Canon

Canon imagePRESS Server H300

Printing

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Introduction

Printing describes how to install the printer drivers on Windows and Mac OS computers for the Canon imagePRESS Server H300.

This document covers the following topics:

- Installing printer drivers on Windows computers
- Setting up the printing connections on Windows computers
- Printing from Windows computers
- Installing printer drivers on Mac OS computers
- Setting up Mac OS computers for printing
- Printing from Mac OS computers
- Canon imagePRESS Server H300 print options
- Using printing methods other than the printer driver to print to the Canon imagePRESS Server H300

For information about setting up network servers and client computers to use the Canon imagePRESS Server H300, see *Configuration and Setup*. For general information about using the printer, your computer, application software, or network, see the documentation that accompanies those products.

For information about supported operating systems and system requirements, see *Configuration and Setup*.

Terminology, conventions, and documentation resources

This document uses the following terminology and conventions to refer to the Canon imagePRESS Server H300, printer, and supported operating systems.

Term or convention	Refers to
Aero	imagePRESS Server (in illustrations and examples)
Command WorkStation	Fiery Command WorkStation
Printer	Canon imagePRESS C850/C750/C650/C65
imagePRESS Server	Canon imagePRESS Server H300
Mac OS	All supported Mac operating systems. For a complete list, see System Requirements in *Configuration and Setup*.
Windows	All supported Windows operating systems. For a complete list, see System Requirements in *Configuration and Setup*.

Term or convention	Refers to
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.

The following documentation resources are available for the Canon imagePRESS Server H300.

Resource	Description
User documentation	Documents in this set: *Color Printing*, *Configuration and Setup*, *Fiery Graphic Arts Package Premium Edition*, *Printing*, *Utilities*
Online help	• Help can be accessed directly from each Fiery application or by going to help.efi.com. • Each help system is available as a printable PDF, accessed from the PDF icon in the upper right corner of the Help window.
Additional reference material	• *Fiery Color Reference* - help.efi.com/ref/colorref/en-us/ • *Variable Data Printing* - help.efi.com/ref/vdp/en-us/ • *Workflow Examples* - help.efi.com/ref/workflows/en-us/ • *Configure Help* - help.efi.com/configure/3.0/en-us/ • *Fiery Ticker Help* - help.efi.com/fieryticker/2.0/en-us/

User software for printing

You need to install user software to set up basic printing on the imagePRESS Server.

Other documents may describe user software that can be used to print documents.

User software	Description
Printer drivers (for Windows and Mac OS)	Provides information about the imagePRESS Server and your particular printer model to your application and printer driver.
Printer Delete Utility (for Windows)	Uninstalls the Windows printer driver and associated printer driver files. (See Uninstall printer drivers from Windows client computers on page 18.)
Fiery Software Uninstaller Utility (for Mac OS)	Uninstalls the Mac OS printer and associated printer driver files. (See Uninstall printer driver from a Mac OS computer on page 34.)

Windows for imagePRESS Server

The imagePRESS Server can be set up as a printer on a Windows computer by installing the printer driver that corresponds to your printer and setting up the imagePRESS Server for printing.

Printer drivers provide a way to communicate information about print jobs between your applications, the imagePRESS Server, and the printer.

Installing Windows printer drivers

Installing the printer driver is the first step to set up the imagePRESS Server as a printer.

The User Account Control (UAC) feature is available on computers with the Windows operating systems supported by the imagePRESS Server. You must be the administrator or a user with Administrator privileges to install printer drivers. For information about supported operating systems, see *Configuration and Setup*.

Note: If the imagePRESS Server printer driver is already installed, you must uninstall it before you install a new driver. (See Uninstall printer drivers from Windows client computers on page 18.)

Note: The following printer drivers are provided, one for each printer supported. When you install the printer driver, select the appropriate one for the printer in your network environment.

To print to this printer	Install this printer driver
Canon imagePRESS C850/C750/C650/C65	Canon iPR Svr H300 V1.0 Canon iPR Svr H300 V1.0 US

Note: Select the printer driver with "US" for North America (the default document size is Letter) or without "US" for International (the default document size is A4).

Installing printer drivers with Point and Print

SMB printing (also known as Windows or WINS printing) allows you to install PostScript printer drivers on your computer from the imagePRESS Server with Point and Print.

You can then print to a particular connection (Print queue, Hold queue, Direct connection or the name of the virtual printer).

If the Sequential Print queue is enabled on the imagePRESS Server, then the sequential print connection is available.

Sequential Print allows the imagePRESS Server to maintain the job order on certain jobs sent from the network. The workflow is 'First In, First Out' (FIFO), respecting the order in which the jobs were received over the network. For more information, see *Command WorkStation Help*.

Each connection requires a separate installation. Repeat the procedure for each connection.

When you install the printer driver using Point and Print, you cannot configure installable options manually. The installed options are displayed as the imagePRESS Server configuration in the printer driver. (See Configure installable options on Windows client computers on page 24.)

Before you begin, ask your administrator to do the following in Setup on the imagePRESS Server:

- Assign the imagePRESS Server a valid IP address.

  The IP address or DNS name is required in the following procedure.

- Configure the imagePRESS Server for SMB printing.

Note: SMB printing is referred to as Windows Printing in Setup and on the Configuration page.

For more information, see *Configuration and Setup* or *Command WorkStation Help*.

Set up SMB printing on Windows computers for the imagePRESS Server

Install the imagePRESS Server printer driver with SMB printing on Windows computers.

1 To navigate to computers and devices on your network, do one of the following:

- Windows 10: Press the Windows logo key on the keyboard to open the Start screen. From the desktop, right-click the Start button in the lower-left corner of the screen. Click Control Panel. Click Hardware and Sound and then click Devices and Printers.
- Windows 8.1/Server 2012 R2: Press the Windows logo key on the keyboard to open the Start screen. From the desktop, click the Start button in the lower-left corner of the screen. Click Control Panel and then click Devices and Printers.
- Windows 8/Server 2012: Press the Windows logo key on the keyboard to open the Start screen. Open the Search charm by moving the mouse pointer to the upper-right or lower-right corner of the screen, move it up or down, and click Search. Type **Control Panel** in the search box, click Apps, and then click Control Panel in the results. Click Devices and Printers.
- Windows 7/Server 2008 R2: In Control Panel, click Network and Internet, and then click the View network computers and devices link from the Network and Sharing Center list.
- Windows Vista/Server 2008: In Control Panel, double-click Network and Sharing Center, and then click the View computers and devices link.

2 Search for the imagePRESS Server on the network using either its name or IP address.

If you cannot locate the imagePRESS Server, contact your administrator.

3 Double-click the imagePRESS Server icon to display active print connections.

Note: For a description of each print connection, see *Configuration and Setup*.

4 Double-click the connection that you want to set up (print, hold, direct or the name of the virtual printer).

If the Sequential Print queue is enabled on the imagePRESS Server, then the sequential print connection is available.

The files are installed on your computer.

Note: You may receive a message that you are about to connect to a printer on the imagePRESS Server, which will automatically install a printer driver on your computer. Click Yes to continue.

5 Navigate to the devices and printers on your network.

The printers are displayed in the Devices and Printers (or Printers and Faxes or Printers) folder.

6 Right-click the imagePRESS Server icon and choose Printer properties or Properties.

7 Click Print Test Page on the General tab.

If the Test Page prints successfully, you are ready to print from the computer.

8 Repeat the previous steps for the other connections that you want to set up.

Download printer drivers with WebTools

WebTools allow you to download printer driver installers to your computer directly from the imagePRESS Server, if your administrator has turned on access to WebTools.

For information about Setup, see *Configuration and Setup*.

For information about setting up and starting WebTools, see *Utilities*.

1 Start your Internet or intranet browser and type the DNS name or IP address of the imagePRESS Server.

2 Click the Downloads tab.

3 Click the link for the item that you want to install.

For Windows printer drivers, click the Printer Files link under the Windows heading.

4 If a dialog box prompts you to open the file or save it to disk, save it to disk.

5 Browse to the location where you want to save the PRNTDRV.EXE file and click Save.

The file is downloaded from the imagePRESS Server. This compressed file is an archive that contains multiple files.

6 Double-click the PRNTDRV.EXE file to extract the files.

Depending on your operating system, you might be prompted to select a location to extract the files.

After the files are copied to the specified location, the Fiery Driver Installer starts automatically.

Note: The User Account Control (UAC) feature is available on computers with the Windows operating systems supported by the imagePRESS Server. You must be the administrator or a user with Administrator privileges to install printer drivers. Right-click PRNTDRV.EXE and select Run as administrator. For information about supported operating systems, see *Configuration and Setup*.

7 Install the printer driver.

Follow the instructions for your operating system to install the printer driver. The procedures are the same as for installing from the DVD. (See Install and complete the print connection for Windows on page 13.)

Download printer drivers from the imagePRESS Server

You can download the printer driver to your computer directly from the imagePRESS Server over the network, and then follow the instructions for your operating system to install the printer driver.

The administrator must share the PC_User_SW folder over the network before you can perform the procedure. The procedures are the same as for installing from the User Software DVD or downloaded from WebTools.

1 To navigate to computers and devices on your network, do one of the following:

- Windows 10: Press the Windows logo key on the keyboard to open the Start screen. From the desktop, right-click the Start button in the lower-left corner of the screen. Click Control Panel, click Network and Sharing Center, and then click the View network computers and devices link from the Network and Sharing Center list.
- Windows 8.1/Server 2012 R2: Press the Windows logo key on the keyboard to open the Start screen. From the desktop, click the Start button in the lower-left corner of the screen. Click Control Panel, click Network and Sharing Center, and then click the View network computers and devices link from the Network and Sharing Center list.
- Windows 8/Server 2012: Press the Windows logo key on the keyboard to open the Start screen. Open the Search charm by moving the mouse pointer to the upper-right or lower-right corner of the screen, move it up or down, and click Search. Type **Control Panel** in the search box, click Apps, and then click Control Panel in the results. Click Network and Sharing Center. Type **network** in the Search field to view all options. Click the View network computers and devices link from the Network and Sharing Center list.

- Windows 7/Server 2008 R2: In Control Panel, click Network and Internet, and then click the View network computers and devices link from the Network and Sharing Center list.
- Windows Vista/Server 2008: In Control Panel, double-click Network and Sharing Center, and then click the View computers and devices link.

2 Search for the imagePRESS Server on the network using either its name or IP address.

If you cannot locate your imagePRESS Server, contact your administrator.

3 Double-click the name of the imagePRESS Server.

A folder called PC_User_SW is displayed along with the active print connections.

4 Double-click the PC_User_SW folder and browse to the Print Drivers\Ps_drvr folder.

5 Install the printer driver.

To complete the printer driver installation, follow the procedure in Install and complete the print connection for Windows on page 13.

Install and complete the print connection for Windows

You can install the printer driver from the User Software DVD or download and install it from WebTools.

When you install the printer driver and complete the print connection, you are automatically creating a local printer (Port 9100). You can modify the port connection later, according to your network type.

1 To install the printer driver, do one of the following:

- Insert the User Software DVD into the DVD drive, type the name of the DVD drive (for example, D:\), browse to the Windows_User_SW\Print Drivers\Driver_Installer folder, and double-click setup.exe.

  Note: When you insert the User Software DVD into the DVD drive, the Fiery Driver Installer may start automatically.

- From WebTools, after the printer driver is copied to the specified location, the Fiery Driver Installer starts automatically.

2 In the Fiery Driver Installer dialog box, select the printer driver language and click Next.

The Fiery Driver Installer - InstallShield Wizard appears.

3 Click Next in the Welcome to the InstallShield Wizard for Fiery Driver Installer dialog box.

4 Read the license agreement, click I accept the terms of the license agreement and click Next.

5 For these Windows operating systems, do the following:

- Windows 10/8.1/8/Server 2012/Server 2012 R2: Click The printer that I want isn't listed.

6 To add a local printer on the network, do one of the following:

- Windows 10/8.1/8/Server 2012/Server 2012 R2: Select Add a local printer or network printer with manual settings.
- Windows 7/Server 2008 R2: Select Add a local printer.
- Windows Vista/Server 2008: Select Add a local printer.

7 Select Create a new port, select Standard TCP/IP Port from the Type of port menu, and then click Next.

Note: The WSD port is supported on Windows 7 or later.

8 Do one of the following:

- Windows 10/8.1/8/Server 2012/Server 2012 R2: Type the host name or IP address of the imagePRESS Server. Select the Query the printer and automatically select the driver to use check box. Click Next and proceed to step 9.
- Windows 7/Vista/Server 2008/Server 2008 R2: Type the host name or IP address of the imagePRESS Server, and then click Next. Proceed to step 9.

9 In the Printers box, select your printer and click Next.

Note: Select the printer driver with "US" for North America (the default document size is Letter) or without "US" for International (the default document size is A4).

10 Type a name for the imagePRESS Server in the Printer name field, and click Next.

This name is used in the Devices and Printers (or Printers and Faxes or Printers) folder and the queues window.

11 Follow the on-screen instructions.

Indicate whether you want to make it the default printer. Do not share the printer and do not print a Test Page at this time.

Continue with the printer driver installation and at the last screen, click Finish.

The necessary files are installed on your hard disk drive.

12 Configure the installable options.

For more information, see Configure installable options on Windows client computers on page 24.

13 To set up a connection other than Port 9100, see Set up Standard TCP/IP Port (Raw or LPR) printing connections on Windows client computers on page 19.

14 To use the printer driver, you must select the following options on the Advanced tab of the printer driver:

- Spool print documents so program finishes printing faster
- Start printing immediately
- Print spooled documents first

15 Click Apply in the imagePRESS Server Properties dialog box, and then click OK.

Install the printer driver on a 64-bit Windows computer from a 32-bit Windows Server 2008 computer

If your network users print to the imagePRESS Server with Windows Server 2008 (32-bit) print sharing, and 64-bit Windows 7 users are also on your network, you must add the 64-bit printer driver to the Windows Server 2008 (32-bit) computer, so that users can install the printer driver on their computers using Point and Print.

We do not recommend installing the printer driver from a server (32-bit) to client computer (64-bit). When you install the 64-bit printer driver to the computer (32-bit), the Windows Server 2008 (64-bit) CD is required.

1. Install the imagePRESS Server printer driver on the Windows Server 2008 computer.

   For instructions, see Install and complete the print connection for Windows on page 13.

   During the installation, when asked if you want to share the printer, select Yes.

2. In the Printers window, right-click the printer that you just installed and select Server Properties.
3. Click the Drivers tab, click Add and then click Next.
4. Select the x64 components check box.
5. Click Have Disk and browse to the Print Drivers\Ps_drvr folder on the User Software DVD, and select the oemsetup.inf file.
6. If you are installing from the files you downloaded from the imagePRESS Server using the Downloads tab in WebTools, browse to Print Drivers\Ps_drvr, make sure that oemsetup.inf is selected and click Open.
7. Follow the on-screen instructions to complete the printer driver installation.

Install and connect to a virtual printer

A virtual printer allows you to print to the imagePRESS Server using a predefined set of job settings.

You do not have to set print options manually. Before you can print to a virtual printer, the administrator must create and configure the virtual printer using Command WorkStation. After the virtual printer is set up, you can install the printer driver and printer description files on your computer from the imagePRESS Server using Point and Print.

For more information about setting up virtual printers, see *Command WorkStation Help*.

When you install the printer driver with Point and Print, you cannot configure installable options manually. Installable options are configured automatically. The installed options are displayed in the printer driver when you select the Two-Way Communication option.

Set up a virtual printer on Windows computer with Point and Print

Complete the installation and setup of the virtual printer on a Windows computer with Point and Print.

