down all Fiery E100 activity in the correct manner and then restart. The following options are available from the submenu that appears:

Restart Server resets the server software but does not reboot the entire system. Network access to the Fiery E100 is temporarily interrupted and all currently processing jobs are aborted and might be lost.

Shut Down System shuts down all Fiery E100 activity properly.

Reboot System shuts down and then reboots the Fiery E100.

Run Setup enter the Setup menu and change Setup option settings.
Tray Alignment  Adjust the placement of text and images on a page so that they are correctly aligned on the sheet of paper and both sides of a duplex sheet have the exact same alignment. For more information about Tray Alignment, see Command WorkStation Help.

Calibration  Calibrate the Fiery E100 using ColorCal. For more information, see Color Printing. If an Administrator password has been set, you must enter it to access Calibration.

**About the copier touch panel Setup interface**

When you perform Setup from the copier touch panel, you select one menu after another and enter information about your Fiery E100 and your network and printing environment.

When you perform a function from the copier touch panel that prompts you for the Administrator password, you must enter it promptly.

Some of the menus you see are shown on the Control Panel Map, a high-level guide to Setup that you can print from the copier touch panel.

**To print the Control Panel Map**

1. Press the Menu button on the copier.
2. On the copier touch panel, press Utility.
3. On the copier touch panel, press Controller Details.
4. Press Menu.
5. Select Print Pages.

**Saving changes**

After you enter the settings, you must save the changes. You are usually prompted to do so. If you choose Yes, your settings overwrite previous settings. If you choose No, your previous settings are retained. If necessary, the Fiery E100 restarts after you exit the Setup menu.
Server Setup options

Server Setup lets you specify system information that pertains to the Fiery E100 and users. To access the menu, follow the instructions on page 24.

The submenus and options appear in sequence. Default values, where applicable, are underlined. Words shown in italics indicate that a product- or site-specific value is displayed.

**Server Name**
*Default server name*

Enter a name for the Fiery E100 (up to 15 characters long). This is the name by which the Fiery E100 appears on the network.

**Server Comments**

Server comments (optional) can contain information about the printer. These comments are listed in the Fiery E100 Properties in Network Neighborhood and can be up to 15 characters.

**Set Domain Name**

*Select from list, Enter manually*

This option provides two ways to specify the workgroup or domain in which you want the Fiery E100 to appear. The Fiery E100 may need to reboot in order to display the current settings.

<table>
<thead>
<tr>
<th>If you select <strong>Select From List:</strong></th>
<th>If you select <strong>Enter manually:</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Choose Domain</strong></td>
<td><strong>Workgroup or Domain</strong></td>
</tr>
<tr>
<td><em>List of domains</em></td>
<td>Enter the name of the workgroup or domain.</td>
</tr>
<tr>
<td>Select the workgroup or domain from the list.</td>
<td></td>
</tr>
</tbody>
</table>

**Time Zone**

*List of zones*

Select the appropriate time zone from a list of supported zones.

**System Date**

*Date*

Enter the correct system date in the standard format for your use. The date appears on the Job Log.

**System Time**

*Time*

Enter the correct system time. Enter the time based on the 24-hour clock in the format HH:MM (Hours: Minutes). The time appears on the Job Log.
Print Start Page
Yes, No
Choose Yes to print a start page automatically from the Fiery E100 every time it restarts. The start page displays information about the Fiery E100, including the server name, current date and time, amount of memory, network protocols, and print connections.

Use Character Set
Macintosh, DOS, Windows
Specify whether the copier touch panel and Command WorkStation should use the Macintosh, DOS, or Windows character set for displaying file names. This is important if file names include accented or composite characters (such as é or æ).

For mixed-platform networks, choose the setting that gives the best overall representation of the special characters you use.

Allow Printing From
All users, Authorized users
Specify whether the Fiery E100 authenticates users before their jobs are sent to the Fiery E100. If you select Authorized users for this option, users must belong to a group to which you have assigned printing privileges. This is the Fiery E100 authentication system (separate from copier authentication).

Enable Printed Queue
Yes, No
The Printed queue is a storage location on the Fiery E100 hard disk for recent jobs that were printed. Users do not print to the Printed queue. However, users with Administrator or Operator access to the job management tools can reprint jobs from the Printed queue without resending them to the Fiery E100. If you do not turn on the Printed queue, jobs are deleted from the Fiery E100 hard disk immediately after they are printed.

Jobs Saved in Printed Queue
1-99, 10
If you have turned on the Printed queue, specify the number of jobs to store in the Printed queue. Jobs in the Printed queue take up space on the Fiery E100 hard disk. If disk space is low, specify a smaller number of saved jobs.

Preview While Processing
Yes, No
Select this option to display a preview thumbnail in Command WorkStation while a job is being processed. The preview thumbnail is displayed in the Processing section of the Activity Monitor.
Secure Erase
Yes, No

Select Yes if you want to clear in a secure way the data stored on the Fiery E100 hard disk every time printing is complete. This option appears only if Secure Erase is turned on.

USB Media Auto Print
Disabled/ Print All

Select whether to enable automatic printing of jobs from a USB device. Jobs are printed as soon as the USB device is connected to the Fiery E100. If you choose Print All, all files of supported file types are printed automatically when a user connects a USB device to the Fiery E100. Therefore, the USB Media Server command does not appear in the Functions menu. The command in the Functions menu allows users to navigate to a connected USB device and choose the file to print.

Save Changes
Yes, No

Select Yes to activate any changes made in Server Setup. Select No to return to the main Setup menu without making any changes.
Network Setup options

When you perform Network Setup, you configure the Fiery E100 to receive jobs over the network systems that are used at your site, including setting network addresses and names to be used by computers, servers, and the Fiery E100 when they communicate with each other.

Before performing Network Setup, confirm that the Fiery E100 is connected to an active network because the Fiery E100 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.

Configure 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 E100 is configured to accept more than one protocol, it automatically switches to the correct protocol when it receives a print job.

Because Network Setup menus are nested, the names of higher-level menus are shown in this chapter to the left of each menu heading. Default settings for options, where applicable, are underlined.

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

<table>
<thead>
<tr>
<th>For this network or connection type</th>
<th>Use this Protocol Setup</th>
<th>Use this Service Setup</th>
</tr>
</thead>
<tbody>
<tr>
<td>AppleTalk over Ethernet</td>
<td>AppleTalk Setup</td>
<td>AppleTalk printing (PAP) is enabled automatically</td>
</tr>
<tr>
<td>TCP/IP over Ethernet</td>
<td>TCP/IP Setup: Ethernet Setup</td>
<td>“Service options” on page 40</td>
</tr>
</tbody>
</table>

If you use a crossover cable for connecting the Fiery E100 to the copier, the following features of the copier are limited: AppleTalk, IPv6, and IPsec. However, the Fiery E100 provides functionality for these features without limitation.
Port Setup

Ethernet Setup

Ethernet Speed

Auto (10/100/1000), 10 Mbps Half-Duplex, 100 Mbps Half-Duplex, 10 Mbps Full-Duplex, 100 Mbps Full-Duplex

Choose the appropriate speed of the network. Choose Auto Detect in any of these cases:

• The network speed is unknown.
• The network environment is mixed.

MAC Address Filtering Setup

Enable MAC Address Filtering

Yes, No

Select this option to allow the Fiery E100 to permit inbound packets from the specified MAC addresses. To enter specific addresses, use WebTools Configure, where you specify the MAC addresses from which to allow inbound packets. Any inbound packets sent from an unregistered MAC address are rejected. To allow unlimited access to the Fiery E100 based on MAC address, clear the MAC Address Filtering option.

Filter Policy

Accept, Deny

Choose Accept to accept addresses other than the addresses you specify at this Setup. Choose Deny to reject addresses other than the addresses you specify at this Setup.

MAC Address Filtering

Add Filter/Delete Filter/Edit Filter

Choose the operation that you want to perform.

Add Filter

[000000000001 - FFFFFFFF00]

Enter MAC addresses to be permitted. You can enter up to 100 addresses.

NOTE: Invalid and duplicate MAC address entries are rejected.
Delete Filter
Filter list

Choose the MAC address you want to delete individually from the list.

Edit Filter
Filter list

Choose the MAC address you want to change individually from the list.

USB Port Setup

Enable USB Port
Yes, No

Select this option to print to the USB port on the Fiery E100 from a Windows computer or USB device.

Port Timeout in Seconds
30

Specify how long to wait before the port times out.

Ignore EOF Character
No, Yes

Specify to enable or disable EOF characters.

802.1x Setup

The Fiery E100 can seek authentication from an 802.1x authentication server (such as a RADIUS server), often through an intermediate access point (an authenticator). The Fiery E100 seeks this authentication at startup time, or when the Ethernet cable is disconnected and reconnected. If the Fiery E100 is successfully authenticated, it is allowed access to the network.

Enable 802.1x Authentication
Yes, No

Choose whether to allow the Fiery E100 to seek authentication from an 802.1x authentication server.
Select EAP Type

Choose the type of EAP (Extensible Authentication Protocol).

If you choose and want the Fiery E100 to validate the server certificate, place the certificate in the list of trusted certificates of the Fiery E100. For more information, see WebTools Configure Help.

User name, Password

The Fiery E100 uses this information to request authentication from an 802.1x authentication server.

Protocol Setup

To configure the Fiery E100, choose each protocol and enter the settings for that protocol. You can enable AppleTalk and TCP/IP communication simultaneously.

AppleTalk Setup

Enable AppleTalk

Yes, No

Select Yes if you have an AppleTalk network connected to the Fiery E100. This setting allows the Fiery E100 to communicate over AppleTalk networks.

AppleTalk Zone

List of zones

The Fiery E100 searches the network for AppleTalk zones in your network segment. Select the AppleTalk zone in which you want the Fiery E100 to appear. If your segment has only one zone, the Fiery E100 is assigned to that zone automatically.

The message “No AppleTalk zone found” may mean that your network has no zones, or the network cable is not connected.
IPv4 Setup

To configure the Fiery E100 for TCP/IP, choose IPv4 Setup. You can also choose whether to turn on IPv6 (see page 39).

**NOTE:** To turn on IPv6, you must first turn on IPv4.

When you set an IP address, subnet mask, or gateway address for the Fiery E100 during Setup, you can allow the Fiery E100 to get these addresses automatically from a DHCP server. First, turn on or restart the Fiery E100 and allow it to reach Idle. Make sure the DHCP server is running, and then perform Network Setup.

**Ethernet Setup (TCP/IP)**

**Enable Auto IP Configuration**

*Yes, No*

Select Yes to allow the Fiery E100 to obtain its Ethernet IP address automatically by searching the network. Select No to assign the Fiery E100 a static IP address.

If you assign a static IP address to the Fiery E100, the IP address of the copier is one number higher than the IP address of the Fiery E100. Therefore, consecutively numbered IP addresses must be available. For example, if the IP address of the Fiery E100 is xxx.xxx.xxx.100, the IP address of the copier is xxx.xxx.xxx.101.

To confirm the IP address of the copier and the Fiery E100, save your changes to Setup and print the Configuration page (page 68).
Depending on your selection, configure the appropriate options, as follows:

<table>
<thead>
<tr>
<th>If you choose Yes for Enable Auto IP Configuration</th>
<th>If you choose No for Enable Auto IP Configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Enable Gateway Automatically</strong></td>
<td><strong>IP Address</strong></td>
</tr>
<tr>
<td>Yes, No</td>
<td>127.0.0.1</td>
</tr>
</tbody>
</table>

Choose whether to assign automatically the gateway address for printing with TCP/IP.

Enter the Fiery E100 IP address for Ethernet. This IP address, unlike an IP address set automatically, remains the same if you restart the Fiery E100. You must change the default to a valid address for your network. For information about setting up printing with TCP/IP, see page 13.

**NOTE:** The address xxx.xxx.xxx.255 is not valid.

<table>
<thead>
<tr>
<th><strong>Subnet Mask</strong></th>
<th>255.255.255.0</th>
</tr>
</thead>
</table>

Set the subnet mask for printing with TCP/IP on your network.

**NOTE:** Confirm the subnet mask setting with your network administrator before proceeding.

<table>
<thead>
<tr>
<th><strong>Gateway Address</strong></th>
<th>127.0.0.1</th>
</tr>
</thead>
</table>

Set the gateway address for printing with TCP/IP on your network.

<table>
<thead>
<tr>
<th><strong>Obtain IP for Engine</strong></th>
<th><strong>Yes, No</strong></th>
</tr>
</thead>
</table>

If a separate network cable is connected to the copier, the copier obtains its own IP address and does not need the Fiery E100 to obtain an IP address for it. In such a case, choose No.
You can configure the Fiery E100 so that it can access an appropriate DNS server. With the DNS server, when connecting the utilities or WebTools from remote computers to the Fiery E100, users need to remember only its Server Name, which is easier to remember than an IP address.

**Enable DNS**

Choose **Yes** to allow the Fiery E100 to resolve a name to an IP address. If you select **No**, the Fiery E100 will use its configured IP address.

**Primary DNS Server**

**IP Address**: 127.0.0.1

Specify the IP address of the primary DNS server.

**Secondary DNS Server**

**IP Address**: 0.0.0.0

Specify the IP address of the secondary DNS server.

**Domain Name**

Enter the DNS domain name of the Fiery E100.
Security Setup

Network Setup
  Protocol Setup
    IPv4 Setup

To help secure the environment for the Fiery E100, you can control access to the following items:

- IP addresses
- IP ports

**IP filtering**

Set controlled access to the Fiery E100 by specifying IP addresses or a range of IP addresses that the Fiery E100 permits or rejects. This prevents unlimited access to the Fiery E100 over your network and ensures network security in your environment.

**NOTE:** IP addresses 0.0.0.0 and 255.255.255.255 are not valid addresses.

**Enable IP Filter**

Yes, No

Select this option to allow IP filtering on the Fiery E100.

**Default Policy**

Accept, Deny

Choose Accept to accept IP addresses other than the IP addresses you specify at this Setup. Choose Deny to reject IP addresses other than the IP addresses you specify at this Setup.

**Add Filter**

*Filter list*

The number of available entries in the Filter list is displayed. Specify the IP Address/IP Range.

**Delete Filter**

*Filter list*

Select to delete IP addresses from the list individually or by range.

**Edit Filter**

*Filter list*

Select to make changes to IP addresses from the list, either individually or by range.
IP Filter Type
IP Address, IP Range

Choose whether to enter IP addresses individually or by range. Depending on your selection, the following options are presented.