1 To navigate to computers and devices on your network, do one of the following:

- Windows 10: Press the Windows logo key on the keyboard to open the Start screen. From the desktop, right-click the Start button in the lower-left corner of the screen. Click Control Panel. Click Hardware and Sound and then click Devices and Printers.
- Windows 8.1/Server 2012 R2: Press the Windows logo key on the keyboard to open the Start screen. From the desktop, click the Start button in the lower-left corner of the screen. Click Control Panel and then click Devices and Printers.
- Windows 8/Server 2012: Press the Windows logo key on the keyboard to open the Start screen. Open the Search charm by moving the mouse pointer to the upper-right or lower-right corner of the screen, move it up or down, and click Search. Type **Control Panel** in the search box, click Apps, and then click Control Panel in the results. Click Devices and Printers.
- Windows 7/Server 2008 R2: In Control Panel, click Network and Internet, and then click the View network computers and devices link from the Network and Sharing Center list.
- Windows Vista/Server 2008: In Control Panel, double-click Network and Sharing Center, and then click the View computers and devices link.

2 Search for the imagePRESS Server on the network using either its name or IP address.

If you cannot locate the imagePRESS Server, contact your administrator.

3 Double-click the imagePRESS Server icon to display active print connections.

Virtual printers are listed along with the Print queue, Hold queue, and Direct connection (if those connections are active). Virtual printers are usually assigned names that indicate the type of job for which they are set up.

If the Sequential Print queue is enabled on the imagePRESS Server, then the sequential print connection is available.

4 Right-click the virtual printer that you want and select Connect.

The files are installed on your computer.

5 Navigate to the devices and printers on your network.

The virtual printer is displayed in the Devices and Printers (or Printers and Faxes or Printers) folder.

You can print to a virtual printer as you would print to any other printer. Depending on how the virtual printer is configured, you may not be able to set some print options.

If you use Command WorkStation to import a PostScript file to a virtual printer and the file already specifies the number of copies, the setting for the number of copies in the PostScript file takes precedence over the number of copies set in the virtual printer.

Note: When you print to a virtual printer installed with Point and Print, you must open the Printing Preferences window and click OK before the job is printed. This applies the virtual printer settings to the job.

Turn on Two-Way Communication on Windows client computers

You must turn on the Two-Way Communication option to automatically update your printer driver to reflect the options currently installed on the printer.

Note: The User Account Control (UAC) feature is available on computers with the Windows OS supported by imagePRESS Server. You must be the administrator or a user with Administrator privileges to add or change the installable options after the printer driver is installed. (See Configure installable options on Windows client computers on page 24.) For information about supported operating systems, see *Configuration and Setup*.

1 Navigate to the devices and printers on your network.

- Windows 10: Press the Windows logo key on the keyboard to open the Start screen. From the desktop, right-click the Start button in the lower-left corner of the screen. Click Control Panel. Click Hardware and Sound and then click Devices and Printers.
- Windows 8.1/Server 2012 R2: Press the Windows logo key on the keyboard to open the Start screen. From the desktop, click the Start button in the lower-left corner of the screen. Click Control Panel and then click Devices and Printers.
- Windows 8/Server 2012: Press the Windows logo key on the keyboard to open the Start screen. Open the Search charm by moving the mouse pointer to the upper-right or lower-right corner of the screen, move it up or down, and click Search. Type **Control Panel** in the search box, click Apps, and then click Control Panel in the results. Click Devices and Printers.
- Windows 7/Server 2008 R2: In Control Panel, click Network and Internet, and then click the View network computers and devices link from the Network and Sharing Center list.
- Windows Vista/Server 2008: In Control Panel, double-click Network and Sharing Center, and then click the View computers and devices link.

The printers are displayed in the Devices and Printers (or Printers and Faxes or Printers) folder.

2 Right-click the imagePRESS Server icon and choose Printer properties or Properties.

3 Click the Configuration tab.

4 Select the Two-Way Communication check box.

5 Type the imagePRESS Server IP address or DNS name.

6 Select Update Fiery Driver When Opened to display the current default settings for the printer when the printer driver is opened.

7 Click Update.

Note: To confirm that Two-Way Communication is turned on, click the About tab and check that the imagePRESS Server name and other server information are displayed.

8 Click Apply, and then click OK.

You must click OK for the printer driver to reflect the correct installable options.

Uninstall printer drivers from Windows client computers

The Printer Delete Utility is installed and used locally to uninstall printer drivers from a Windows client computer. You do not need to connect to the imagePRESS Server before you use the software.

1 Install the Fiery Printer Delete Utility using one of the following methods:

- Download the Client Software Installer for Windows from WebTools.

  Start your Internet or intranet browser and type the DNS name or IP address of the imagePRESS Server. Click the Downloads tab. Click the link to install and follow the on-screen instructions.

- Insert the User Software DVD into the DVD drive of the computer.

  The Fiery User Software Installer starts automatically.

2 Select the Fiery Printer Delete Utility check box, and follow the on-screen installation instructions.

3 Click Start, select Programs or All Programs, and then select Fiery.

4 Select Printer Delete Utility.

Any imagePRESS Server printer drivers found on your computer are listed.

Note: All printer drivers installed on your computer are listed.

5 Do one of the following:

- To delete a printer, select the check box next to the printer name and click Delete the Selected Printers.
- To delete all of the installed printer drivers, select the Delete All Printer Drivers check box, and click OK.

6 When you finish deleting printer drivers, click Exit.

Setting up Windows computers for printing

After the printer driver is installed on the Windows client computer, you need to configure the proper connection for your networked imagePRESS Server printer.

To print from Windows computers, you or the administrator must perform the following tasks to set up a connection:

- Set up network servers, if any.
- Set up the imagePRESS Server to accept print jobs from your computer.
- Configure a port on each Windows computer for the network type.

Setting up printing connections on Windows client computers

The print connections must be set up on the Windows client computers.

The imagePRESS Server supports the following printing connections:

- SMB
- Standard TCP/IP (RAW or LPR)
- IPP or IPP over SSL
- FTP
- WSD

Set up Standard TCP/IP Port (Raw or LPR) printing connections on Windows client computers

After you install the printer driver, you can add or configure the Setup for the Standard TCP/IP Port (Raw or LPR) connection on a Windows client computer.

To complete the Standard TCP/IP Port (Raw or LPR) connection, do the following:

- Prepare the imagePRESS Server to accept print jobs using Standard TCP/IP Port (Raw or LPR) protocols.
- Turn on LPD or Port 9100 on the imagePRESS Server.
- Configure the computer for the TCP/IP connection.

For more information about Setup, see *Command WorkStation Help*.

Before you complete the following procedure, contact your administrator for the IP address assigned to the imagePRESS Server.

The TCP/IP protocol should be installed as a default on the Windows computer. For Port 9100, you can set up the connection and install the printer driver in one procedure.

Note: You can also set up the LPR Port connection by installing Print Services for UNIX, which is supplied as an add-on Windows component. For more information, see the documentation that accompanies Windows.

1 Navigate to the devices and printers on your network.

The printers are displayed in the Devices and Printers (or Printers and Faxes or Printers) folder.

2 Right-click the imagePRESS Server icon and choose Printer properties or Properties.

3 Click the Ports tab.

4 To add a new port, click Add Port.

To change the port settings, proceed to step 10.

5 In the Printer Ports dialog box specify the port type, do one of the following:

- Select Standard TCP/IP Port from the list of Available port types and click New Port.
- Double-click Standard TCP/IP Port in the list.

The Add Standard TCP/IP Printer Port Wizard dialog box appears.

6 Click Next.

7 Type the imagePRESS Server IP address.

8 Click Next.

9 Click Finish to close the Add Standard TCP/IP Printer Port Wizard dialog box, and then click Close in the Printer Ports dialog box.

To change the default setting, proceed to step 10.

If you do not want to change the default setting, the setting is now completed.

Note: Port 9100 was set as the default setting in Install and complete the print connection for Windows on page 13.

10 Click Configure Port on the Ports tab of the Properties dialog box.

11 To set up the port settings, do one of the following:

- To use LPR printing, select LPR in the Protocol area and LPR Byte Counting Enabled in the LPR Settings area.

  Note: You can also proceed without selecting LPR Byte Counting Enabled.

- To use Port 9100 printing, select Raw in the Protocol area.

  The port number 9100 automatically appears in the Raw Settings area. This is the default port number. You can print to the printer connection selected for Port 9100 printing on the imagePRESS Server.

  To specify a specific port number, see step 12.

Note: It is recommended that you clear the SNMP Status Enabled check box to ensure a good connection between the imagePRESS Server and Windows client computer.

12 Type the name of the print connection.

For LPR, type **print**, **hold**, **direct** or **sequential** for Queue Name or **published virtual printer name**.

Note: The Queue Name is case-sensitive. Type the queue name exactly as shown.

Note: If the specified Queue Name is not appropriate, the default queue is used.

For Port 9100, type the following port numbers for each print connection in the Raw Settings area:

- imagePRESS Server default: **9100**
- direct: **9101**

- print: **9102**
- hold: **9103**

Note: Type the number *exactly* as shown.

13 When the SNMP Status Enabled check box is selected, spooling is stopped if the printer driver or spooler detects an error status on the imagePRESS Server.

14 Click OK to close the Configure Standard TCP/IP Port Monitor dialog box.

Note: The imagePRESS Server supports printing in the IPv6 environment on Windows operating systems. For information about supported operating systems, see *Configuration and Setup*.

15 Click Apply in the imagePRESS Server Properties dialog box, and then click OK.

Complete IPP connections on Windows client computers

With Internet Printing Protocol (IPP), print jobs are sent to the imagePRESS Server over the Internet from Windows computers.

Before you begin, perform the following tasks:

- Make sure that the imagePRESS Server is configured for TCP/IP printing and IPP printing. (See *Command WorkStation Help*.)
- Specify the printing destination on your computer.

  IPP over SSL connections is supported.

Note: Using IPP over SSL connection requires certificates on Windows operating systems. For information about supported operating systems and on certificate creation, see *Configuration and Setup*. You can manage certificates from Configure. (See *Command WorkStation Help*.)

1 Navigate to the devices and printers on your network.

The printers are displayed in the Devices and Printers (or Printers and Faxes or Printers) folder.

2 To add a printer, do one of the following:

- Click Add a printer, and then select Add a network, wireless, or Bluetooth printer or Add a network printer.
- Double-click the Add Printer icon, click Next, and then select Network printer and click Next.

3 To search for a printer on the network, do one of the following:

- Windows 10: If the printer search takes a long time, click The printer that I want isn't listed.
- Windows 8.1/8/7/Server 2008 R2/Server 2012/Server 2012 R2: If the printer search takes a long time, click Stop, and then click The printer that I want isn't listed.
- Windows Vista: Select Connect to a printer on the Internet or your intranet.

4 To connect to a printer on the network, do one of the following:

- Windows 10: Click Select a shared printer by name, and in the URL field, type the IP address or DNS name of the imagePRESS Server, followed by **ipp/printer**.

  For example, **http://10.10.10.150/ipp/printer** or **http://DNS name of the server/ipp/printer** sends the job to the Print queue on the imagePRESS Server.

  Note: The URL for the printer is not case-sensitive.

- Windows 8.1/8/7/Server 2008 R2/ Server 2012/Server 2012 R2: Click Select a Shared printer by name, and in the URL field, type the IP address or DNS name of the imagePRESS Server, followed by **ipp/printer**.

  For example, **http://10.10.10.150/ipp/printer** or **http://DNS name of the server/ipp/printer** sends the job to the Print queue on the imagePRESS Server.

  Note: The URL for the printer is not case-sensitive.

- Windows Vista: In the URL field, type the IP address or DNS name of the imagePRESS Server, followed by **ipp/printer**.

  For example, **http://10.10.10.150/ipp/printer**, **http://DNS name of the server/ipp/printer** or **ipp://10.10.10.150** sends the job to the Print queue on the imagePRESS Server.

  For IPP over SSL, type **https**, instead of **http**.

  Note: The **ipp/printer** in the example is case-sensitive.

5 Click Next.

6 To install the printer driver, do one of the following:

- Windows 10: Select the manufacturer and model of your printer and click OK.
- Windows 8.1/8/7/Server 2008 R2/Server 2012/Server 2012 R2: Click Install driver.
- Windows Vista: Click OK.

7 If you are installing the PostScript printer for the first time, follow the procedure Install and complete the print connection for Windows on page 13.

8 Indicate whether you want to make the imagePRESS Server the default printer.

- Windows 10: Click Finish.
- Windows 8.1/8/7/Server 2008 R2/Server 2012/Server 2012 R2: Click Next.
- Windows Vista: Click Next.

9 To complete the printer driver installation, click Finish.

Configure installable options on Windows client computers

After you complete the printer driver installation, you must configure the imagePRESS Server for the options installed on the printer to allow the imagePRESS Server to take advantage of the printer options.

Configure the options manually, or for TCP/IP network connections, use the Two-Way Communication option to configure the options automatically.

Note: When you configure installable options manually, make sure to leave Two-Way Communication and Update Fiery Driver When Opened options unchecked.

For information about specifying installable options, see printer driver help.

Note: The User Account Control (UAC) feature is available on computers with the Windows operating systems supported by the imagePRESS Server. You must log on with Administrator privileges to add or change the installable options after the printer driver is installed. For more information about supported operating systems, see *Configuration and Setup*.

1 Navigate to the devices and printers on your network.

   The printers are displayed in the Devices and Printers (or Printers and Faxes or Printers) folder.

2 For Windows computers with User Account Control, right-click the imagePRESS Server icon, select Run as administrator, and then select Printer properties or Properties.

   The User Account Control dialog box opens.

3 Select the User that has administrator privileges, type the password, and then click OK.

4 Right-click the imagePRESS Server icon and choose Printer properties or Properties.

5 Click the Configuration tab and make your selections.

6 Click Apply, and then click OK.
   You must click OK for the printer driver to reflect the correct installable options.

Configure installable options for printer drivers installed with the Add Printer Wizard on Windows client computers

After you install the printer driver, you must configure the installable options.

If you install the printer driver from Add Printer Wizard and then use Two-Way Communication to configure the installable options, the installable options are not configured properly.

1 After you install the printer driver, right-click the imagePRESS Server icon, select Properties, click the Configuration tab, and then select your installable options.

2 Click Apply, and then click OK.
   You must click OK for the printer driver to reflect the correct installable options.

Printing from Windows client computers

You can print to the imagePRESS Server just as you would print to any other printer from a Windows application.

You can print from a networked Windows computer or a computer using Windows (WINS) printing. Select the imagePRESS Server as the current printer in the Printer Name list, specify print options, and then print the document from the application.

The following list includes other methods to print to the imagePRESS Server and describes where to find information about these features:

- Downloading files to the imagePRESS Server with the Docs tab in WebTools. (See *Utilities*.)
- Printing documents with E-mail Services. (See E-mail Service on page 58.)
- Printing documents with Hot Folders. (See *Fiery Hot Folders Help*.)
- Printing documents with Command WorkStation. (See *Utilities*.)
- Printing with Windows servers connected to the imagePRESS Server. (See *Configuration and Setup*.)
- Printing documents on the USB flash drive to the imagePRESS Server. (See Printing from a USB flash drive on page 60.)
- Printing documents with PrintMe cloud printing. (See PrintMe cloud printing on page 67.)
- Printing documents with Web Services Device (WSD) printing. (See Web Services for Devices printing on page 70.)