<table>
<thead>
<tr>
<th>If you select IP Address</th>
<th>If you select IP Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>IP Address</td>
<td>Start IP Address</td>
</tr>
<tr>
<td>0.0.0.0-255.255.255.255</td>
<td>0.0.0.0-255.255.255.255</td>
</tr>
<tr>
<td></td>
<td>End IP Address</td>
</tr>
<tr>
<td></td>
<td>0.0.0.0-255.255.255.255</td>
</tr>
</tbody>
</table>

Specify an IP Address to permit or reject individual IP addresses. Specify as many as 16 ranges of IP addresses to permit or reject.

Filter Policy
Accept, Deny

Select Filter Policy for IP Address/IP Range you have just added.

Port filtering

Close unnecessary ports to help reject inbound access from the network. All ports not listed in the following table are closed.

Configure IP Ports
Yes, No

Select Yes to improve security for your system, and then select the port numbers in the following options.

<table>
<thead>
<tr>
<th>Port number</th>
<th>Corresponding protocol</th>
<th>Example of protocol usage</th>
</tr>
</thead>
<tbody>
<tr>
<td>20-21</td>
<td>FTP</td>
<td>FTP printing, scan to FTP</td>
</tr>
<tr>
<td>80</td>
<td>HTTP</td>
<td>WebTools and IPP printing</td>
</tr>
<tr>
<td>137-139</td>
<td>NetBIOS</td>
<td>SMB printing</td>
</tr>
<tr>
<td>161-162</td>
<td>SNMP</td>
<td>Command WorkStation</td>
</tr>
<tr>
<td>427</td>
<td>SLP</td>
<td></td>
</tr>
<tr>
<td>443</td>
<td>SSL</td>
<td></td>
</tr>
<tr>
<td>445</td>
<td>SMB/IP</td>
<td></td>
</tr>
<tr>
<td>500</td>
<td>ISAKMP</td>
<td></td>
</tr>
<tr>
<td>515</td>
<td>LPD</td>
<td>WebTools and LPD printing over Windows</td>
</tr>
<tr>
<td>631</td>
<td>IPP</td>
<td>IPP Printing over Windows</td>
</tr>
</tbody>
</table>
**IPsec (Internet Protocol Security) Setup**

If users’ computers support IPsec, you can allow the Fiery E100 to accept encrypted communications from users.

**Enable IPsec**

Yes, No

Select this option to allow IPsec on the Fiery E100.

**Preshared key**

If you previously defined a preshared key, enter it here. All incoming communication that uses IPsec must contain this key.

**IPv6 Setup**

---

<table>
<thead>
<tr>
<th>Port number</th>
<th>Corresponding protocol</th>
<th>Example of protocol usage</th>
</tr>
</thead>
<tbody>
<tr>
<td>4500</td>
<td>IPSec</td>
<td></td>
</tr>
<tr>
<td>5353</td>
<td>DNS</td>
<td></td>
</tr>
<tr>
<td>9100-9103</td>
<td>(RAW)</td>
<td>Port 9100 printing over Window Server 2003/Server 2008/Server 2008 R2</td>
</tr>
<tr>
<td>EFI Ports</td>
<td></td>
<td>Command WorkStation and the printer driver Two-Way Communication feature</td>
</tr>
</tbody>
</table>

**NOTE:** To turn on IPv6, you must first turn on IPv4.
Service options

With the following options, you can allow services such as LPD.

LPD Setup

Enable LPD
Yes, No

Select this option to allow LPD printing.

Default LPD Queue
Print Queue, Hold Queue, virtual printers

Choose the default connection for LPD printing if it is not set by the user.

Windows Setup

For setting up the Windows printing service, these characters are allowed in the text fields: uppercase letters, numerals, space, and the following characters:

- _ . ~ ! @ # $ % ^ & ( ) { } \ ‘,

Enable Windows Printing
Yes, No

Enabling Windows Printing turns on Server Message Block (SMB), the file and printer sharing protocol built into Windows. SMB allows the Fiery E100 to be listed on the network so that Windows clients can print to a particular print connection (Hold, Print, or Direct) on the Fiery E100 without any other networking software. For information about setting up a Windows computer for Windows printing, see Printing and the documentation that accompanies Windows. Windows printing runs via TCP/IP, so you must configure TCP/IP on the Fiery E100 and on all computers that use Windows printing.
Use WINS Name Server

Yes, 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.

**WINS IP Address**

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.

**Web Services Setup**

Enable Web Services

Yes, No

Select Yes to make the WebTools available to users. TCP/IP must be enabled on the Fiery E100 and on user workstations. A Java-enabled Web browser and a valid IP address or DNS host name are required for each user computer. For information about browser and computer requirements, see Welcome.
IPP Setup

Enable IPP
Yes, No

Select this option to allow printing with the Internet Printing Protocol (IPP). You must turn on Web Services. For information about setting up user computers to use IPP printing, see Printing.

Port 9100 Setup

Enable Port 9100
Yes, No

Select this option to allow applications to open a TCP/IP socket to the Fiery E100 at Port 9100 to download a print job.

Port 9100 Queue
Direct Connection, Print Queue, Hold Queue

Specify the Fiery E100 print connection for downloading jobs to Port 9100. Only the print connections you have published (page 49) are available.

FTP Setup

FTP Setup includes options for Scan to FTP and FTP Printing. Scan to FTP allows you to scan jobs from the Fiery E100 to an FTP site and print an FTP Log.

Using FTP Printing options, you allow the Fiery E100 to serve as an FTP server.
Scan to FTP

Enable Scan to FTP
Yes, No

Scan to FTP allows you to scan jobs from the Fiery E100 to an FTP site and print an FTP Log.

The FTP proxy that the Fiery E100 supports uses the connection format
`target_username@target_system_name / target_username@target_ip_address`. Other connection formats may not work properly. Ask your network administrator for details.

FTP Printing

Enable FTP Printing
Yes, No

Select this option to allow FTP printing on the Fiery E100.

Require Password for Printing
Yes, No

Select Yes to require a user password for FTP printing. After you have defined passwords for a user and assigned the user to at least one group, selecting this option requires the Fiery E100 to verify that the user belongs to a group that has printing privileges and that the user name and password are valid.

For information about users and groups, see WebTools Configure Help.

Timeout (sec)
30-300

Specify the timeout. After you have finished making the selection, restart the Fiery E100 for the settings to take effect. To confirm the settings, print a Configuration page.

Default FTP Queue
Print Queue, Hold Queue, virtual printers

Choose the default connection for printing jobs from FTP Printing if it is not set by the user.
Outbound FTP Setup

Use FTP Passive Mode
No/Yes
If you select Yes, the FTP server opens a dynamic port, sends the FTP client the server’s IP address to connect to and the port on which it is listening over the control stream and waits for a connection from the FTP client.

SNMP Setup

Enable SNMP
Yes, No
Select this option to allow SNMP communication over an IP connection.

SNMP Read Community Name
public
Specify the SNMP Read Community Name. When it is changed, the new community name must be entered to read any information in WebTools Configure. A maximum of 32 ASCII characters, including spaces, can be used for the community name.

NOTE: A space at the beginning or end of the name is automatically deleted from the name entered. When an invalid character is entered or no name is specified, the default “public” is used for the Read Community name. A name consisting only of spaces is invalid.

SNMP Write Community Name
value
Specify the SNMP Write Community Name.
LDAP Setup

The Fiery E100 supports the following for LDAP servers:
- Lotus Domino 5.0.6a or later
- NetWare 5.x or later

Enable LDAP
Yes, No

Select this option if you want to use an LDAP server.

NOTE: If LDAP is turned on, Fiery Remote Scan users are prompted for their LDAP user name and password.

Server Name or IP Address

Type the name or IP address of the LDAP server that you want to use.

Secure Communication
None, SSL/TLS

Choose the method for verifying authentication. Choose SSL/TLS for certificate-based authentication.

Port
1-65535, 636

Specify the port number for LDAP communication.

Authentication required
Yes, No

Select this option if queries to your LDAP server require authentication.

User Name

Type the user name for access to the LDAP server.

Password

Type the password for access to the LDAP server.
Search Base
Type the search base to search an LDAP server. The Fiery E100 searches the area of the directory specified by the search base.

Maximum Number of Entries
0-65535, 10000
Specify the maximum number of results that the Fiery E100 accepts from the LDAP server.

Timeout (sec)
1-100, 60
Specify the maximum amount of time to elapse before the Fiery E100 stops attempting to connect to the LDAP server.

SNTP Setup
To locate the SNTP server that you use, enter the IP address or DNS name, or select it from a list.

Enable SNTP
Yes, No
Select Yes if you want to use the time synchronization function of the Fiery E100 with an NTP/SNTP server through SNTP. If you set this option to No, set the Fiery E100 system date and time manually (page 27).

Time Server
Set Time Server
Select from List, Enter DNS Name, Enter IP Address
Choose the method for identifying the time server.

Time Server List
World, Asia, Europe, Oceania, North America
If you chose Select from List, choose the region where the Fiery E100 is located. The Fiery E100 is synchronized by an appropriate time server for that region.
**Time Server DNS Name**

_**Name**_

Enter the Host name of the NTP or SNTP server. You can enter up to 255 ASCII characters for the host name.

**Time Server IP address**

127.0.0.1

Enter the IP address of the NTP or SNTP server on your network.

**Polling Interval**

Every 8 hours, Every Day, Every week

Specify the interval at which the Fiery E100 performs time synchronization with an NTP or SNTP server.

**SLP Setup**

- **Enable SLP**
  - Yes, No
  
  Select this option to allow SLP (Service Location Protocol). This protocol allows the Fiery E100 to find services over the network.

- **Scope Name**
  
  Enter the scope, or string, used for grouping services.

**Proxy Setup**

- **Enable Proxy Setup**
  - Yes, No
  
  Select this option to allow the Fiery E100 to use a proxy server for security purposes.
**IP Address**

127.0.0.1

Enter the IP address of the proxy server on your network.

**Port Number**

1-65535, 21

Enter the port number of the proxy server on your network. Users must enter this port number at the Fiery E100 when they send jobs to a secure FTP site.

If users send a job with a different port number, they must enter the port number at the Fiery E100 for sending the job.

**Timeout (sec)**

1-999, 30

Enter the length of time, in seconds, that the Fiery E100 should try to connect to each proxy server before determining that the connection is unsuccessful.

**User Name**

Enter the user name for the proxy server.

**Password**

Enter the user password for the proxy server.

**Bonjour Setup**

Bonjour is Apple’s technology that allows for zero configuration while you set up, install, add, or remove the Fiery E100 from the network. This allows Mac OS computers or Windows computers that support Bonjour to detect and connect to the Bonjour-enabled Fiery E100 for printing.

**Enable Bonjour**

Yes, No

Choose whether to turn on Bonjour.

**Bonjour Service Name**

Enter the Bonjour service name.

Name
Preferred Printing Protocol
LPD, IPP, Port 9100

Choose the protocol that the Fiery E100 uses when using the Bonjour service. The list displays only the protocols that you turned on.

Jobs sent over Bonjour are sent to the default print connection for the selected protocol. For example, if you choose LPD, jobs are sent to the connection that you chose for LPD jobs. If no default connection can be defined (such as for IPP), the Print queue is used.

Private MIB Setup

Enable Private MIB
No/Yes

Select Yes to allow this feature to access internal Private MIB codes.

Printer Setup options

Printer Setup configures the connections and printing behavior associated with a particular printing device. Only the connections that you publish are available to users. For more information about Fiery E100 print connections, see page 18.

To access printer setup options

1 In the main Setup menu, choose Printer Setup.

2 Enter the options appropriate to the printing requirements at the site.

3 When you have finished, save changes.

NOTE: For users to access the utilities and WebTools or print to the Fiery E100 over a TCP/IP network, you must publish at least the Hold queue or the Print queue.

Publish Direct Connection
Yes, No

The Direct connection allows users to print (or download) jobs to the Fiery E100 without spooling the jobs. Jobs sent to the Direct connection are not saved in the Printed queue.

If you plan to download fonts to the Fiery E100, you must publish the Direct connection.

NOTE: TCP/IP lpd printing cannot be done via the Direct connection.
Publish Print Queue
Yes, No

Jobs that are printed (or downloaded) to the Print queue are spooled to the Fiery E100 hard disk and printed on a first-in, first-out basis.

Publish Hold Queue
Yes, No

Jobs that are printed (or downloaded) to the Hold queue can be printed only by copying or moving the jobs to the Print queue.

Personality
Auto, PCL, PS

Choose the personality of the copier. If you choose Auto, the page description language of incoming jobs is automatically detected and sent to the appropriate interpreter, PostScript or PCL.

If you choose a specific interpreter, incoming jobs are initially sent to that interpreter. If the job type does not match, the job is sent to the other interpreter.

Save Changes
Yes, No

Select Yes to activate any changes made in Printer Setup. Select No to return to the main Setup menu without making any changes.

PostScript/PCL/Color/Job Log Setup

These Setup menus allow you to set printing defaults for jobs sent to the Fiery E100. When a user prints a job from the printer driver, the user can make a specific setting for most print options on a job-by-job basis, and this setting is applied to the job. For information about these defaults, see “Setup Option Reference” on page 53. Job Log Setup options are discussed in Configure Help and page 60.
Setting up the Fiery E100 from a Network Computer

After you perform initial Setup from the copier touch panel, you can change Setup options from a network computer using Configure. To use Configure from a network computer, you must know the Fiery E100 Administrator password.

Accessing Configure from a network computer

To set up the Fiery E100 from a network computer, use Configure. Access Configure as follows:

- WebTools from a supported Internet browser
- Command WorkStation

To allow access to WebTools, ensure that the following items are enabled

- A valid, unique IP address, subnet mask, and gateway address for the Fiery E100.
  
  Print a Configuration page to acquire the Fiery E100 IP address (see page 68).

- Web Services is turned on.
  
  Web Services is turned on by default.

To access Configure from an Internet browser

1. Start your Internet browser and type the IP address of the Fiery E100.
2. Click the Configure tab on the Fiery E100 home page.
3. Click Launch Configure.
4. Log on with Administrator privileges.
TO ACCESS CONFIGURE FROM COMMAND WORKSTATION

1. Start Command WorkStation.
2. Log on with Administrator privileges.
3. Choose Configure from the Server menu.

Regardless of the method you use, the following dialog box appears.

Using Configure

For information about using Configure and setting options, see Configure Help. Access Configure Help from WebTools Configure or Command WorkStation.
**SETUP OPTION REFERENCE**

This chapter describes the default settings that you can set for the following groups of Setup options:

- PS (PostScript) Setup
- PCL Setup
- Color Setup

Depending on the Setup method that you use (WebTools Configure or copier touch panel), not all options are available. For more information about print options, see *Printing*.