The following list includes information about printing and saving files to the imagePRESS Server and describes where to find information about these features:

- Achieving optimal printing results from applications. (See *Color Printing* and *Fiery Color Reference*.)
- Printing jobs from Windows applications. (See Print jobs from Windows applications on page 26.)
- Specifying default print options. (See Specify default print options for print jobs on Windows client computers on page 29.)
- Customizing the Quick Access icon. (See Customize the Quick Access icon in the Windows printer driver on page 30.)
- Viewing the printer status. (See View the printer status on page 31.)
- Saving files to print to a remote location. (See Saving files to print at a remote location on page 31.)
- Printing custom page sizes. (See Defining and printing custom page sizes on page 120.)

Print jobs from Windows applications

To print from Windows applications, install the PostScript printer driver, and then specify print options for a particular job before sending it to the imagePRESS Server for printing.

Be sure to configure the options on the Advanced tab of the printer driver after installation is complete. (See Installing Windows printer drivers on page 9.)

If you print to a virtual printer, you may not be able to set some print options, depending on how the virtual printer is configured.

Some print options that are selectable from an application are similar to print options that are specific to the imagePRESS Server and the printer. In these cases, use the print options specific to the imagePRESS Server and the printer. These options appear on the Fiery Printing tab. The application may not set up the file properly for printing on the imagePRESS Server, resulting in unexpected finishing, printing errors, or longer processing time.

If you specify incompatible print settings when printing a document, the Conflict dialog box provides instructions to resolve the conflict.

Some print options, such as expert color settings, Paper Catalog, and VDP master information, are available only if Two-Way Communication is turned on or a particular installable option is configured. For information about Two-Way Communication, see printer driver help. (See Configure installable options on Windows client computers on page 24.)

If you select Printer's default, the job prints according to the settings that the administrator specified in Setup. (See Print options and default settings on page 73.)

Set print options for a specific print job with the Windows printer driver

After you install the Windows printer driver on the client computer, you can set print options for a print job.

1 In your application, select File > Print, and select the imagePRESS Server as your printer.

2 Click Properties.

3 Click the Fiery Printing tab.

1 *Print option icons*

2 *Active area*

3 *Printer Status*

4 *Presets (Job Templates), see Help*

5 *Customize (Shortcuts), see Help*

6 *Job View*

7 *Help*

The Fiery Printing tab serves as the control center for all frequently used printing functions.

When you save the print options in a preset, the following option settings are not reflected:

- Job Info options: Destination > File name (for mail box / form store), Select mailbox, and Schedule printing, Job notes > Department ID and Department password, User authentication > Password
- Layout option: Impose

For information about using presets, see printer driver help.

Note: When you print a job that includes different page sizes, use the Mixed media print option to specify them, or set the Paper size option to Same as document size.

Note: For a list of print options, see Print options and default settings on page 73.

4 Specify print options and settings for your job.

The print options are grouped by categories. Each group or tab contains print options that are similar or complement one another.

- Quick Access- Contains duplicate print options from the other job properties groups. It is customizable, so any print option can be added or removed from the view. The Quick Access tab lets you find print options quickly without browsing through all of the Job Properties tabs. (See Customize the Quick Access icon in the Windows printer driver on page 30.)
- Job Info- All information about the job, including user information that may be required for user authentication and job handling. (See Job Info options on page 73.)
- Media- Attributes and sources of paper to print and insert. (See Media options on page 78.)
- Layout- Defines the imposition of the print job and the booklet process on the media/sheet, except for positioning that compensates for finishing options, for example, Tray Alignment. (See Layout options on page 81.)
- Color- Color settings and additional features (when turned on). (See Color options on page 93.)
- Image- All Image Quality settings supported by the connected imagePRESS Server and printer. (See Image options on page 100.)
- Finishing- Print options related only to finishing equipment on the printer, and also image shifting to compensate for finishing options. These options override settings in imagePRESS Server Printer Setup but can be changed from Command WorkStation. (See Finishing options on page 103.)
- VDP- All Variable Data Printing (VDP) settings, such as FreeForm and advanced VDP settings. (See Variable Data Printing (VDP) options on page 110.)
- Stamping- All image stamping options that add or hide/remove any image on the job. This also includes watermark properties that define the placement and style of the watermark. (See Stamping (Watermark) options on page 112 or printer driver help.)
- Printer- Information about printer status that includes the current paper and toner levels. (See View the printer status on page 31 or printer driver help.)

5 After you specify the print settings, click OK, and then click Print to send your print job.

Note: When you use the Enable job tracking print option, a window is displayed for your job accounting information.

Specify default print options for print jobs on Windows client computers

You can set the default print options for Windows print jobs using the Windows printer driver.

1 Navigate to the devices and printers on your network.

- Windows 10: Press the Windows button on the keyboard to open the Start screen. From the desktop, right-click the Start button in the lower-left corner of the screen. Click Control Panel. Click Hardware and Sound and then click Devices and Printers.
- Windows 8.1/Server 2012 R2: Press the Windows button on the keyboard to open the Start screen. From the desktop, click the Start button in the lower-left corner of the screen. Click Control Panel and then click Devices and Printers.
- Windows 8/Server 2012: Press the Windows button on the keyboard to open the Start screen. Open the Search charm by moving the mouse pointer to the upper-right or lower-right corner of the screen, move it up or down, and click Search. Type **Control Panel** in the search box, click Apps, and then click Control Panel in the results. Click Devices and Printers.
- Windows 7/Server 2008 R2: In Control Panel, click Network and Internet, and then click the View network computers and devices link from the Network and Sharing Center list.
- Windows Vista/Server 2008: In Control Panel, double-click Network and Sharing Center, and then click the View computers and devices link.

The printers are displayed in the Devices and Printers (or Printers and Faxes or Printers) folder.

2 Right-click the imagePRESS Server icon and select Printing Preferences.

3 If the Fiery Printing tab is not displayed, click it.

1 *Print option icons*

2 *Active area*

3 *Printer Status*

4 *Presets (Job Templates), see Help*

5 *Customize (Shortcuts), see Help*

6 *Job View*

7 *Help*

4 Specify the default settings for your print job. (See Set print options for a specific print job with the Windows printer driver on page 27.)

5 Click OK to close the dialog box.

Customize the Quick Access icon in the Windows printer driver

The Quick Access icon can be customized with print options that you use frequently.

This saves time because you do not have to open all of the other print option icons to set the options that you placed in Quick Access.

When you place a print option in Quick Access, it still appears under its original print option icon. You can set the option from either location.

1 In your application, select File > Print and select the imagePRESS Server as your printer.

2 Click Properties.

3 Click the Fiery Printing tab.

4 Click Customize to specify the options shown in the Customize Quick Access dialog box.

5 Add or remove a shortcut by selecting one and moving it from the Available Shortcuts list to/from the Current Shortcuts list.

6 Click OK to save your changes.

For more information about Quick Access, see printer driver help.

Fiery Driver Updater

The Fiery Driver Updater notification is displayed by the default setting. When updates are available, the Fiery Driver Updater notification window opens. You can update the printer driver by clicking the Update button.

You can also start the Fiery Driver Updater by clicking Check for driver update on the About tab of the Printer Properties window.

If you prefer to have automatic notification for updates turned off, do the following procedure.

1 Start the Fiery Driver Updater.

2 Click the settings icon at the bottom left corner of the Fiery Driver Updater window.

3 Clear the Show notifications option in the Preferences window.

Note: The Fiery Driver Updater updates the Fiery core driver only.

Note: Only install updates that are recommended by Canon.

View the printer status

You can retrieve the status and levels of consumable materials of the printer from the imagePRESS Server and display them in the printer driver with the Two-Way Communication option.

You can retrieve its color settings from the imagePRESS Server and display them in the printer driver.

For information about monitoring the status of the printer, see printer driver help.

Saving files to print at a remote location

If you do not have an imagePRESS Server on site and are preparing files for a service bureau or other location, print the final files to the File port (as opposed to one of the local ports).

You can also print to the File port to create a file to download using the Docs tab in WebTools. For instructions on printing to the File port, see the documentation that accompanies Windows.

Mac OS for imagePRESS Server

The imagePRESS Server can be set up as a printer on a Mac OS computer by installing the printer driver that correspond to your printer and setting up the imagePRESS Server for printing.

Printer drivers provide a way to communicate information about print jobs between your applications, the imagePRESS Server, and the printer.

Note: The following printer drivers are provided, one for each printer supported. When you install the printer driver, select the appropriate one for the printer in your network environment.

To print to this printer	Install this printer driver
Canon imagePRESS C850/C750/C650/C65	Canon iPR Svr H300 V1.0 Canon iPR Svr H300 V1.0 US

Note: Select the printer driver with "US" for North America (the default document size is Letter) or without "US" for International (the default document size is A4).

Installing printer driver on a Mac OS computer

Installing the printer driver is the first step to set up the imagePRESS Server as a printer.

Note: If the imagePRESS Server printer driver is already installed, you must uninstall it before you install a new driver. (See Uninstall printer driver from a Mac OS computer on page 34.)

Install Mac OS printer driver from the User Software DVD

The User Software DVD provides the software for Mac OS computers, such as the printer driver.

1. Quit all open applications.
2. Insert the User Software DVD into the DVD drive.
3. Open the Mac_User_SW folder.
4. Double-click Fiery Printer Driver.dmg.
5. Double-click Fiery Printer Driver.pkg and click Continue.
6. Read the license and click Continue.

7 Follow the on-screen instructions.

The Fiery Printer Driver Installer installs the printer driver that correspond to the imagePRESS Server.

Note: When the printer driver is added with the Bonjour connection, the last three bytes of the Mac OS address is added to the imagePRESS Server name.

8 If you can find the imagePRESS Server from the list of printers by Network Discovery, do one of the following:

- Select the imagePRESS Server, and continue to install the printer driver by specifying the Print queue. The printer uses the Bonjour connection.
- If you specify the Hold queue, the printer uses the LPD (LPR) protocol.

9 If you cannot find the imagePRESS Server (on a different subnet) and you want to use Port9100/LPR/ipp or want to connect to a virtual printer, then click Install Printer Driver Only.

You need to associate the printer driver from System Preferences > Printers & Scanners with the imagePRESS Server.

Download printer drivers with WebTools

WebTools allow you to download printer driver installers to your computer directly from the imagePRESS Server, if your administrator has configured access to WebTools.

For more information about setting up and starting WebTools, see *Utilities*.

1 Start your Internet or intranet browser and type the DNS name or IP address of the imagePRESS Server.

2 Click the Downloads tab.

3 Click the Printer Files link for Mac OS X.

A file named Fiery Printer Driver.dmg is downloaded to your desktop.

Note: If the file is not on the desktop, open the Downloads folder.

4 Double-click Fiery Printer Driver.dmg.

5 Double-click Fiery Printer Driver.pkg and click Continue.

6 Read the license and click Continue.

7 Follow the on-screen instructions.

Download Mac OS printer driver from the imagePRESS Server

You can download the printer driver to your Mac OS computer directly from the imagePRESS Server over the network.

1 In the Finder, select Go > Connect to Server.

2 Type **SMB:**// followed by the name or IP address of the imagePRESS Server and click Connect.

If you cannot locate your imagePRESS Server, contact your administrator.

3 Type the user name and password in the SMB/CIFS File System Authentication dialog box.

The "Guest" account can be used as the default. The Guest account does not require a password. If the Guest account cannot be used, ask your network administrator for an account.

4 Select the Mac_User_SW folder from the shared volume list and click OK.

5 Double-click the Fiery Printer Driver Installer icon to start installing the printer driver.

6 Follow the on-screen instructions.

Uninstall printer driver from a Mac OS computer

The Fiery Software Uninstaller utility is used to remove printer drivers from the Mac OS computer. It is installed and used locally on your Mac OS computer.

Install and use the Fiery Software Uninstaller utility

1 To copy the Fiery Software Uninstaller.dmg to your desktop, do one of the following:

- Copy it from the User Software DVD.
- Copy it from the Mac_User_SW folder from the shared volume list on the imagePRESS Server.

2 Double-click Fiery Software Uninstaller.dmg.

The Fiery Software Uninstaller opens in the Finder, displaying the Fiery Software Uninstaller icon and an arrow pointing to a link to the Applications folder.

3 Drag the Fiery Software Uninstaller icon to the Applications folder.

4 Open the Applications folder and double-click the Fiery Software Uninstaller icon.

5 Click the Printers tab if it is not already selected.

6 Select a printer from the Installed Printers list.

7 Do one of the following:

- Click Remove Printer and Driver to remove the printer along with its printer driver files.

  If you want to remove the printer and the associated printer driver files, you can select only one printer at a time.

- Click Remove Printer to remove the printer from the Installed Printers list only, but leave the printer driver files installed.

  The utility can remove only printers that are not currently in use or open on the Dock.

Note: If more than one printer uses the same printer driver file, removing the printer driver file also removes all printers using that printer driver.

8 To confirm that you want to delete the printer, type the password for your Mac OS computer in the dialog box and click OK.

9 Click the Drivers tab to view the installed printer drivers.

10 Close the Fiery Software Uninstaller dialog box.

Delete the Fiery Software Uninstaller utility

- Delete the Fiery Software Uninstaller icon from the Applications folder.

Set up Mac OS computers for printing

After the printer driver that corresponds to your printer has been installed, you must set up the Mac OS computer for printing to the imagePRESS Server.

Set up printing on a Mac OS X v10.11 client computer

After you have the imagePRESS Server printer driver installed, you must set up printing to the imagePRESS Server on a client computer running Mac OS X v10.11. You can add the printer with the LPR, Port 9100 or IPP connection.

Set up the imagePRESS Server from the Print dialog box on a Mac OS X v10.11 client computer

1 Open a file in your application.

2 Select File > Print.

3 Select Add Printer from the Printer menu.

In the dialog box that appears, select a printer connection.

Set up the imagePRESS Server with Printers & Scanners on a Mac OS X v10.11 client computer

1 Select Apple menu > System Preferences, and then select Printers & Scanners.

2 Click the + button to add a printer.

In the dialog box that appears, select one of the printer connections:

- Default
- IP Printer

Add a printer with the Default connection on a Mac OS X v10.11 client computer

You can add a printer with the Default connection on a Mac OS X v10.11 client computer.

1 Click the Default icon in the Add dialog box.

The names of printers with default connections are listed.

The names of the virtual printers appear as *printer name : virtual printer name* in the list of printers.

Any published virtual printer is available over LPR and FTP.

Note: SMB printing is not supported for Mac OS X v10.11.

2 Select the imagePRESS Server from the list.

The information about the selected printer appears at the bottom of the Default pane. The appropriate printer driver for the imagePRESS Server is automatically selected.

3 Click Add.

The imagePRESS Server name appears in the list of printers.

4 Select imagePRESS Server.

5 Click Options & Supplies, and then click the Options tab.

6 Specify the installable option settings, and then click OK.

For information about configuring installable options, see printer driver help.

Obtain the IP address of the imagePRESS Server on a Mac OS X v10.11 client computer

When the Bonjour connection is used for the imagePRESS Server printer driver on a Mac OS X v10.11 client computer, you can find out the IP address of the imagePRESS Server from the printer's Webpage.

The IP address can also be found from the Fiery QuickTouch LCD on the imagePRESS Server, by tapping the lower left corner to view information about the imagePRESS Server.

1 Select Apple menu > System Preferences, and then select Printers & Scanners.

2 Select the imagePRESS Server from the list, and then click Options & Supplies.

3 Click the General tab, and then click Show Printer Webpage.

4 Click the Configure tab.

5 Scroll to Network Protocol Setup, locate the IP address for the imagePRESS Server, and record it for future reference.

   The IP address is needed to turn on Two-Way Communication in the printer driver.

   For information about Two-Way Communication, see printer driver help.

6 Click the Close button to exit WebTools.

7 Click OK to close the Options & Supplies pane.

8 Close the Printers & Scanners dialog box.

Add a printer with the IP Printer connection on a Mac OS X v10.11 client computer

You can add a printer with the IP Printer connection on a Mac OS X v10.11 client computer.

1 Click the IP icon in the Add dialog box.

2 Do one of the following:

- For LPD printing, select Line Printer Daemon - LPD from the Protocol list, type the imagePRESS Server IP address or DNS name in the Address field, and then type the print connection (print, hold or sequential) or published virtual printer name in the Queue field.
- For Port 910x printing, select HP Jetdirect - Socket from the Protocol list, type the imagePRESS Server IP address or DNS name in the Address field. The Queue field can be left empty.
- For IPP printing, select Internet Printing Protocol - IPP from the Protocol list and type the imagePRESS Server IP address or DNS name in the Address field, and then type **ipp/printer** in lowercase letters in the Queue field.

  The IP address or DNS name appears in the Name field.

3 Choose Select Software from the Use menu.

4 Locate the printer manufacturer or model in the list, select the printer driver, and then click OK.

5 Click Add.

6 Specify the installable option settings in the installable options pane in the Printers & Scanners dialog box, and then click OK.

  The imagePRESS Server with its IP address appears in the list of printers.

  For information about configuring installable options, see printer driver help.

Set up printing on a Mac OS X v10.10 client computer

After you have the imagePRESS Server printer driver installed, you must set up printing to the imagePRESS Server on a client computer running Mac OS X v10.10. You can add the printer with the LPR, Port 9100 or IPP connection.

Set up the imagePRESS Server from the Print dialog box on a Mac OS X v10.10 client computer

1 Open a file in your application.

2 Select File > Print.

3 Select Add Printer from the Printer menu.

  In the dialog box that appears, select a printer connection.

Set up the imagePRESS Server with Printers & Scanners on a Mac OS X v10.10 client computer

1 Select Apple menu > System Preferences, and then select Printers & Scanners.

2 Click the + button to add a printer.

In the dialog box that appears, select one of the printer connections:

- Default
- IP Printer

Add a printer with the Default connection on a Mac OS X v10.10 client computer

You can add a printer with the Default connection on a Mac OS X v10.10 client computer.

1 Click the Default icon in the Add dialog box.

The names of printers with default connections are listed.

The names of the virtual printers appear as *printer name : virtual printer name* in the list of printers.

Any published virtual printer is available over LPR and FTP.

Note: SMB printing is not supported for Mac OS X v10.10.

2 Select the imagePRESS Server from the list.

The information about the selected printer appears at the bottom of the Default pane. The appropriate printer driver for the imagePRESS Server is automatically selected.

3 Click Add.

The imagePRESS Server name appears in the list of printers.

4 Select imagePRESS Server.

5 Click Options & Supplies, and then click the Options tab.

6 Specify the installable option settings, and then click OK.

For information about configuring installable options, see printer driver help.

Obtain the IP address of the imagePRESS Server on a Mac OS X v10.10 client computer

When the Bonjour connection is used for the imagePRESS Server printer driver on a Mac OS X v10.10 client computer, you can find out the IP address of the imagePRESS Server from the printer's Webpage.

The IP address can also be found from the Fiery QuickTouch LCD on the imagePRESS Server, by tapping the lower left corner to view information about the imagePRESS Server.

1 Select Apple menu > System Preferences, and then select Printers & Scanners.

2 Select the imagePRESS Server from the list, and then click Options & Supplies.

3 Click the General tab, and then click Show Printer Webpage.

4 Click the Configure tab.

5 Scroll to Network Protocol Setup, locate the IP address for the imagePRESS Server, and record it for future reference.

The IP address is needed to turn on Two-Way Communication in the printer driver.

For information about Two-Way Communication, see printer driver help.

6 Click the Close button to exit WebTools.

7 Click OK to close the Options & Supplies pane.

8 Close the Printers & Scanners dialog box.

Add a printer with the IP Printer connection on a Mac OS X v10.10 client computer

You can add a printer with the IP Printer connection on a Mac OS X v10.10 client computer.

1 Click the IP icon in the Add dialog box.

2 Do one of the following:

- For LPD printing, select Line Printer Daemon - LPD from the Protocol list, type the imagePRESS Server IP address or DNS name in the Address field, and then type the print connection (print, hold or sequential) or published virtual printer name in the Queue field.
- For Port 910x printing, select HP Jetdirect - Socket from the Protocol list, type the imagePRESS Server IP address or DNS name in the Address field. The Queue field can be left empty.
- For IPP printing, select Internet Printing Protocol - IPP from the Protocol list and type the imagePRESS Server IP address or DNS name in the Address field, and then type **ipp/printer** in lowercase letters in the Queue field.

  The IP address or DNS name appears in the Name field.

3 Choose Select Software from the Use menu.

4 Locate the printer manufacturer or model in the list, select the printer driver, and then click OK.

5 Click Add.

6 Specify the installable option settings in the installable options pane in the Printers & Scanners dialog box, and then click OK.

The imagePRESS Server with its IP address appears in the list of printers.

For information about configuring installable options, see printer driver help.

Set up printing on a Mac OS X v10.9 client computer

After you have the imagePRESS Server printer driver installed, you must set up printing to the imagePRESS Server on a client computer running Mac OS X v10.9. You can add the printer with the LPR, Port 9100 or IPP connection.

Set up the imagePRESS Server from the Print dialog box on a Mac OS X v10.9 client computer

1 Open a file in your application.

2 Select File > Print.

3 Select Add Printer from the Printer menu.

In the dialog box that appears, select a printer connection.

Set up the imagePRESS Server with Printers & Scanners on a Mac OS X v10.9 client computer

1 Select Apple menu > System Preferences, and then select Printers & Scanners.

2 Click the + button to add a printer.
In the dialog box that appears, select one of the printer connections:

- Default
- IP Printer

Add a printer with the Default connection on a Mac OS X v10.9 client computer

You can add a printer with the Default connection on a Mac OS X v10.9 client computer.

1 Click the Default icon in the Add dialog box.

The names of printers with default connections are listed.

The names of the virtual printers appear as *printer name : virtual printer name* in the list of printers.

Any published virtual printer is available over LPR and FTP.

Note: SMB printing is not supported for Mac OS X v10.9.

2 Select the imagePRESS Server from the list.

The information about the selected printer appears at the bottom of the Default pane. The appropriate printer driver for the imagePRESS Server is automatically selected.

3 Click Add.

The imagePRESS Server name appears in the list of printers.

4 Select imagePRESS Server.

5 Click Options & Supplies, and then click the Options tab.

6 Specify the installable option settings, and then click OK.

For information about configuring installable options, see printer driver help.

Obtain the IP address of the imagePRESS Server on a Mac OS X v10.9 client computer

When the Bonjour connection is used for the imagePRESS Server printer driver on a Mac OS X v10.9 client computer, you can find out the IP address of the imagePRESS Server from the printer's Webpage.

The IP address can also be found from the Fiery QuickTouch LCD on the imagePRESS Server, by tapping the lower left corner to view information about the imagePRESS Server.

1 Select Apple menu > System Preferences, and then select Printers & Scanners.

2 Select the imagePRESS Server from the list, and then click Options & Supplies.

3 Click the General tab, and then click Show Printer Webpage.

4 Click the Configure tab.

5 Scroll to Network Protocol Setup, locate the IP address for the imagePRESS Server, and record it for future reference.

   The IP address is needed to turn on Two-Way Communication in the printer driver.

   For information about Two-Way Communication, see printer driver help.

6 Click File > Close Window to close WebTools.

7 Click OK to close the Options & Supplies pane.

8 Close the Printers & Scanners dialog box.

Add a printer with the IP Printer connection on a Mac OS X v10.9 client computer

You can add a printer with the IP Printer connection on a Mac OS X v10.9 client computer.

1 Click the IP icon in the Add dialog box.

2 Do one of the following:

- For LPD printing, select Line Printer Daemon - LPD from the Protocol list, type the imagePRESS Server IP address or DNS name in the Address field, and then type the print connection (print, hold or sequential) or published virtual printer name in the Queue field.
- For Port 910x printing, select HP Jetdirect - Socket from the Protocol list, type the imagePRESS Server IP address or DNS name in the Address field. The Queue field can be left empty.
- For IPP printing, select Internet Printing Protocol - IPP from the Protocol list and type the imagePRESS Server IP address or DNS name in the Address field, and then type **ipp/printer** in lowercase letters in the Queue field.

  The IP address or DNS name appears in the Name field.

3 Choose Select Software from the Use menu.

4 Locate the printer manufacturer or model in the list, select the printer driver, and then click OK.

5 Click Add.

6 Specify the installable option settings in the installable options pane in the Printers & Scanners dialog box, and then click OK.

  The imagePRESS Server with its IP address appears in the list of printers.

  For information about configuring installable options, see printer driver help.

Set up printing on a Mac OS X v10.8 client computer

After you have the imagePRESS Server printer driver installed, you must set up printing to the imagePRESS Server on a client computer running Mac OS X v10.8. You can add the printer with the LPR, Port 9100 or IPP connection.

Set up the imagePRESS Server from the Print dialog box on a Mac OS X v10.8 client computer

1 Open a file in your application.

2 Select File > Print.

3 Select Add Printer from the Printer menu.

  In the dialog box that appears, select a printer connection.

Set up the imagePRESS Server with Print & Scan on a Mac OS X v10.8 client computer

1 Select Apple menu > System Preferences, and then select Print & Scan.

2 Click the + button to add a printer.

In the dialog box that appears, select one of the printer connections:

- Default
- IP Printer

Add a printer with the Default connection on a Mac OS X v10.8 client computer

You can add a printer with the Default connection on a Mac OS X v10.8 client computer.

1 Click the Default icon in the Add dialog box.

The names of printers with default connections are listed.

The names of the virtual printers appear as *printer name : virtual printer name* in the list of printers.

Any published virtual printer is available over LPR and FTP.

Note: SMB printing is not supported for Mac OS X v10.8.

2 Select the imagePRESS Server from the list.

The information about the selected printer appears at the bottom of the Default pane. The appropriate printer driver for the imagePRESS Server is automatically selected.

3 Click Add.

The imagePRESS Server name appears in the list of printers.

4 Select imagePRESS Server.

5 Click Options & Supplies, and then click the Driver tab.

6 Specify the installable option settings, and then click OK.

For information about configuring installable options, see printer driver help.

Obtain the IP address of the imagePRESS Server on a Mac OS X v10.8 client computer

When the Bonjour connection is used for the imagePRESS Server printer driver on a Mac OS X v10.8 client computer, you can find out the IP address of the imagePRESS Server from the printer's Webpage.

The IP address can also be found from the Fiery QuickTouch LCD on the imagePRESS Server, by tapping the lower left corner to view information about the imagePRESS Server.

1 Select Apple menu > System Preferences, and then select Print & Scan.

2 Select the imagePRESS Server from the list, and then click Options & Supplies.

3 Click the General tab, and then click Show Printer Webpage.

4 Click the Configure tab.

5 Scroll to Network Protocol Setup, locate the IP address for the imagePRESS Server, and record it for future reference.

The IP address is needed to turn on Two-Way Communication in the printer driver.

For information about Two-Way Communication, see printer driver help.

6 Click File > Close Window to close WebTools.

7 Click OK to close the Options & Supplies pane.

8 Close the Print & Scan dialog box.

Add a printer with the IP Printer connection on a Mac OS X v10.8 client computer

You can add a printer with the IP Printer connection on a Mac OS X v10.8 client computer.

1 Click the IP icon in the Add dialog box.

2 Do one of the following:

- For LPD printing, select Line Printer Daemon - LPD from the Protocol list, type the imagePRESS Server IP address or DNS name in the Address field, and then type the print connection (print, hold or sequential) or published virtual printer name in the Queue field.
- For Port 910x printing, select HP Jetdirect - Socket from the Protocol list, type the imagePRESS Server IP address or DNS name in the Address field. The Queue field can be left empty.
- For IPP printing, select Internet Printing Protocol - IPP from the Protocol list and type the imagePRESS Server IP address or DNS name in the Address field, and then type **ipp/printer** in lowercase letters in the Queue field.

  The IP address or DNS name appears in the Name field.

3 Choose Select Printer Software from the Use menu.

4 Locate the printer manufacturer or model in the list, select the printer driver, and then click OK.

5 Click Add.

6 Specify the installable option settings in the installable options pane in the Print & Scan dialog box, and then click OK.

The imagePRESS Server with its IP address appears in the list of printers.

For information about configuring installable options, see printer driver help.

Set up printing on a Mac OS X v10.7 client computer

After you have the imagePRESS Server printer driver installed, you must set up printing to the imagePRESS Server on a client computer running Mac OS X v10.7. You can add the printer with the LPR, Port 9100 or IPP connection.

Set up the imagePRESS Server from the Print dialog box on a Mac OS X v10.7 client computer

1 Open a file in your application.

2 Select File > Print.

3 Select Add Printer from the Printer menu.
In the dialog box that appears, select a printer connection.

Set up the imagePRESS Server with Print & Scan on a Mac OS X v10.7 client computer

1 Select Apple menu > System Preferences, and then select Print & Scan.

2 Click the + button to add a printer.
In the dialog box that appears, select one of the printer connections:

- Default
- IP Printer

Add a printer with the Default connection on a Mac OS X v10.7 client computer

You can add a printer with the Default connection on a Mac OS X v10.7 client computer.

1 Click the Default icon in the Add Printer dialog box.

The names of printers with default connections are listed.

The names of the virtual printers appear as *printer name : virtual printer name* in the list of printers.

Any published virtual printer is available over LPR and FTP.

Note: SMB printing is not supported for Mac OS X v10.7.

2 Select the imagePRESS Server from the list.

The information about the selected printer appears at the bottom of the Default pane. The appropriate printer driver for the imagePRESS Server is automatically selected.

3 Click Add.

The imagePRESS Server name appears in the list of printers.

4 Select imagePRESS Server.

5 Click Options & Supplies, and then click the Driver tab.

6 Specify the installable option settings, and then click OK.

For information about configuring installable options, see printer driver help.

Obtain the IP address of the imagePRESS Server on a Mac OS X v10.7 client computer

When the Bonjour connection is used for the imagePRESS Server printer driver on a Mac OS X v10.7 client computer, you can find out the IP address of the imagePRESS Server from the printer's Webpage.

The IP address can also be found from the Fiery QuickTouch LCD on the imagePRESS Server, by tapping the lower left corner to view information about the imagePRESS Server.

1 Select Apple menu > System Preferences, and then select Print & Scan.

2 Select the imagePRESS Server from the list, and then click Options & Supplies.

3 Click the General tab, and then click Show Printer Webpage.

4 Click the Configure tab.

5 Scroll to Network Protocol Setup, locate the IP address for the imagePRESS Server, and record it for future reference.

   The IP address is needed to turn on Two-Way Communication in the printer driver.

   For information about Two-Way Communication, see printer driver help.

6 Click File > Close Window to close WebTools.

7 Click OK to close the Options & Supplies pane.

8 Close the Print & Scan dialog box.

Add a printer with the IP Printer connection on a Mac OS X v10.7 client computer

You can add a printer with the IP Printer connection on a Mac OS X v10.7 client computer.

1 Click the IP icon in the dialog box.

2 Do one of the following:

- For LPD printing, select Line Printer Daemon - LPD from the Protocol list, type the imagePRESS Server IP address or DNS name in the Address field, and then type the print connection (print, hold or sequential) or published virtual printer name in the Queue field.
- For Port 910x printing, select HP Jetdirect - Socket from the Protocol list, type the imagePRESS Server IP address or DNS name in the Address field. The Queue field can be left empty.
- For IPP printing, select Internet Printing Protocol - IPP from the Protocol list and type the imagePRESS Server IP address or DNS name in the Address field, and then type **ipp**/**printer** in lowercase letters in the Queue field.