**NOTE:** For information about Job Log Setup, see page 60 and Configure Help.

### Setup options

To determine the current Setup defaults, print the Configuration page from Command WorkStation.

<table>
<thead>
<tr>
<th>Option</th>
<th>Settings (default is underlined)</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Allow Courier Substitution</td>
<td>Yes, No</td>
<td>Specify whether to substitute Courier for fonts that are unavailable when you download files to the Fiery E100, or when you print a document for which you do not have the corresponding printer font. If this option is set to No, jobs with fonts that are unavailable on the Fiery E100 hard disk generate a PostScript error and do not print. This setting does not apply to PDF files; font substitution occurs automatically in PDF files.</td>
</tr>
<tr>
<td>Append CR to LF</td>
<td>Yes, No</td>
<td>Specify whether to append a carriage return to each line feed.</td>
</tr>
</tbody>
</table>
| Black Overprint         | Off, Text, Text/Graphics          | With this option set to Text or Text/Graphics, the final text or text/graphic portions of the page are overprinted, or combined with the underlying colors. The quality of the output is improved since it will not show artifacts near the edges of the text or text/graphics.  
<pre><code>                      | With this option set to Off, the border of the text or text/graphics is on an edge that has cyan and magenta toners on one side (outside the text) and black toner on the other side (inside the text). |
</code></pre>
<table>
<thead>
<tr>
<th>Option</th>
<th>Settings (default is underlined)</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black Text/Graphics</td>
<td>Normal, Pure Black On, Rich Black</td>
<td>The Black Text/Graphics option optimizes black text and line art. The option also minimizes toner use for documents consisting of both color and black-only pages. Select Pure Black to print black text and graphics as a one-color black, using black toner only. Select Rich Black to print black text and graphics as a richer black by layering a small amount of cyan toner underneath the black toner. Select Normal to print black text and graphics as a four-color black, using C, M, Y, and K toners, and to use normal PostScript rendering. For more information, see <em>Color Printing</em>.</td>
</tr>
<tr>
<td>Cache PDF and PS objects</td>
<td>On, Off</td>
<td>Specify whether images in PDF and PS files are cached to reduce the need to reprocess the same image in a file.</td>
</tr>
<tr>
<td>CMYK Gray Processing</td>
<td>Text/Graphics/Images, Text/Graphics, Off</td>
<td>Select these settings to print a CMYK job using black toner instead of process black.</td>
</tr>
<tr>
<td>CMYK Source Profile</td>
<td>Default profile</td>
<td>Specify the CMYK profile to use for your jobs. For more information, see <em>Color Printing</em>.</td>
</tr>
<tr>
<td>CMYK Processing Method</td>
<td>Full (Source GCR), Full (Output GCR), Pure Primaries</td>
<td>Specify the simulation method for CMYK print jobs. Select Full (Source GCR) for a more complete and accurate simulation. Full (Source GCR) applies colorimetric transformations that adjust hue as well as output density, and produces output that maintains the same amount of black as the source document. Select Full (Output GCR) to apply the same simulation method as Full (Source GCR), except that the output produced contains a black amount determined by the Output Profile. Select Pure Primaries to use one-dimensional transfer curves to adjust density output of individual color channels. For more information, see <em>Color Printing</em>.</td>
</tr>
<tr>
<td>Convert Paper Sizes</td>
<td>No, Letter/11x17-&gt;A4/A3, A4/A3-&gt;Letter/11x17</td>
<td>Converts paper sizes in documents automatically to the default paper sizes specified. For example, if you select Letter/11x17-&gt;A4/A3, a letter size document is automatically printed on A4 paper. This option works in conjunction with the Default Paper Sizes option. For example, if Convert Paper Sizes is set to Letter/11x17-&gt;A4/A3, and Default Paper Sizes is set to US, jobs are printed A4/A3 size. This also includes Fiery E100 system pages such as the Start Page, Test Page, and Job Log.</td>
</tr>
</tbody>
</table>
### Setup Option Reference

<table>
<thead>
<tr>
<th>Option</th>
<th>Settings (default is underlined)</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Default Orientation</td>
<td>Portrait, Landscape</td>
<td>This PCL option determines whether the text or image is oriented along the short edge of the paper (Portrait) or the long edge of the paper (Landscape).</td>
</tr>
<tr>
<td>Default Paper Sizes</td>
<td>US, Metric (default is US in the United States, Metric elsewhere)</td>
<td>Prints on US paper sizes (for example, Letter, Legal, 11x17), or Metric paper sizes (for example, A4 or A3) by default. When no page size is defined within a PostScript file, jobs are printed on Letter paper if you selected US; or A4 paper if you selected Metric.</td>
</tr>
<tr>
<td>Edge Enhancement</td>
<td>On, Off</td>
<td>Specify whether to turn on the tag bit.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Select On to enhance the sharpness of the edge of halftone/gray text and vector graphic. You might find halo effects which are caused by the interference of dots when you print some kinds of images. In that case, select Off, whereas the edge of black/high-density text and vector graphic still have the sharpness. This option is not supported for PCL.</td>
</tr>
<tr>
<td>Font Number</td>
<td>0-999</td>
<td>Designates the default font for the Fiery E100. To determine font numbers, print the internal PCL Font List. The standard fonts are listed in order. The font numbers, however, are not displayed.</td>
</tr>
<tr>
<td>Font Pitch (char/in)</td>
<td>0.44-99.99 (default is 10.00)</td>
<td>If the default PCL font selected in Font Number represents a fixed pitch scalable font, determine the width of scalable type. Pitch is measured by characters per inch, so 10-pitch type fits ten characters per inch.</td>
</tr>
<tr>
<td>Font Size (pt)</td>
<td>4.0-999.75 (default is 12.00)</td>
<td>If the default PCL font selected in Font Number represents a proportionally spaced scalable font, determine the point size (height) of the font.</td>
</tr>
<tr>
<td>Font Source</td>
<td>Internal, Soft Font</td>
<td>Specify the PCL font source to be use.</td>
</tr>
<tr>
<td>Form Length (lines)</td>
<td>5-128 (default is 60)</td>
<td>Sets the number of lines to be printed per page in PCL jobs.</td>
</tr>
<tr>
<td>Output Profile</td>
<td>Default profile</td>
<td>Specify the default output profile to use for printing. Additional profiles can be created and downloaded to the Fiery E100.</td>
</tr>
<tr>
<td>Paper Size for System Pages</td>
<td>US, Metric (default is US in the United States, Metric elsewhere)</td>
<td>Specify the paper size that PCL system pages print on. System pages are pages that you print from the copier touch panel, such as the PCL Font List.</td>
</tr>
<tr>
<td>Print Cover Page</td>
<td>No, Yes</td>
<td>Prints a cover page (job summary) with the name of the user who sent the job, the document name, server name, time the job was printed, number of pages printed, and the status of the job. If a PostScript error occurs and the Print to PS Error option is set to Yes, the cover page lists the PostScript error message instead of the job status.</td>
</tr>
<tr>
<td>Print Master</td>
<td>No, Yes</td>
<td>Specify if you want to print the Master page.</td>
</tr>
<tr>
<td>Option</td>
<td>Settings (default is underlined)</td>
<td>Description</td>
</tr>
<tr>
<td>-----------------------------</td>
<td>----------------------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Print to PS Error</td>
<td>Yes, No</td>
<td>Specify whether the Fiery E100 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.</td>
</tr>
<tr>
<td>Rendering Intent</td>
<td>Photographic, Presentation, Abs. Colorimetric, Rel. Colorimetric</td>
<td>The color rendering dictionary (CRD) 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.</td>
</tr>
<tr>
<td>RGB Gray Processing</td>
<td>On, Off</td>
<td>Select On to print an RGB job using black toner instead of process black. For more information, see Color Printing.</td>
</tr>
<tr>
<td>RGB Source Profile</td>
<td>Fiery RGB v5, EFIRBG, sRGB (PC), Apple Standard, eciRGB v2, Adobe RGB(1998), None</td>
<td>The RGB source is the color space used to control color for conversion from monitor to printed output. EFIRGB is based on the reference points used in the creation of the Fiery E100 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. For more information, see Color Printing.</td>
</tr>
<tr>
<td>Separate RGB/Lab to CMYK Source</td>
<td>On, Off</td>
<td>Select for RGB jobs to simulate an output device other than the device to which you are printing. For more information, see Color Printing.</td>
</tr>
<tr>
<td>Scale to Fit</td>
<td>On, Off</td>
<td>Specify whether to scale a document size to a selected paper size if the document size is different from the paper size. With the Off setting, if the document size is larger than the selected paper size, the document is cropped to the paper size when printed.</td>
</tr>
<tr>
<td>Symbol Set</td>
<td>PC_8, Desktop, Roman_8...</td>
<td>Choose the PCL symbol set that best matches the needs of users printing to the Fiery E100.</td>
</tr>
<tr>
<td>Use Embedded Profile When Present (RGB)</td>
<td>On, Off</td>
<td>When this option is enabled, the Fiery E100 ignores the RGB Source option and uses the RGB profile embedded in the print job as the RGB source profile.</td>
</tr>
</tbody>
</table>
Configuring WebTools

WebTools allow you to manage your Fiery E100 remotely from the Internet or your company's intranet. The Fiery E100 has its own home page, from which you can select the WebTool that you want to use.

For information about using WebTools, see Utilities. Also, for many of the WebTools, you can consult Help.

Configuring the Fiery E100 and computers for WebTools

WebTools provide access to many Fiery E100 functions via the Internet (or intranet), providing additional flexibility in remote management. With WebTools, you can access them from a network computer.

WebTools is turned on by default.

To allow access to WebTools, ensure that the following items are enabled

- A valid, unique IP address, subnet mask, and gateway address for the Fiery E100.
  
  Print a Configuration page to acquire the Fiery E100 IP address (see page 68).

- Web Services is turned on.
  
  Web Services is turned on by default.

To set up a computer to access WebTools

1. Enable TCP/IP networking on the user computer.
2. Assign the computer a valid, unique IP address, subnet mask, and gateway address, if required.
3. Install an Internet browser that supports the Java language and frames.
   
   Make sure that Java is enabled. For more information about supported browsers and WebTools requirements, see Welcome.

To access WebTools

1. Start your Internet browser and type the IP address or DNS name of the Fiery E100.
   
   The Fiery E100 home page appears.
2. Click the tab corresponding to the WebTool that you want to use.
This chapter provides tips on managing Fiery E100 printing, performance, and security.

Administrator functions

Administration features are included with the user software and are built into the Fiery E100. The following table describes where to find information about these features.

<table>
<thead>
<tr>
<th>For this information</th>
<th>See</th>
</tr>
</thead>
<tbody>
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<td>Address books for E-mail Printing</td>
<td>page 64</td>
</tr>
<tr>
<td>Administrator and Operator passwords</td>
<td>page 59</td>
</tr>
<tr>
<td>Backing up the entire Fiery E100</td>
<td>page 62</td>
</tr>
<tr>
<td>Changing the Fiery E100 default language</td>
<td>page 59</td>
</tr>
<tr>
<td>Clearing the Fiery E100</td>
<td>page 61</td>
</tr>
<tr>
<td>Configuration page</td>
<td>page 68</td>
</tr>
<tr>
<td>Configuring the Job Log</td>
<td>page 60</td>
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<tr>
<td>Connecting the Fiery E100 to the network</td>
<td>page 21</td>
</tr>
<tr>
<td>Creating and managing Server Presets</td>
<td>page 62</td>
</tr>
<tr>
<td>Mobile device printing</td>
<td>page 67</td>
</tr>
<tr>
<td>Network servers, setting up to manage and share printing services</td>
<td>Documentation that accompanies your network servers</td>
</tr>
<tr>
<td>Network servers, setting up with information specific to the Fiery E100</td>
<td>page 10</td>
</tr>
<tr>
<td>Optimizing Fiery E100 performance</td>
<td>page 69</td>
</tr>
<tr>
<td>Printer default settings</td>
<td>page 53 (\text{Printing})</td>
</tr>
<tr>
<td>Publishing the Direct connection, Print queue, or Hold queue to users</td>
<td>Configure Help</td>
</tr>
<tr>
<td>Saving and restoring Fiery E100 configuration settings</td>
<td>page 62</td>
</tr>
<tr>
<td>Setting up printing, installing printer drivers, installing user software</td>
<td>(\text{Printing})</td>
</tr>
<tr>
<td>Setting the Fiery E100 language, formats, and units</td>
<td>page 59</td>
</tr>
</tbody>
</table>
### Setting passwords

You can set or change the passwords for users of the Fiery E100. Anyone who is a member of the Administrators group can modify the Setup options and control the flow and order of print jobs with the job management tools.

You can change the Administrator and Operator passwords from Configure or Command WorkStation. For more information, see Configure Help. For information on how to access Configure Help, see page 51.

The default administrator password is “Fiery.1” and by default the operator password is blank. For more information about Administrator and Operator passwords and the access privileges they allow, see page 16.

Keep track of the passwords that you set.

### Setting the Fiery E100 language, formats, and units

From Configure, you can specify the Fiery E100 language and other regional settings, including:

- Date Format
- Number Format
- Measurement Units
- Default Paper Sizes
- Color Region
- Date and Time

For information about how to change these setting, see Configure Help. Configure is available from WebTools or from Command WorkStation.
Updating system and user software

The Fiery E100 uses unique system software to receive and process jobs and send job data to the copier. Resident on the Fiery E100, system software processes and controls the spooling, rasterizing, and printing of jobs, as well as job accounting (the Job Log), storage, and retrieval.

You can check for system software updates from a secure site on the Internet.

To check for software updates or to configure the Fiery E100 to receive updates automatically, see WebTools Configure Help.

Configuring the Job Log from the copier touch panel

The Job Log is a record of all jobs processed or printed on the Fiery E100, whether they originate from a user workstation, a network server, or the Fiery E100. You can print the Job Log from the copier touch panel or from the job management tools.

The printed Job Log lists accounting information about each job, including user name, document name, time and date printed, and number of pages. Windows and Mac OS users can enter job-specific notes that appear in the Job Log.

Default values for the following options, where applicable, appear in square brackets.

To set Job Log options from the Fiery E100 copier touch panel

1. Choose Job Log Setup in the Run Setup menu.
2. Enter the options, as described in the following section.
3. When you have finished, save changes.

   Job Log Page Size
   A3/11x17, A4/8 1/2 x 11

Select the paper size for printing the Job Log. Regardless of page size, 55 jobs are listed on a page. The paper size used depends on the Default Paper Sizes setting in PS Setup. If the Default Paper Sizes setting is US, the Job Log is printed on 11x17 or 8 1/2x11 size paper.