  The IP address or DNS name appears in the Name field.

3 Choose Select Printer Software from the Print Using menu.

4 Locate the printer manufacturer or model in the list, select the printer driver, and then click OK.

5 Click Add.

6 Click OK.

  The imagePRESS Server with its IP address appears in the list of printers.

7 Select imagePRESS Server.

8 Click Options & Supplies, and then click the Driver tab.

9 Specify the installable option settings, and then click OK.

  For information about configuring installable options, see printer driver help.

Configuring installable options on Mac OS client computers

To use the print options for the printer and imagePRESS Server appropriately, you must configure the imagePRESS Server from your computer for the options that are installed on the printer. Configure the options manually.

For information about configuring installable options, see printer driver help.

Using Desktop Printer

After adding the imagePRESS Server to the list of printers in the Printers & Scanners (or Print & Scan) dialog box, you can create and use the Desktop Printer feature.

For information about the Desktop Printer feature, see printer driver help.

Printing from Mac OS client computers

You can print to the imagePRESS Server just as you would print to any other printer from a Mac OS application.

Select the imagePRESS Server as the default printer in the list of printers, specify print options, and then print the document from the application.

The following list includes other methods to print to the imagePRESS Server and describes where to find information about these features:

- Downloading files to the imagePRESS Server with the Docs tab in WebTools. (See *Utilities*.)
- Printing documents with Hot Folders. (See *Fiery Hot Folders Help*.)
- Printing documents with Command WorkStation. (See *Utilities*.)
- Achieving optimal printing results from applications. (See *Color Printing* and *Fiery Color Reference*.)
- Selecting the imagePRESS Server in the Printers list. (See Select the imagePRESS Server as the default printer on a Mac OS client computer on page 53.)
- Printing jobs from Mac OS applications. (See Set print options and printing from Mac OS applications on page 54.)
- Customizing the Quick Access view. (See Customize the Quick Access pane in the Mac OS printer driver on page 56.)
- Viewing the printer status. (See View the printer status on page 57.)
- Printing custom page sizes. (See Defining and printing custom page sizes on page 120.)

Select the imagePRESS Server as the default printer on a Mac OS client computer

Before you print a job, you must set the imagePRESS Server in the Printers list as your default printer.

1. Make sure that the imagePRESS Server is connected to the network and turned on.
2. Select Apple menu > System Preferences, and then select Printers & Scanners (or Print & Scan).

   The printers that are set up for printing are listed. The virtual printers that are configured at the imagePRESS Server and set up for printing are also listed.
3. Select imagePRESS Server from the Default Printer menu.
4. Close the window.

View queries in the Print Queue on client computers

When the printer driver establishes communication with the imagePRESS Server on a Mac OS client computer, the queries are listed as jobs in the Print Queue.

To view the queries, open the Print Queue.

- Select Apple menu > System Preferences > Print & Scanners (or Print & Scan), then select the imagePRESS Server from the list of printers, and click Open Print Queue.

  The queries are not real jobs and they will disappear from the Print Queue after they are completed.

Set print options and printing from Mac OS applications

To print from Mac OS client computers, install the printer driver that corresponds to your printer.

In Mac OS applications, print options are set from the Print dialog box. (See Installing printer driver on a Mac OS computer on page 32.)

Some print options that are selectable from an application are similar to print options that are specific to the imagePRESS Server and the printer. In these cases, use the print options specific to the imagePRESS Server and the printer. These options appear in the Fiery Features pane and/or in the Printing Preferences window. The application may not set up the file properly for printing on the imagePRESS Server, resulting in unexpected finishing, printing errors, or longer processing time.

If you specify incompatible print settings when printing a document, the Conflict dialog box provides instructions to resolve the conflict.

Some print options are available only if Two-Way Communication is turned on or a particular installable option is configured.

You can retrieve its expert color settings from the imagePRESS Server when Two-Way Communication is turned on and display them in the printer driver.

For information about Two-Way Communication, see printer driver help. (See Configuring installable options on Mac OS client computers on page 52.)

If you select Printer's default, the job prints according to the settings that the administrator specified in Setup. (See Set print options and print a job from a Mac OS X client computer on page 54.)

Set print options and print a job from a Mac OS X client computer

You use the printer driver to specify print options for a particular job and then print it to the imagePRESS Server.

1. In your application, select File > Print, and select the imagePRESS Server as your printer.
2. Select Fiery Features from the drop-down list.

1 *Fiery Features*

2 *Customize (Shortcuts), see Help*

3 *Full Properties*

4 *Presets (Job Templates), see Help*

5 *Two-Way Communication*

When you save the print options in a preset, the following option settings are not reflected:

- Job Info options: Destination > File name (for mail box / form store), Select mailbox, and Schedule printing, Job notes > Department ID and Department password, User authentication > Password
- Layout option: Impose

For information about using presets, see printer driver help.

When you print a job that includes different page sizes, use the Mixed media print option to specify them, or set the Paper size option to Same as document size.

Note: You cannot import or export Local Presets to or from the Mac OS X v10.7 printer driver.

For a list of print options, see Print options and default settings on page 73.

3 Click Full Properties in the Quick Access pane to specify print options and settings for your job.

The print options are grouped by categories. Each group or tab contains print options that are similar or complement one another.

- Quick Access- Contains duplicate print options from the other job properties groups. It is customizable, so any job override print option can be added or removed from the view. The Quick Access pane lets you find print options quickly without browsing through all of the Job Properties tabs. (See Customize the Quick Access icon in the Windows printer driver on page 30.)
- Job Info- All information about the job, including user information that may be required for user authentication and job handling. (See Job Info options on page 73.)
- Media- Attributes and sources of paper to print and insert. (See Media options on page 78.)
- Layout- Layout defines the imposition of the print job and the booklet process on the media/sheet, except for positioning that compensates for finishing options, for example, Tray Alignment. (See Layout options on page 81.)
- Color- Color settings and additional features (when turned on). (See Color options on page 93.)
- Image- All Image Quality settings supported by the connected imagePRESS Server and printer. (See Image options on page 100.)
- Finishing- Print options related only to finishing equipment on the printer, and also image shifting to compensate for finishing options. These options override settings in imagePRESS Server Printer Setup but can be changed from Command WorkStation. (See Finishing options on page 103.)
- VDP- All Variable Data Printing (VDP) settings, such as FreeForm and advanced VDP settings. (See Finishing options on page 103.)
- Stamping- All image stamping options that add or hide/remove any image on the job. This also includes watermark properties that define the placement and style of the watermark. (See Stamping (Watermark) options on page 112 or printer driver help.)
- Printer- Information about printer status that includes the current paper and toner levels. (See View the printer status on page 31 or printer driver help.)

4 After you specify the print settings, click OK, and then click Print to send your print job.

Note: When you use the Enable job tracking print option, a window is displayed for your job accounting information.

Customize the Quick Access pane in the Mac OS printer driver

The Quick Access pane can be customized with print options that you use frequently.

This saves time because you do not have to open all of the other print option icons to set the options that you placed in Quick Access.

When you place a print option in Quick Access, it still appears under its original print option icon. You can set the option from either location.

1 In your application, select File > Print and select the imagePRESS Server as your printer.

2 Select Fiery Features from the drop-down list.

3 Click Customize to specify the options shown in the Quick Access pane.

4 Add or remove a shortcut by selecting one and moving it from the Available Shortcuts list to/from the Current Shortcuts list.

5 Click OK to save your changes.

For more information about Quick Access, see printer driver help.

View the printer status

You can retrieve the status and levels of consumable materials of the printer from the imagePRESS Server and display them in the printer driver with the Two-Way Communication option.

You can retrieve its color settings from the imagePRESS Server and display them in the printer driver.

For information about monitoring the status of the printer, see printer driver help.

Other Printing Methods

You can print jobs with the imagePRESS Server printer driver to the imagePRESS Server, as well as other printing methods, such as Command WorkStation.

E-mail Service

E-mail Service allows you to control the imagePRESS Server using your current email infrastructure, print to remote locations, and bypass firewalls.

E-mail Service is not application-specific. You can use any email infrastructure.

The imagePRESS Server supports internal address books. Administrators can retrieve, add, delete, and clear addresses from address books by sending requests through email. (See *Configuration and Setup*.)

To set up E-mail Service, see *Configure Help*.

Use E-mail Service in the following ways:

- Print a job from an email application.

  To print with an email client, you send a file as an email attachment. E-mail Service extracts the file and sends it to the imagePRESS Server. The attachment can be in any file format the imagePRESS Server recognizes (PS, PDF, EPS, VDP, or TIFF).

  Note: E-mail Service does not process files with .vbs, .exe, or .bat extensions.

- Manage jobs using an email application.

  You can manage your print jobs by submitting email commands to the imagePRESS Server using email.

Printing using an email client

You can submit print jobs to the imagePRESS Server in the form of an email attachment using your email application.

When you send an email with an attachment, E-mail Service extracts the file and sends it to the imagePRESS Server Print queue. The file format must be one supported by the imagePRESS Server.

By default, anyone can print with an email client, unless the Print address book has been set up by the administrator. If the Print address book has been set up and your email address is not in it, you cannot send files to the imagePRESS Server using email. (See *Configuration and Setup*.)

When User Authentication is turned on at the imagePRESS Server, the email attachment must have the appropriate user name and password when it is printed through email printing. As part of creating the email attachment with the imagePRESS Server printer driver, type the appropriate user name and password on the Job Info tab of the printer driver. The user name and password must match those defined by the administrator in the Users and Groups section of Configure. For information about Users and Groups, see *Command WorkStation Help*.

Note: The Direct connection is not supported by the email client feature.

When the attached job is printed, the email is also printed, which includes the typical header information, such as subject, date, sender, and so forth.

Print an email attachment with an email client

You can print an email attachment with an email client.

1 Open your email application.

2 Type the imagePRESS Server email address in the To: line.

3 Type text in the Subject line or leave the Subject line blank.

4 Attach the file that you want to print.

The attachment can be in any file format the imagePRESS Server recognizes (PS, PDF, EPS, VDP, or TIFF).

Note: If your attachment exceeds the file size limitation set by your email administrator, the email is not sent.

5 To identify the job or provide further processing instructions, type text in the body of the message.

Note: HTML-formatted email messages are not supported, and might not print as they appear on the remote workstation. Send email messages in plain text format.

6 Send the email.

The file is sent to the imagePRESS Server and the job is printed. After the imagePRESS Server receives the job, you receive an email notification that the print job was accepted. The email provides a job identification (ID). Use job IDs to manage jobs with email commands. The email notification indicates any current error at the printer. (See Manage print jobs with email commands on page 60.)

After the job is printed, you receive a second email notification that indicates the job printed successfully.

Manage print jobs with email commands

You can manage your print jobs by submitting commands to the imagePRESS Server using email.

You can cancel a job, check job status, and get help on a job. When you send a command, the imagePRESS Server sends an email response.

1 In your email application, type the imagePRESS Server email address in the To: line.

2 Type one of the following commands in the Subject line:

- To check the status of a job, type **#JobStatus<job id>** in the Subject line.

  You receive a reply to your job status query. You can only get the status of the job if you sent the job or are an administrator.

- To cancel a job, type **#CancelJob<job id>** in the Subject line.

  You receive a notification indicating that the job has been canceled and did not print to the imagePRESS Server. You can only cancel a job if you sent the job.

- To get help, type **#Help** in the Subject line.

  You receive an email response that contains links that allow you to cancel jobs, check job status, and search and manage address books. Click any of the links to perform a command.

3 Send the email to the imagePRESS Server.

Printing from a USB flash drive

You can print files from a USB flash drive to the imagePRESS Server. The imagePRESS Server supports printing from the USB flash drive using USB Media Server.

The USB port and automatic printing feature must be enabled in Configure, as described in *Configuration and Setup* or *Command WorkStation Help*.

You can manually print files from a USB flash drive when USB Media Autoprint is disabled in Configure.

Files are automatically processed as soon as you connect the USB flash drive to the imagePRESS Server. The files can be from Mac OS or Windows computers, and can be any of the supported file types (DOC, EPS, PCL, PDF, PPT, PS, TIFF, or XLS).

Note: The Enable Native Document Conversion Using PrintMe option in Configure must be turned on to print DOC, PPT, and XLS files.

You can set up folders in the root of the flash drive to correspond to the imagePRESS Server queues:

- To send files to one of the standard print queues (print, hold, or direct) on the imagePRESS Server, create folders with those names in the root of the flash drive, and then drop the files into the folders.
- To print any file from the USB flash drive, manually select the file to print, specify where to send it, and select print options.
- Files in folders with imagePRESS Server queue names at the root level of the USB flash drive are copied automatically to the corresponding imagePRESS Server queue.
- To send files to a virtual printer that is configured on the imagePRESS Server, create a folder with the virtual printer name in the root of the flash drive, and then drop the files into the folder. Verify with your administrator that the virtual printers are published. For more information about virtual printers, see *Command WorkStation Help*.

Note: If you have more than 50 published virtual printers, you cannot print from a USB flash drive to a virtual printer.

Print files automatically from a USB flash drive

You can print files automatically from a USB flash drive only if automatic printing is turned on in Configure.

1. Ensure the USB port and automatic printing are enabled, as described in *Configuration and Setup* or *Command WorkStation Help*.
2. Create folders at the top (root) level of the USB flash drive named print, hold, direct, and the name of any virtual printer that has been configured and published on the imagePRESS Server.
3. Save the files (DOC, EPS, PCL, PDF, PPT, PS, TIFF, or XLS) from either the Mac OS or Windows computer to the USB flash drive, placing the files in the folders that correspond to the action that you want to take.
4. Connect the USB flash drive to the USB port on the imagePRESS Server.

   The files are automatically printed or held according to the folder they are in.

   For the location of the USB port, see *Configuration and Setup*.
5. After the files have arrived in the related queue, remove the USB flash drive from the imagePRESS Server.

   Important: Make sure that the USB flash drive is properly stopped before you disconnect it from the imagePRESS Server.

Print files manually from a USB flash drive

You can manually select files to print from a USB flash drive connected to the imagePRESS Server.

When USB Media Auto Print is disabled in Configure, you must manually select the files that you want to print from the USB flash drive and specify where you want to send them.

1. Insert the USB flash drive into a USB port on the imagePRESS Server.

2 On the printer control panel, press the Main Menu button.

3 If the Fiery logo is not displayed, press Show All.

4 Press the Fiery logo.

5 Press the Jobs tab, and then press the USB tab to view the USB browsing window.

The files on the USB flash drive are displayed on the printer control panel. Both files at the root level of the USB flash drive and folders are displayed.

6 Touch a directory to go down a directory.

7 To browse back to the root level, press the Upper Folder button of the USB tab window.

8 To navigate through the list of files and folders, you can press the First icon, Prev icon, Next icon, or Last icon.

9 Print one file or all files in the directory.

- To print one file, select the file and press Print.
- To print all files in the directory, press Print All.

10 Specify print options for the file.

- Queue (Print, Direct, Hold or any published virtual printer set up for the imagePRESS Server)
- Copies (number of copies)
- Duplex (Default, Off, Long edge binding, Short edge binding)
- Paper size (Default, list of page sizes)

11 Press Print to send the file to the imagePRESS Server for printing or Cancel to cancel the print request.

12 On the printer control panel, press the Main Menu button.

13 Remove the USB flash drive from the imagePRESS Server.

Print and retrieve a secure print job

The Secure Print feature offers a level of security for confidential or sensitive print jobs, which print only when you are present at the printer control panel.

To use this feature, you first enter an arbitrary password into the Secured password field in the printer driver when you send your job to the imagePRESS Server. Then, to print your job, you re-enter the password at the printer control panel.

Send a secure print job

1 In your application, do one of the following:

- On Windows computers: Select File > Print, select the imagePRESS Server as your printer, click Properties, and then click the Job Info icon.
- On Mac OS X computers: Select File > Print, select the imagePRESS Server as your printer, select Fiery Features from the drop-down list, click Full Properties in the Quick Access pane, and then click the Job Info icon in the Printing Preferences dialog box.

2 Specify Secured Print for Destination.

3 Type an arbitrary password in the Secured Password field.

Note: The password requires at least 1 digit and can be up to 7 digits long. It is limited to numbers (do not use letters or symbols).

For more information about typing the password, see Job Info options on page 73.

4 Make any other required changes to Job Properties.

5 Click OK to close the imagePRESS Server Properties dialog box.

6 Click OK or Print to close the Print dialog box and send your job to the imagePRESS Server.

The job is sent to the printer.

Note: The indicator light on the printer flashes green when a secure print job is sent.

Retrieve a secure print job from the printer

1 On the printer control panel, press the Main Menu button.

2 Press the Secure Print icon.

A list of secure print jobs are shown.

3 Select your print job.

4 Press Secure Print.

5 Type the same password that you typed in the Secured password field of the printer driver, and then press OK.

FTP printing

You can send jobs to the imagePRESS Server using FTP printing if the imagePRESS Server is set up as an FTP server with FTP Services configured on it.

For more information about configuring FTP Services, see *Command WorkStation Help*.

You can use any FTP client application. Before you use FTP printing, the FTP client application requires the following information (see your administrator):

- IP address or DNS name for the imagePRESS Server
- Directory or path to send the job to, such as the Print queue, Hold queue, or published virtual printers (if supported)

Note: You cannot print to the Direct connection with FTP printing.

- User name and password (if required)

You can send the following files to the imagePRESS Server:

- PostScript (PS)
- Printer Control Language (PCL)
- Tagged Image File Format (TIFF)
- Portable Document Format (PDF)

Note: Encapsulated PostScript (EPS) files are not supported for FTP printing.

Print files to the imagePRESS Server with the FTP protocol

You can use the FTP protocol to print files to the imagePRESS Server.

1. Connect to the imagePRESS Server with your FTP client application.

   Folders corresponding to the Print queue, Hold queue, and any published virtual printers are displayed.

2. Navigate to the folder representing the print connection or published virtual printer.
3. Upload your job to the appropriate folder.

   After the job is printed, it is deleted from the imagePRESS Server.

Adobe PDF Print Engine (APPE)

The Adobe PDF Print Engine (APPE) is an additional interpreter that allows native PDF processing and rendering without requiring the imagePRESS Server to convert the job from PDF to PostScript.

No special printer driver is required for printing APPE jobs, but the administrator must turn on related settings in Setup. If APPE is not turned on, PDF files are processed with the PostScript interpreter of the imagePRESS Server. All PostScript files continue to be processed with the PostScript interpreter.

The APPE option is not available from the printer driver, but is included in Job Properties in Command WorkStation. After the administrator turns on APPE as the default in Configure, you can turn on or turn off the APPE option in Job Properties on a per-job basis.

To turn on the APPE workflow in the imagePRESS Server, see *Configuration and Setup*.

Print with the APPE workflow

You can use the APPE workflow to print files to the imagePRESS Server.

You can print with the APPE workflow using one of the following methods:

- Command WorkStation

  Import a job, or drag a job from your computer to the Job Center.

  For more information, see *Command WorkStation Help*.

- Hot Folders

  Configure a hot folder for APPE.

  For more information, see *Hot Folders Help*.

Use APPE workflow in Command WorkStation

1 Double-click a PDF job in the Held or Printed list, or select the job and do one of the following:

- Right-click to select Properties.
- Select Job Center > Properties.
- Select Properties from the Actions menu.

2 Select the Adobe PDF Print Engine Preferred check box.

1 Adobe PDF Print Engine Preferred option

3 Specify the print option settings, and then click Print.

Print multiple files with APPE workflow

You can print multiple files at the same time with the APPE workflow.

If you open Job Properties for files of different file types, the Adobe PDF Print Engine Preferred option is displayed only if one of the selected files is a PDF. The print option name is shown as Adobe PDF Print Engine Preferred

(Applies only to PDF Jobs) and the check box indicates at least one of the PDF jobs selected has been processed through the APPE workflow.

1 *Adobe PDF Print Engine Preferred (Applied only to PDF Jobs) option*

For a multiple file selection containing non-PDF files, the Adobe PDF Print Engine Preferred option is not shown.

If a PDF file contains mixed page sizes when processed using APPE, the Paper size option reflects the size of the first page in the PDF. If you override the size in Job Properties, all of the pages in the PDF become the selected size.

Access the properties of multiple jobs

You can specify print options for multiple jobs selected at one time.

1 Shift-click to select multiple, sequential jobs, or Ctrl-click to select multiple, non-sequential jobs, and then click Properties.

   Menus for each available print option are displayed in the Job Properties dialog box.

2 After the multiple jobs have opened, specifying a value in the Job Properties dialog box applies it to all jobs.

   The Summary tab allows a side-by-side comparison of the specified print options for multiple jobs.

Direct Mobile Printing

Direct Mobile Printing allows direct printing to the imagePRESS Server from mobile devices, such as iPad, iPhone, and iPod touch.

The imagePRESS Server must have certain networking options turned on in Setup. After Setup is complete, the imagePRESS Server appears in the list of available printers on the mobile device.

In addition, observe the following configuration requirements:

- Make sure that the imagePRESS Server 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 imagePRESS Server. The Printer Default Paper Size is used for all Direct Mobile Printing jobs.

For information about configuring the settings in Setup on the imagePRESS Server, see *Configuration and Setup*.

For a list of supported mobile devices, see *Configuration and Setup*.

Print from a mobile device

You can print files from your mobile device to the imagePRESS Server.

1 On the mobile device, select the job, and then open the Print window.

   For more information, see the documentation that accompanies your device.

2 Select imagePRESS Server in the list of available printers.

3 Specify print settings, and click Print.

PrintMe cloud printing

Users with a PrintMe subscription can upload a document to the PrintMe Cloud Service and then print the document to the printer using the printer control panel.

Before you print:

- Make sure that the imagePRESS Server has an Internet connection and is connected to the network.
- Turn on PrintMe and related settings on the imagePRESS Server using Configure.

  For information about configuring the settings in Setup on the imagePRESS Server, see *Configuration and Setup*.
- Upload the document to PrintMe, either at http://www.printme.com or send by email to **print@printme.com**.

  For more information about using PrintMe, see EFI PrintMe Cloud Service.
- Print directly from a Windows application. To do this, you must first install the PrintMe printer driver. See Install the PrintMe printer driver on page 68.
- When you upload or email a document to PrintMe, you receive an email confirmation that contains a unique document ID. You need this document ID to print, as described in the following procedures.
- Make sure that the printer is not printing or processing any files.
- PrintMe supports the following file types: PDF, XLS, DOC, PPT, GIF, JPG, TIFF, PICT, HTML, TXT, and PS. The maximum file size is 25MB.

  Note: The Enable Native Document Conversion Using PrintMe option in Configure must be turned on to print DOC, PPT, and XLS files.

In particular, observe the following:

- The PrintMe feature on the imagePRESS Server requires a subscription to the PrintMe Cloud Service.
- Canon, Inc. guarantees communication only between EFI PrintMe Cloud Service and the imagePRESS Server.
- For information or support related to the PrintMe Cloud Service, contact Electronics For Imaging at **printmesupport@efi.com**.
- PrintMe availability may vary, depending on the country or region.

Print a PrintMe document from a printer

You can print an uploaded document from the PrintMe Cloud Service to the printer.

1 On the printer control panel, press the Main Menu button.

2 If the Fiery logo is not displayed, press Show All.

3 Press the Fiery logo.

4 Press the PrintMe tab.

5 Type the Document ID and press Next.

Refer to the email confirmation for Document ID.

Jobs associated with the password are displayed.

6 Select a job to print and then press Print Options.

- Copies: Use the keypad on the printer control panel to set the number.
- Duplex: Select One Side, Duplex (duplex flip left) or Tumble (duplex flip up).
- Color mode: Select Color or B/W (black-and-white)

7 Press Print to print the job.

Press Delete From PrintMe to permanently remove all documents associated with the Document ID from PrintMe.

Install the PrintMe printer driver

You can print to the PrintMe cloud service just as you would print to any desktop printer with the PrintMe printer driver.

Note: The PrintMe printer driver is supported on client Windows computers that operate in a non-proxy network environment.

Install the PrintMe printer driver on a Windows client

You can install the PrintMe printer driver on a Windows client.

1 Go to http://www.printme.com/home/index.html and click Downloads from the PrintMe toolbar.

2 Under Desktops and Laptops, click Download for Windows to download the PrintMe printer driver.

3 Click EFI PrintMe Driver.exe, click Run, and follow the on-screen instructions.

If prompted, restart the computer.

4 To verify that the driver is set up correctly, click the Start button on the taskbar in Windows and select Devices and Printers (or Printers and Faxes or Printers).

The EFI PrintMe printer should be listed. If it is not, reinstall the printer driver.

After the PrintMe printer driver is installed, you can print to the PrintMe cloud service from most Windows applications.

Note: To uninstall the PrintMe printer driver, open the Devices and Printers (or Printers and Faxes) folder or the Programs and Features tool in the Windows Control Panel and remove the EFI PrintMe Driver.

Print documents from Windows applications

You can print documents with the PrintMe printer driver.

1 In the Windows application, click File > Print.

2 Select EFI PrintMe from the printer pull-down menu.

3 Type your email address and click OK.

An email message containing the Document ID is sent to your email address.

Print with Fiery JDF

Fiery JDF allows submission of JDF jobs to a imagePRESS Server from applications that allow creation of JDF tickets. Use Configure to specify JDF settings and to view the Fiery JDF version, the JDF Device ID, and the JMF URL. For more information, see *Command WorkStation Help*.

1 From Configure, choose Job Submission > JDF Settings.

2 Select Enable JDF.

3 If a virtual printer is configured for the imagePRESS Server, select one from the Use Job Settings from Virtual Printer option.

   Note: Specify this option only if it applies to your specific workflow.

4 Specify a default print queue from Job Action.

5 Select Override JDF job with the above settings, if you want to override the settings specified in the JDF ticket.

6 Specify how you want the JDF jobs closed once they are printed.

7 Specify the items required for closing a JDF job. The items you select here must be filled out before the job can close automatically or manually.

8 Specify the network paths where the imagePRESS Server searches for common resources.

9 Click Save.

Web Services for Devices printing

Web Services for Devices (WSD) allows printing from Windows 7, Windows 8, and Windows 10 computers, and Windows 8-based tablets.

The WSD option on the imagePRESS Server must be turned on in Setup. After Setup is complete, you can install the WSD printer driver for the imagePRESS Server.

For information about configuring the settings in Setup on the imagePRESS Server, see *Configuration and Setup*.

Install the WSD printer driver

You can install the WSD printer driver on Windows 7, Windows 8, and Windows 10 computers, and Windows 8-based tablets.

1 Download the printer driver with WebTools.

   For instructions on downloading the printer driver with WebTools, see Download printer drivers with WebTools on page 11.

2 In the Fiery Driver Installer dialog box, select the printer driver language and click Next.

3 Click Next in the Welcome to the InstallShield Wizard for Fiery Driver Installer dialog box.

4 Read the license agreement, click I accept the terms of the license agreement and click Next.

5 Select Add a network, wireless or Bluetooth printer.

6 Select the printer from the list of available printers and proceed to step 10.

   Note: The WSD printer shows the imagePRESS Server with the printer in parentheses for the name of the printer.

   If the printer is not listed, proceed to step 7.

7 Click The printer that I want isn't listed.

8 Click Add a printer using TCP/IP address or host name and click Next.

9 Select Web Services Device for Device type, type the IP address of the imagePRESS Server, and click Next.

Connection to the printer is initiated and the printer driver is installed.

10 Click Next and follow the on-screen instructions.

Do not share the printer and do not print a Test Page at this time.

Print Options

Print Options describes the imagePRESS Server printer driver, available print options, and where to set print options to print your jobs successfully.

About the imagePRESS Server printer driver

Windows and Mac OS computers communicate with the imagePRESS Server by means of a printer driver and a PostScript Printer Description (PPD) file. A PPD file contains information about the features and capabilities of a particular printer (for example, what paper sizes and media types are supported) and the imagePRESS Server.

A printer driver manages printing communication between your application and the printer. It interprets the instructions generated by the application, merges those instructions with printer-specific options you set, and then translates all information into Adobe PostScript, a language the printer understands. In other words, the printer driver writes a PostScript file based on your original file and the options you set from the Print dialog box.

The imagePRESS Server receives files from computers on the network, processes the files, and then sends them to the printer.

For information about the specific print options for the imagePRESS Server, see Print options and default settings on page 73.

Set print options for the job

Print options give you access to the special features of your printer and the imagePRESS Server.

You can specify print options in these areas:

- Setup

  Some settings are specified during the initial imagePRESS Server configuration by the administrator. For information about the current default server settings, contact the administrator or operator.

- Applications

  With the printer drivers provided, you can specify job settings when you print a job.

- Color Setup

  You can set the default CMYK/Grayscale Source, CMYK/Grayscale Processing Method, RGB Source, Separate RGB/Lab to CMYK Source, Output Profile, RGB/Lab Rendering Intent, Spot Color Matching, Gray (CMYK), Gray (RGB), Black Text and Graphics, and Black Overprint settings. (See *Color Printing*.)

- Hot Folders

  You can assign a group of print options to a Hot Folder. When you specify print options for a Hot Folder, the print options are assigned to all jobs sent through that Hot Folder. These print options override any default options.

  For information, see *Hot Folders Help*.

- Overrides in Command WorkStation Job Properties

  To change job settings from Command WorkStation, double-click a job to display the Properties dialog box.

  For more information, see *Command WorkStation Help*.

Print option override hierarchy

Print option settings that were specified in the printer driver can be overridden in Command WorkStation Job Properties.

The override hierarchy is as follows:

- Settings from the user's printer driver override the imagePRESS Server Setup settings.
- Settings assigned to Hot Folders override the user's printer driver settings.
- Settings made from the job management tools (Command WorkStation Job Properties) override the user's printer driver settings.

Print options and default settings

You can use the printer driver interface to configure a particular print option to print a job. If you choose not to configure the print option, the imagePRESS Server prints the job with the default setting.

For options that the administrator configures, choosing Printer's default results in the imagePRESS Server printing the job with the factory default.

For options that cannot be configured in Setup, the imagePRESS Server prints the job with a preconfigured Printer's default setting. When you select the printer driver for North America, the default Document size is Letter or for International, the default Document size is A4.

To determine the current Setup defaults, print the Configuration page from Command WorkStation. (See *Configuration and Setup*.)

Note: A job uses the imagePRESS Server default settings (unless otherwise specified) at the time it is processed for printing, not at the time it is sent to the imagePRESS Server Hold queue.

The print options are organized according to the printer driver icons (tabs).

Job Info options

The Job Info tab shows all information about the job, including user information that may be required for user authentication and job handling.

Accounting: Enable job tracking

The Enable job tracking print option, when selected, turns on job tracking.

To display the job notes at print time for the job, select Allow entry of account information.