   Secure Job Log
   Yes, No

Select Yes to print or delete the Job Log with the Administrator password.

   Save Changes
   Yes, No

Select Yes to activate any changes made in Job Log Setup. Select No to return to the main Setup menu without making any changes.
Clearing jobs on the Fiery E100

The Clear Server command allows you to clear all queued print jobs from the Fiery E100 Print, Hold, and Printed queues. Jobs can also be deleted, either individually or as a group, using Command WorkStation. Clear Server also clears all jobs archived on the Fiery E100 hard disk, the index of archived jobs, and all FreeForm masters.

To clear the Fiery E100 from Command WorkStation

- In Command WorkStation, choose Clear Server from the Server menu.

For more information, see Command WorkStation Help.

Back up your original data on your own media at the same time that you store and save data on the Fiery E100 hard disk. Never damage or reset the Fiery E100 hard disk, and do not turn off the system while accessing the hard disk. For instructions on how to turn on and turn off the Fiery E100, see page 70.

If the Fiery E100 hard disk or system software experience technical difficulties, data stored and saved on the Fiery E100 hard disk may be irretrievably lost. If problems with the hard disk occur, extended storage of the following data cannot be assured:

- Third-party fonts
- Print jobs
- Color profiles, including profiles downloaded or edited with Spot-On
- Job notes and instructions
- Jobs edited with Impose
- Variable data documents
- E-mail Service Address Book
- Fiery E100 configuration information (list of all the settings in effect for the current Setup)
Saving and restoring Fiery E100 settings

You can restore the Fiery E100 to a group of settings that you have already saved.

Saving and restoring Fiery E100 configuration

You can save the current configuration of the Fiery E100 and restore it later, if necessary. To save and restore settings, use Configure. For information, see Configure Help.

The following settings are saved:

- Settings made in Setup (except Server Name)
- Impose templates saved in the default directory for these files on the Fiery E100
- Address books
- Virtual printer settings
- Users and Groups information (login names and passwords)
- Custom spot colors

Backing up the entire Fiery E100

With the Fiery Clone Tool, you can copy the contents of the Fiery E100 hard disk to an image file, and then save the image file to a folder on the Fiery E100 hard disk or a USB storage device connected to the Fiery E100. For more information, see the documentation that accompanies the Fiery Clone Tool.

**NOTE:** The Fiery Clone Tool is supported only on the Fiery E100.

Creating and managing Server Presets

A preset is a defined collection of print settings for a job that you can access at a later time. Administrators that are logged into the Fiery E100 can create, edit, rename, unpublish, publish, and delete Server Presets in Command WorkStation.

For more information about Server Presets, see Command WorkStation Help.
**USB printing**

Users can save PS, EPS, TIFF, and PDF files to a USB device and print those files on the Fiery E100. To print files automatically when you connect a USB drive to the Fiery E100, save the files to specific folders or to the root level on the USB drive.

For more information about printing, see *Printing*.

**To set up a USB device for automatic printing**

1. Configure, at a minimum, the following USB printing options in Configure > Network > Port > USB:
   - Select Enable USB Port.
   - For Default Queue, choose the connection to which the Fiery E100 downloads files.
   - Set USB Media Autoprint to Print All.

2. Click Apply and reboot the Fiery E100.

3. At a computer, create folders at the top level (root level) of the USB device named Print, Hold, and Direct.

4. Save the files from the computer to the USB drive.

   Files copied to the Print, Hold, and Direct folders are downloaded to the corresponding print connection on the Fiery E100 when you connect the USB device to the Fiery E100.

   Files copied to the root level of the device (and any folder under the root level that is not named for a print connection) are downloaded to the queue that you configured for USB printing.

   Prepare the USB device with the correct folder structure and appropriate files before the device is connected to the Fiery E100. Because file processing begins as soon as you connect the device to the Fiery E100, there is no time to do any file management tasks such as moving files to a different folder or deleting files.

5. Remove the USB device from the computer and connect it to the USB port on the Fiery E100.

   For the location of the USB port, see page 21.

   Make sure that the USB device is properly stopped before you disconnect it from the computer.
Managing e-mail address books

You can manage e-mail/Internet Fax addresses on the Fiery E100 by sending e-mail messages in a particular format to the Fiery E100. Management features are overwriting the address book, adding new addresses, removing addresses, and retrieving current addresses on the Fiery E100.

Users use the address books when they send attachment files to a particular e-mail/Internet Fax address.

NOTE: E-mail messages can be sent only from an administrator account.

The Fiery E100 supports the following address books:

- **Admin**: allows members to modify the address book, get the current address book from the Fiery E100, cancel a job, or receive the status of a job. However, membership in this address book does not provide the same privileges as the Administrator password does.

- **Print**: includes users who have print access. Only users whose e-mail addresses are in the Print address book are authorized to submit jobs via e-mail to the Fiery E100. Unauthorized users receive an e-mail reply that their job was not accepted by the Fiery E100 for printing.

- **User**: includes users who have scanning access.

- **Fax**: is used for Scan to Internet FAX. This address book is used for sending scan files via Internet FAX to the Fiery E100. You cannot use addresses in the address book to send an e-mail to the Fiery E100.

NOTE: Perform LDAP Setup before setting this address book. For more information, see Configure Help.

When a print job is submitted via e-mail, the Fiery E100 first checks the Print address book. If the user's e-mail address does not match any entry in the Print address book, the job does not print. Instead, the user receives an e-mail stating that the print job was not accepted.

The default wildcard character “@” is stored in the Print address book. This allows any user to print to the Fiery E100 until the administrator adds the first entry in the Print address book.
To manage address books, send an e-mail to the Fiery E100 with commands in the Subject and Message fields. The Fiery E100 responds by e-mail with information about each request, as described in the following table.

To add or remove more than one address at a time, list the addresses on separate lines in the message field of the e-mail.

<table>
<thead>
<tr>
<th>Task</th>
<th>Administrator subject field</th>
<th>Administrator message field</th>
<th>E-mail response subject field</th>
<th>E-mail response message field</th>
</tr>
</thead>
<tbody>
<tr>
<td>To retrieve a specific address book</td>
<td>#GetAddressBook name of address book</td>
<td>Address Book name of address book</td>
<td>List of addresses in the specified address book</td>
<td></td>
</tr>
<tr>
<td>For example;</td>
<td>#GetAddressBook Admin</td>
<td>For example;</td>
<td>Address Book Admin</td>
<td></td>
</tr>
<tr>
<td>To add an address to an address book</td>
<td>#AddAddressTo name of address book name@domain or &quot;display name&quot; <a href="mailto:name@domain">name@domain</a></td>
<td>Added to Address Book name of address book</td>
<td>List of addresses added to the address book</td>
<td></td>
</tr>
<tr>
<td>For example;</td>
<td>#AddAddressTo Print</td>
<td>For example;</td>
<td>Added to Address Book Print</td>
<td></td>
</tr>
<tr>
<td>To clear an address book</td>
<td>#ClearAddressBook name of address book</td>
<td>Address Book name of address book cleared or Address Book name of address book not cleared</td>
<td>If the address book is not cleared, the reason is given.</td>
<td></td>
</tr>
<tr>
<td>For example;</td>
<td>#ClearAddressBook User</td>
<td>For example;</td>
<td>Address Book User cleared</td>
<td></td>
</tr>
<tr>
<td>To delete an address from an address book</td>
<td>#DeleteAddressFrom name of address book name@domain or &quot;display name&quot; <a href="mailto:name@domain">name@domain</a></td>
<td>Removed from Address Book name of address book</td>
<td>Deleted Address 1 Deleted Address 2</td>
<td></td>
</tr>
<tr>
<td>For example;</td>
<td>#DeleteAddressFrom User</td>
<td>For example;</td>
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</tr>
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<td>RE: Help</td>
<td>Provides troubleshooting e-mail syntax</td>
<td></td>
</tr>
</tbody>
</table>
To retrieve an address book from the Fiery E100

1. Start your e-mail application.
2. Open a new message window.
3. Type the e-mail address of the Fiery E100 in the To line.
4. Type the command and the address book name in the Subject line.
   For example, to retrieve the User address book, type “#GetAddressBook User.”
5. Send the message.
   The return message includes the addresses of the specified address book.
6. Copy the addresses to a text file or save the message for your records.

To restore an address book to the Fiery E100

1. Start your e-mail application.
2. Open a new message window.
3. Type the e-mail address of the Fiery E100 in the To line.
4. Type the command and the address book name in the Subject line.
   For example, to restore the User address book, type “#GetAddressTo User.”
5. Copy the addresses to the body of the e-mail with each address on a separate line.
   You can include nicknames. However, when a nickname or address is longer than one line, edit it to fit on one line.
6. Send the message.
7. In the return e-mail message, confirm that the addresses were restored correctly.
Mobile device printing

Direct Mobile Printing allows direct wireless printing to the Fiery E100 from supported mobile devices. Supported mobile devices must be connected to the same wireless network subnet as the Fiery E100 to print using Direct Mobile Printing.

Fiery E100 Setup for Direct Mobile Printing

Before using Direct Mobile Printing, configure the following settings in Configure:

- Network > Protocol > TCP/IP > Security:
  Specify ports to turn on or select Enable Port Filtering
  Available Ports > 5353 (Multicast DNS): Selected
  Available Ports > 80 (HTTP): Selected
  Available Ports > 631 (IPP): Selected

- Network > Services > Web:
  Enable Web Services: Selected
  Enable IPP: Selected

- Network > Services > Bonjour:
  Enable Bonjour: Selected
  Enable Direct Mobile Printing: Selected

- Printer > General:
  Publish Print Queue: Selected

Make sure that the Fiery E100 settings are configured as specified. Direct Mobile Printing will not work if these settings are changed.

For more information about these settings, see Command WorkStation Help.
Additional Direct Mobile Printing requirements

In addition, observe the following configuration requirements:

- You can print documents with a secure password using Fiery User Authentication (see page 16).
- If Direct Mobile Printing is running on more than one Fiery E100, be sure to assign a distinct Bonjour name to each Fiery E100.
  
  User authentication problems will result if you have more than one Fiery E100 sharing the same name.
- Make sure that the Fiery E100 is connected to a wireless access point on the network.
- Make sure that supported mobile devices are connected to the same wireless network as the Fiery E100.

For more information about how to print using Direct Mobile Printing, see Printing.

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. Post the current Configuration page near the Fiery E100 for quick reference. Users need the information on this page, such as the current printer default settings.

TO PRINT THE CONFIGURATION PAGE FROM COMMAND WORKSTATION

- In Command WorkStation, choose File > Print > Server Configuration.
  
or

- In Command WorkStation, select Device Center > General > Server Configuration > Complete Summary > Print > Print.

TO PRINT THE CONFIGURATION PAGE FROM THE COPIER TOUCH PANEL

1. Press the Menu button on the copier.
2. On the copier touch panel, press Utility.
3. On the copier touch panel, press Controller Details.
4. Press Menu.
5. Press Print Pages.
6. Press Configuration.
Maintaining optimal Fiery E100 performance

The Fiery E100 does not require maintenance. Beyond the obvious requirements of servicing and maintaining the copier and replenishing consumables, you can improve the overall performance of your system by doing the following:

- **Make the best use of your network connections.**
  
  Publish only connections that will be used. The Fiery E100 constantly checks all published connections, even if they are inactive.

  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.

- **Leave less urgent jobs to times when there is less network traffic or printing.**
  
  You can print recurring print jobs or jobs that are not urgent 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.

- **Reduce unnecessary network communication.**
  
  Large numbers of users running Fiery utilities, especially with frequent updates, may have a significant effect on Fiery E100 performance.

- **Make sure that you have adequate disk space on the Fiery E100.**
  
  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 Print queue and Hold queue. Consider printing or offloading inactive jobs. If disk space on the Fiery E100 is frequently low, you can disable the Printed queue and choose not to publish the Hold queue (in Printer 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.
Starting, shutting down, rebooting, and restarting the Fiery E100

This section describes how to start, shut down, reboot, and restart the Fiery E100 when necessary.

Restarting the Fiery E100 resets the Fiery E100 system software, but does not reboot the entire system. Network access to the Fiery E100 is temporarily interrupted and all currently processing jobs are terminated.

To start the Fiery E100

- Press the soft power button once for two seconds.
  
  Wait approximately five minutes until the Fiery E100 starts up.

To shut down, reboot, or restart the Fiery E100 from the control panel

1 Make sure that the Fiery E100 is not receiving, processing, or printing any files.

   If the system has just finished processing, wait at least five seconds after the system reaches Idle before beginning the shutdown procedure.

2 Press the Menu button on the copier.

3 On the copier touch panel, press Utility.

4 On the copier touch panel, press Controller Details.

5 Press Menu.

6 Press the down arrow to scroll to Shut Down.

7 From the Shut Down screen, choose Shut Down System, Reboot System, or Restart Server.
This chapter provides troubleshooting tips.

**Troubleshooting the Fiery E100**

Startup diagnostics are described in the documentation for service technicians. Contact your authorized service/support center if you see startup error messages on Command WorkStation or if the Fiery E100 does not reach Idle.

**Runtime error messages**

For error messages related to canceling jobs and printing, including the Disk Full message and alerts to load media, see Command WorkStation Help.

You 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 E100. 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 E100 Setup.
- Remote printer (internal machine) name. Use one of the following:
  - print
  - hold
  - direct

**NOTE:** If you change the DNS name (TCP/IP host name) of the Fiery E100, you must reconfigure one of the utilities on each computer.
For the appropriate name, see the following table.

<table>
<thead>
<tr>
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<td></td>
</tr>
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<td></td>
</tr>
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<td>Server Name</td>
<td>DNS name (TCP/IP host name)</td>
<td>Utilities</td>
</tr>
</tbody>
</table>

**Cannot connect to the Fiery E100 with utilities**

If users cannot connect to the Fiery E100, check the following:

**Fiery E100 Setup:** The appropriate network protocol must be enabled, with the correct parameters (for example, for TCP/IP, the IP address), and you must publish the Print queue or Hold queue.

Check these settings quickly by printing a Configuration page.

**On the client computer:** The appropriate network protocols must be loaded.
Cannot connect to the Fiery E100 with Command WorkStation

If you encounter a problem while connecting to the Fiery E100, an error message is displayed. The problem can occur when:

- The Fiery E100 is initially turned on.
- The Fiery E100 restarts.
- You change settings affecting the server address and do not reconfigure the connection to the server.

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

- Restart Command WorkStation and try to connect.
- Restart the Fiery E100.
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