To use the last job account information for the print job, select Show last entered account information.

To save the last entered job account information in the job notes, select Use last entered account information.

This option is not available from Command WorkStation Job Properties.

Copies

The maximum number of copies is 9999.

The maximum number of jobs in the Printing queue and Archived list is 9999.

Note: Copies is grayed out and cannot be changed from the Printing Preferences dialog box when Full Properties is clicked in the Mac OS printer driver. You can specify the number of copies in the application or Mac OS Print dialog box.

Destination

The Destination print option allows you to specify the location to output the print job.

Select Printer to send your print job to the printer for printing.

Select Mail box to send your print job to a specified mailbox, which allows you to store image data that is scanned, or sent from your computer, to a mailbox on the hard disk of the printer.

Select Secured print to use the Secure Print feature, which allows you print confidential or sensitive files only when you are present at the printer.

Select Form store to superimpose output on a previously scanned image stored on the hard disk of the printer.

Destination: File name (for mail box/form store)

The File name (for mail box/form store) print option allows you to specify a file name for your job when you designate Mail Box or Form Store as the Destination. The file name is stored on the printer.

When specifying a file name, enter \\ to use a backward slash in the file name.

Note: This setting is effective only when you specify Mail Box or Form Store as the Destination.

Destination: Select mailbox

Select the mailbox to which you want to send a job. The mailbox is assigned on the printer control panel.

You can specify one or multiple mailbox numbers 0 through 99.

For information, see the documentation that accompanies your printer.

Destination: Schedule printing

Specify to perform advance print scheduling based on date and time. If you select the check box, then you can select the date and time for the print job.

The job is always printed at specified date and time regardless of the Print queue action selected, such as Print, Print and hold, Process and hold, Hold, or Print and delete.

The job is printed based on the date and time set on the imagePRESS Server, not the client computer.

If multiple jobs are selected and defined with the same date and time setting, job order is based on the alphabetical order of the file names.

Note: This option is invalid if your job is sent to the Direct connection.

Do not use job accounting for BW printing

The Do not use Job accounting for BW print option should be selected when you do not want job accounting for black-and-white print jobs or certain black-and-white pages.

Note: When this option is turned on, the setting has no effect unless the Color mode is set to Grayscale.

Job notes: Department ID

Type the appropriate Department ID for the print job assigned from the printer control panel.

This field has a 7-digit limit.

For more information, see the documentation that accompanies your printer.

Job notes: Department password

Type the appropriate Department password for the print job assigned from the printer control panel.

This field has a 7-digit limit.

For more information, see the documentation that accompanies your printer.

Job notes: Instructions

The Instructions print option allows you to specify instructions for the operator about the job.

This field accepts alphanumeric and special characters but does have a maximum limit.

Job notes: Notes

The Notes print option allows you to specify information about the job.

This field accepts alphanumeric and special characters but does have a maximum limit.

Note: If you enter < or = as the first character, the characters may not be printed in the Job Log, or the application in use may shut down.

Job notes: Print queue action

Select the job action associated with a published queue.

Select Print to send the file directly to printing.

Select Print and hold to save the raster file after printing.

Select Process and hold to process, but not print a job.

Select Hold to spool the job until the operator takes further action. Held jobs can exist in a preprocessed or processed state.

Select Print and delete to queue a job to be processed, printed, and then deleted. This action ensures that the printed job is not saved to the Printed list.

Note: This option is invalid if your job is sent to the Direct connection.

Job notes: Secured password

The Secured password option allows you to print sensitive or confidential documents only when you are present at the printer.

Type an arbitrary numeric password in the Secured password field, and then retype the password at the printer control panel to print.

This field has a 7-digit limit.

Print Range

The Print Range print option allows you to specify the page range or odd/even pages to print.

For variable data printing jobs, a range of Records is selected for printing. For imposed variable data printing jobs, a range of Records and Sheets is printed.

For imposed jobs, a range of Sheets is printed.

Note: If you print a page range within a duplex job and the specified range begins on an even-numbered page, the page range that is actually printed begins on the page before the specified range. The system automatically changes the page range to preserve the duplex job pagination.

This option is only accessible from Command WorkStation Job Properties.

Reporting: Control Bar

Control Bar allows you to add a static color bar and dynamic job information to each printed page at a user-defined location.

The available settings are:

- Off does not print a control bar for the job.
- Fiery is the default control bar that provides a color bar and dynamic job information for the job.

If you require your own control bar, you can create one by defining custom values on the Control Bar tab in the Color Setup tab of Command WorkStation.

This option is available as part of Fiery Graphic Arts Package, Premium Edition. For more information, see *Fiery Graphic Arts Package, Premium Edition*.

Printer's default reflects the setting specified in Color Setup in Command WorkStation.

Reporting: Progressives

Select the check box to turn on the Progressives feature, a diagnostic tool used to show toner separations.

This feature uses the Progressives values specified in Color Setup in Command WorkStation.

This option is available as part of Fiery Graphic Arts Package, Premium Edition. (See *Fiery Graphic Arts Package, Premium Edition*.)

The Progressives and Postflight features cannot be used at the same time.

Reporting: Postflight

The Postflight print option is a diagnostic tool that allows you to analyze how data is processed by the imagePRESS Server. You can choose to print an analytical report for a job.

This option is available as part of the Fiery Graphic Arts Package, Premium Edition. For more information, see *Fiery Graphic Arts Package, Premium Edition*.

The Progressives and Postflight features cannot be used at the same time.

User authentication: I'm a Guest

The I'm a Guest print option, when selected, allows guest printing.

Guest printing must be turned on at the imagePRESS Server.

In Command WorkStation, the management of jobs is determined by how you log on to the imagePRESS Server.

User authentication: Password

If user authentication is configured on the imagePRESS Server, specify your user Password to print a job. Type your local password or domain password for user authentication.

User authentication: User name

If user authentication is configured on the imagePRESS Server, specify your User name to print a job. Type your user name or domain\user name for user authentication.

User authentication: Use Windows Login

If you are logged on to your Windows computer, select Use Windows Login for user authentication. This option appears when you log on to your domain on your Windows computer.

For more information, see *Configuration and Setup*.

Media options

The Media tab shows attributes and sources of paper to print and insert.

Cover options: Back cover mode

The Back cover mode print option allows you to specify how to print a back cover at the end of your print job.

Select Front page print to print the back cover page on the front side of the last page.

Select Back page print to print the back cover page on the back side of the last page.

Select Both page print to print the back cover on both sides of the last page.

Select Blank page to print with a blank back cover.

Note: When creating a saddle stitch booklet, use the Booklet Maker cover option.

Cover options: Back cover source

The Back cover source print option allows you to specify the paper source for the back cover.

Cover options: Front cover mode

The Front cover mode print option allows you to specify how to print a front cover page at the beginning of your print job.

Select Front page print to print the front cover page on the front side of the first page.

Select Back page print to print the front cover page on the back side of the first page.

Select Both page print to print the front cover page on both sides of the first page.

Select Blank page to print with a blank front cover.

Note: When creating a saddle stitch booklet, use the Booklet Maker cover option.

Cover options: Front cover source

The Front cover source print option allows you to specify the paper source for the front cover.

Document size

The Document size print option is the page size defined in your application's Print setup (or Page setup) dialog box.

When printing one document page per sheet of paper, document size is usually the same as output paper size. However, document size may differ when printing booklets or imposing multiple document pages on a single sheet.

Document size may also differ from output paper size when you use the Scale or Scale to fit options, in which case the document page size is scaled at a given percent to fit a certain paper size.

To assign document size, do one of the following:

- Select the size from the available list.
- Click Custom to select a non-standard paper size.

Note: The Document size option is grayed out and cannot be changed from the Mac OS printer driver. You can specify the document size with the Paper size option from the Mac OS printer driver.

Maximize printable area

The Maximize printable area print option, when selected, allows an extension of the content beyond a trim mark.

It is used to ensure that the printed area extends to the very edge of a trimmed page.

Media type

Specify the media type for your print job.

For information about media types and paper specifications, see the documentation that accompanies the printer.

Output paper size

Output paper size defines the size of the sheet of paper on which your job prints. It is the size of the physical sheet of paper in the printer tray.

To assign paper size, do one of the following:

- Select the size from the available list.
- Click Custom to select a non-standard paper size.
- Select Same as document size to print one document page per sheet of paper.

Paper Catalog

The Paper Catalog print option provides access to the Paper Catalog utility, which retrieves all paper information from the printer.

For information about Paper Catalog, see *Utilities* and *Command WorkStation Help*.

Note: This option is invalid if your job is sent to the Direct connection.

Access to Paper Catalog requires Two-Way Communication. For information about selecting Two-Way Communication, see printer driver help.

Note: The feature for rotating envelopes 180 degrees when envelopes become creased, when loading into the Stack Bypass-B1, is not supported. This attribute is not supported by Paper Catalog.

Paper source

Specify the paper tray that contains the paper to use for your print job.

Auto tray select automatically uses the tray containing the paper size specified for the job. This setting also allows the printer to automatically switch between trays, if the current tray becomes empty, while continuing to print.

Note: Some trays are options and must first be installed. (See printer driver help.)

For information about setting your choice of media in one of the trays, see the documentation that accompanies your printer.

Tray alignment

The Tray alignment print option should be selected when you need to adjust the image on the page to achieve alignment on both sides of a page when printing duplex.

For more information, see *Command WorkStation Help*.

Slip sheets: Transparency interleaving

The Transparency interleaving print option is used to print multiple transparency sheets separated by blank, plain paper pages or printed pages.

Select Blank interleave to print multiple transparency sheets separated by blank, plain paper pages.

Select Printed interleave to print multiple transparency sheets separated by printed pages.

This option is supported with Letter or A4 size plain paper or transparencies only.

Mixed media

The Mixed media print option allows you to specify different media types, paper sizes, and paper source to use within a print job.

For more information, see printer driver help.

For information about accessing and using Mixed media, see *Command WorkStation Help*. Features specific to the imagePRESS Server are described in *Utilities*.

Use set page device media mapping

The Set Page Device (SPD) feature commands are instructions within PostScript and VPS files that specify certain attributes of a print job.

The Set Page Device option must be turned on in Configure. (See *Command WorkStation Help*.)

Select the Use set page device media mapping check box in Job Properties to allow the imagePRESS Server to recognize and apply certain attributes of a print job on a job-level basis, including:

- Paper attributes (for example, media type)
- Finishing attributes (for example, stapling or folding)
- Generic attributes (for example, simplex or duplex, number of copies)

This option is accessible only from Command WorkStation Job Properties.

Layout options

The Layout tab defines the imposition of the print job and the booklet process on the media/sheet, except for positioning that compensates for finishing options, for example, Tray alignment.

The printer driver has the following layout modes:

- Normal is used for printing standard documents, from 1 to 16 document pages per sheet. (See Normal layout options on page 81.)
- Gangup is used for speed printing imposition modes. (See Gangup layout options on page 83.)
- Booklet is used for printing documents in booklet layout. (See Booklet options in the printer driver and Job Properties on page 85.)
- Impose is used for imposition layouts for custom printing, binding, and trimming. (See Impose layout options on page 92.)

Normal layout options

Normal layout options are used for printing standard documents, from 1 to 16 document pages per sheet.

Normal

Select Normal to specify options for printing standard documents.

2-sided printing

Select 2-sided printing to print a job with duplex (2-sided) pages.

Select Off for single-sided printing.

Select Long edge binding for duplex (2-sided) printing with both sides, using the same long edge.

Select Short edge binding for duplex (2-sided) printing with both sides, using the same short edge.

Mirror

The Mirror print option, when selected, prints the mirror image of the job.

This option is not available from the Mac OS X printer driver and Command WorkStation Job Properties.

Orientation override

The Orientation Override print option is used with jobs that do not have an orientation or that have incorrect orientation.

It specifies the orientation to use for finishing settings (for example, stapling) that interact with orientation and for flowing pages on N-up layouts. In some cases, the orientation of a job may be correct in print, but incorrect in preview.

This option is accessible only from Command WorkStation Job Properties.

Orientation

Specify Portrait or Landscape page orientation for the document.

This option is not available from the Mac OS X printer driver and Command WorkStation Job Properties.

N-up option: Print border

Select to turn on Print border to print borders around each page in your print job.

N-up option: Pages per Sheet

Specify the number of document pages per sheet of paper for your print job.

This option cannot be used with the Create master or Use master options.

Note: This option is invalid if your job is sent to the Direct connection.

N-up option: Page Order

Specify the layout direction when the Pages per Sheet option is set to 2-up or greater.

Rotate 180

Select On to rotate the pages of a job 180 degrees.

Specify Large paper only or Small paper only if your print job contains different paper sizes (for example, Letter and 11 x 17).

Note: If the paper size is smaller or equal to A4 or Letter, it is regarded as small paper. If the paper size is larger or equal to Legal, it is regarded as large paper.

Scale to fit

The Scale to fit option allows you to specify whether to scale your job to fit to a paper size. When using the Scale to fit option, you cannot use the manual Scale option.

The Scale to fit option allows you to scale a job to a paper size different from the document size. When you turn on this option, the image is increased or reduced in size to fit the imageable area of the paper size you select

from the Paper size menu. The document size is scaled to the printable imageable area of the paper for edge-to-edge printing. When you turn off this option, the original document size is printed without any scaling, even if you select a larger paper size.

Scale to fit option	Document size - Letter	Output paper size - 11x17
Scale to fit turned on		
Scale to fit turned off		

Scale

Specify an increase or decrease in the scale of your print job. When using the manual Scale option, you cannot specify Scale to fit.

The operator can specify a scaling override in Command WorkStation, but the override is applied to any scaling value already set in the active job. For example, if a user sends a job with a scaling value of 50% and the operator specifies a Scale override of 300%, the job is printed at 150% of the original document size, that is, 50% of 300%.

Gangup layout options

Gangup layout options are used for speed printing imposition modes.

Note: The Gang-up feature is not valid if your job is sent to the Direct connection.

Gangup

Select Gangup to specify options for speed printing imposition modes.

Gang-up type

Gangup booklet has two types used for speed printing imposition: Step & repeat and Cut & stack.

Select Step & repeat to speed print a job by printing two document pages on each sheet. When the printed sheets are cut in half, the result is two complete sets of the same document.

Select Cut & stack to speed print a job by printing two document pages side by side. When the printed sheets are cut in half and stacked together, the result is one complete set of the document (in faster printing time).

For more information, see Gang-up printing on page 123.

Page Alignment: 2-sided printing

Select the duplex (2-sided) setting to specify the orientation of printed images for gang-up printing.

Select Off for single-sided printing.

Specify Long edge binding or Short edge binding for duplex (2-sided) printing by specifying the orientation of printed images.

For more information, see Print 2-sided (duplex) pages on page 127.

Page Alignment: Increase gutter by

Increase gutter by controls the amount of space between adjacent pages on a sheet to adjust for trimming or other finishing options.

You can specify the gutter value from -1.969 to 1.969 inch in 0.001 inch increments (-50.0 to 50.0 mm in 0.1 mm increments).

Specify a positive value to increase the amount of blank space between adjacent pages.

Specify a negative value to decrease the amount of blank space between adjacent pages.

For more information, see *Booklet Maker Help*.

Paper size

The Paper size print option defines the size of the sheet of paper on which your job prints. It is the size of the physical sheet of paper.

To assign paper size, select one of the following:

- Select the size from the available list.
- Choose Select From Paper Catalog to access a dynamic database on the imagePRESS Server that stores the media attributes of any paper available for printing.
- Select Custom Paper Size to select a non-standard paper size.
- Select Same as document size to print on a sheet of paper the same size as the original document page size.

For information about Document size and Paper size, see Document size and Paper size on page 121.

For information about printing custom page sizes, see Defining and printing custom page sizes on page 120

For information about accessing Paper Catalog, see *Utilities*. For information about using Paper Catalog, see *Command WorkStation Help*.

Paper Size: Shrink to fit

Automatically scales down or reduces the document page size to fit the imageable area of the selected paper size specified from the Paper size menu. Shrink to fit does not scale up or enlarge.

Select one of the following settings:

- Sheet size - shrinks the page contents to fit the sheet size.
- Off - prints the page contents at 100%.
- Imageable area - shrinks the page contents to fit the imageable area.

Booklet options in the printer driver and Job Properties

Booklet layout options are used for printing documents in booklet layout.

The Booklet Maker print options accessible from the printer driver. For the Booklet Maker print options accessible from Command WorkStation Job Properties, see Booklet Maker in the printer driver and Command WorkStation Job Properties on page 116.

Note: The Booklet Maker feature is not valid if your job is sent to the Direct connection.

You can use the Booklet Maker Wizard to specify booklet options by clicking Launch Wizard.

Booklet

Select Booklet to specify options for printing documents in Booklet layout.

Click Launch Wizard to specify how to arrange the pages of the job in special layouts for folding or cutting after printing.

Booklet Type

Booklet Type is a combination of binding method, which determines how the signatures of the booklet are folded and imposed, and binding edge, which determines the location of the spine of the booklet.

For information about 1-up Perfect binding booklets, see 1-up Perfect Binding Booklet options on page 88.

For information about Booklet printing, see *Booklet Maker Help*.

Cover: Back cover

When Front & Back Separately is selected for the Cover: Content input print option, use the Back cover option to define how the content of the back cover is printed.

Select Print on outside to print only on the outside of the back cover (the inside of the back cover is blank).

Select Print on inside to print only on the inside of the back cover (the outside of the back cover is blank).

Select Print on both sides to print on both the inside and outside of the back cover.

Select Do not print if you do not want any content printed on the back cover.

Select Print on any side to paginate the booklet by filling in the pages consecutively and adding a back cover page only if there is enough pages to do so, otherwise a blank page is added only at the end of the booklet. This option

allows the pagination for the back cover without having to change the back cover setting based on the number of pages in the job.

When you add a cover, blank pages may be inserted, depending on the allocation of pages to signatures in the job. For more information, see *Booklet Maker Help*.

Cover: Content input

The Content input print option provides cover type settings for your Saddle booklet.

Select Front & Back Separately to include cover content (individual pages in your document) as part of your booklet print job.

Select Pre-Printed (use insert) to insert a pre-printed cover that is added to the body pages from an inserter tray.

For more information, see *Booklet Maker Help*.

Cover: Define Cover (for Saddle books only)

Click Define Cover to specify the cover options.

Cover: Front cover

When Front & Back Separately is selected, use the Front cover option to define how the content of the front cover is printed.

Select Print on outside to print only on the outside of the front cover (the inside of the front cover is blank).

Select Print on inside to print only on the inside of the front cover (the outside of the front cover is blank).

Select Print on both sides to print on both the inside and outside of the front cover.

Select Do not print if you do not want any content printed on the front cover.

When you add a cover, blank pages may be inserted, depending on the allocation of pages to signatures. For more information, see *Booklet Maker Help*.

Page Alignment: Centering adjustment

Centering adjustment positions page content in relation to the center of one-half the paper size or the spine, the center of the sheet where the fold occurs.

At the center positions page content in the center of one-half the specified paper size.

At the spine aligns page content with the spine or center fold of your booklet.

For more information, see *Booklet Maker Help*.

Page Alignment: Compensate creep

Compensate creep adjusts the position of the page content to counteract the shift that occurs when sheets are folded and combined to create Saddle and Nested Saddle booklets.

Select Plain when printing Saddle or Nested Saddle booklets with a large number of pages.

Select Heavy when printing Saddle or Nested Saddle booklets on heavyweight paper.

For information about printing booklets, see *Booklet Maker Help*.

Page Alignment: Increase gutter by

Increase gutter by controls the amount of space between adjacent pages on a sheet to adjust for trimming or other finishing options.

You can specify the gutter value from -1.969 to 1.969 inch in 0.001 inch increments (-50.0 to 50.0 mm in 0.1 mm increments).

Specify a positive value to increase the amount of blank space between adjacent pages.

Specify a negative value to decrease the amount of blank space between adjacent pages.

For more information, see *Booklet Maker Help*.

Paper size: Paper Size for 2-up

The Paper Size for 2-up print option defines the size of the sheet of paper (unfolded) on which a booklet is printed. It is the size of the physical sheet of paper.

To assign a paper size for a booklet, select one of the following:

- Select the size from the available list.
- Choose Select From Paper Catalog to access a dynamic database on the imagePRESS Server that stores the media attributes of any paper available for printing.
- Select Custom Paper Size to select a non-standard paper size.
- Select Same as document size to print on a sheet of paper the same size as the original document page size.

For information about Document size and Paper size, see Document size and Paper size on page 121.

For information about printing custom page sizes, see Defining and printing custom page sizes on page 120

For information about accessing Paper Catalog, see *Utilities*. For information about using Paper Catalog, see *Command WorkStation Help*.

For more information about printing booklets, see *Booklet Maker Help*.

Paper Size: Shrink to fit

Automatically scales down or reduces the document page size to fit the imageable area of the selected paper size specified from the Paper size menu. Shrink to fit does not scale up or enlarge.

Select one of the following settings:

- Sheet size - shrinks the page contents to fit the sheet size.
- Off - prints the page contents at 100%.
- Imageable area - shrinks the page contents to fit the imageable area.

Subset Size: Number of sheets in a subset (saddle) (for Nested Saddle books only)

When Nested Saddle is selected for booklet type, use the Number of sheets in a subset (saddle) print option to specify the number of sheets in each subset.

1-up Perfect Binding Booklet options

The 1-up Perfect Binding Booklet layout options are used for printing documents in booklet layout where single body pages are stacked together, so that the edges may be trimmed (if desired) and glued, and then wrapped by a cover sheet.

1-up Perfect binding

To print a 1-up Perfect binding booklet, your printer must be equipped with an advanced finisher that supports Perfect binding.

Select a binding method for the 1-up Perfect booklet:

- Select Left Binding for a book that reads from left to right, with the spine (binding edge) at left.
- Select Right Binding for a book that reads from right to left, with the spine (binding edge) at right.
- Select Top Binding for a book that reads from top to bottom, with the spine (binding edge) at the top.

For more information, see *Booklet Maker Help*.

Body Paper Size

The Body Paper Size print option allows you to specify the paper size for the body pages of the booklet.

To select a Body Paper Size for your booklet, do one of the following:

- Select from the list of available sizes.
- Choose Select From Paper Catalog to access a dynamic database that stores the media attributes of any paper available for printing from the imagePRESS Server.
- Select Custom Paper Size to create a non-standard paper size, using the Custom Paper Size width (feed edge) and height dimensions.
- Select Same as document size to print one document page per sheet of paper.
- Select Edit to define media attributes for the body paper size.

For more information, see *Booklet Maker Help*.

For information about accessing Paper Catalog, see *Utilities*.

For information about using Paper Catalog, see *Command WorkStation Help*.

For information about document size and paper size, see Document size and Paper size on page 121.

Body Position: Booklet scaling

Specify how to scale the document pages in the 1-up Perfect booklet.

Select Shrink to body size to automatically scale down the document page to fit the paper size specified from the Body Paper Size menu.

Specify None when booklet scaling is not necessary.

Body Position: Centering adjustment

The Centering adjustment print option positions page content in relation to the center of one-half the paper size or the spine, the center of the sheet where the fold occurs.

At the spine aligns page content with the spine or center fold of your booklet.

At the center positions page content in the center of one-half the specified paper size.

You can fine-tune the alignment of the page content vertically (parallel to the spine) or horizontally (perpendicular to the spine) by specifying values.

For more information, see *Booklet Maker Help*.

Body Position: Custom adjustment horizontally or vertically

You can fine-tune the alignment of the body page content horizontally (perpendicular to the spine) or vertically (parallel to the spine).

You can specify the adjustment value in 0.001 inch increments (0.1 mm increments).

Specify a positive value to increase the amount of blank space between the body pages and the binding edge.

Specify a negative value to decrease the amount of blank space between the body pages and the binding edge.

Cover Content: Back cover

When Front & Back Separately is selected, use the Back cover option to define how the content of the back cover is printed.

Do one of the following:

- Select Print on outside to print the cover content only on the outside of the back cover (the inside of the back cover will be blank). This is the default setting.
- Select Print on inside to print the cover content only on the inside of the back cover (the outside of the back cover will be blank).
- Select Print on both sides to print on both the inside and outside of the back cover
- Select Do not print if you do not want any content printed on the back cover.

When you add a cover, blank pages may be inserted depending on the allocation of pages to signatures.

The back cover content pages must be specified as the second to last and last pages within the source document.

This option is available when the Content input option is Front & Back Separately.

For information about cover options, see *Booklet Maker Help*.

Cover Content: Content input

Specify the cover type for your booklet.

Select Front & Back Separately to include cover content (individual pages in your document) as part of your booklet print job. This is the default setting.

Select Front & Back Together to include cover content as part of the booklet in a custom document size larger than that of the body pages.

Select Pre-Printed to insert a pre-printed cover that will be merged with the body pages of your booklet, which print separately.

For information about cover options, see *Booklet Maker Help*.

Cover Content: Front cover

The Front cover options allow you to quickly decide whether your front cover prints duplex, single-sided, or both sides blank, without needing to add blank pages in your original document.

Do one of the following:

- Select Print on outside to print the cover content only on the outside of the front cover (the inside of the front cover will be blank). This is the default setting.
- Select Print on inside to print the cover content only on the inside of the front cover (the outside of the front cover will be blank).
- Select Print on both sides to print on both the inside and outside of the front cover.
- Select Do not print if you do not want any content printed on the front cover.

When you add a cover, blank pages may be inserted depending on the allocation of pages to signatures.

The front cover content pages must be specified as the first and second pages within the source document.

This option is available when the Content input option is Front & Back Separately.

For information about cover options, see *Booklet Maker Help*.

Cover Content: Spine content

Specify how to print content on the spine of your booklet.

Select None if you wish to not print on the spine of the booklet. This is the default setting.

Select Document page to print content on the spine of the booklet. Printing of the spine is achieved by using the last document page as the spine.

For top binding, the spine content is rotated 180 degrees to ensure the spine content is in the correct orientation for reading.

This option is available when the Content input option is Front & Back Separately.

Cover Content: Spine width

Specify the value for the spine width of the booklet. The spine width value is used to determine the trim amount, and cover paper size.

When the Content input option is Front & Back Separately, the spine width value is used to determine the distance between the front and back cover content.

When the Content input option is Front & Back Together or Pre-printed, the cover content has already been printed or included in the document source, therefore the spine width does not alter the cover layout.

Cover Position

Specify the placement of the cover content to be centered vertically and horizontally within the cover sheet.

You can specify the cover position value in 0.001 inch increments (0.1 mm increments).

Specify a positive value to increase the amount of blank space between the cover pages and the spine.

Specify a negative value to decrease the amount of blank space between the cover pages and spine.

Cover Paper Size

The Cover Paper Size print options allows you to specify the cover paper size for the booklet cover.

To select a Cover Paper Size for your booklet, do one of the following:

- Select from the list of available sizes.
- Select Select From Paper Catalog to access a dynamic database that stores the media attributes of any paper available for printing from the imagePRESS Server.
- Select Custom Paper Size to create a non-standard paper size, using the Custom Paper Size width (feed edge) and height dimensions.
- Select Edit to define media attributes for the cover paper size.

For more information, see *Booklet Maker Help*.

For information about accessing Paper Catalog, see *Utilities*.

For information about using Paper Catalog, see *Command WorkStation Help*.

For information about document size and paper size, see Document size and Paper size on page 121.

Mixed Media

The Mixed Media print option allows you to make selections that affect the pagination and the sheet layout for the print job.

When Mixed Media is used in Booklet Maker, it will be disabled in the Media tab, but selections made in Mixed Media in 1-up Perfect binding are displayed in the Media tab and in Compose.

In the Mixed Media area, specify the chapter start pages, define the page ranges and media, and new blank inserts and media.

Note: The Define Each chapter as a Separate Finishing Set print option is not available as it is in the Mixed Media area in the Media tab.

Implicit and explicit blanks are denoted by different thumbnails. Implicit blanks are inserted when the page is designated as a chapter start in a two-sided (duplex) job. Explicit blanks are those inserted by the user.

The Sheet tab presents the pagination of the job with the order of the sheet as the primary focus. The sheets are presented in linear order, which corresponds to the actual print order on the printer. The cover is always presented first, even if the cover may be printed as the last sheet.

The Page tab presents the pagination of the job with the order of the document page as the primary focus. The pages are presented in linear order, which corresponds to the logical reading order of the source document.

The Mixed Media option for 1-up Perfect binding is only accessible from Command WorkStation Job Properties.

Trim

Specify the trim capability of the perfect binder when you create a 1-up Perfect booklet.

Specify None if the booklet does not require trimming or the trimming will be done off-line. This is the default setting.

Specify Minimum trim if you do not need the final trimmed booklet to be a specific exact size.

Specify Calculate trim from finish size if you want to have the actual finish height and finish width trim values calculated automatically.

Specify Use specified values if you want specify the trim values to achieve the desired finished booklet size.

Trim: Face trim only

Select the check box to perform the Face trim only.

If you do not select this option, all three trims are engaged: Head, Foot, and Face.

If Use specified values for Trim is selected, then this option is turned on.

Trim: Finish height

Specify the finish size trim parallel to the spine (finish height).

Trim: Finish width

Specify the finish size trim perpendicular to the spine (finish width).

Trim: Trim angles

Specify the trim angle for the top, bottom, and fore binding edges.

Unit

Specify the units for the booklet.

Impose layout options

Fiery Impose provides several pre-defined imposition templates used for custom printing, binding, and trimming.

Impose is an option on the imagePRESS Server.

The Impose option is only accessible from Command WorkStation Job Properties.

For more information, see *Command WorkStation Help*.

Impose

Select Impose to specify an imposition layout for a job.

Templates

Specify an imposition layout template for a job.

The available templates are as follows:

- Normal: Default Template and 1-up full bleed
- Booklet: 2-up perfect, 2-up saddle, and 4-up head to head
- Gangup: 3-up trifold brochure, 4-up gate fold, and 4-up z fold

Edit Impose Template

You can edit the imposition template in Fiery Impose.

Click Edit Impose Template to open a template in Fiery Impose for editing.

For information about Impose, see *Utilities*. For information about using Impose, see *Command WorkStation Help*.

Color options

The Color tab shows color settings and additional features (when turned on).

Color mode

Select the color mode for the current print job.

Specify the color mode for the print job by doing one of the following:

- Select CMYK for a color document.
- Select Grayscale for a grayscale or black-and-white document.

Specify the color print options and settings by doing one of the following:

- Select Basic Settings to specify color print options and settings. For more information, see Basic color options on page 93.
- Select Expert Settings to edit other color print options and settings, including Black overprint and Black text and graphics. For more information, see Expert color options on page 96.

Basic color options

The basic color options can be accessed by clicking Basic Settings on the Color tab of the printer driver or Command WorkStation Job Properties.

Basic Settings are as follows:

- CMYK/Grayscale Source specifies the simulation profile for the print job.
- RGB Source specifies a source color space definition for printing RGB images, graphics, and text.
- Spot Color activates the PANTONE Lookup Table. The imagePRESS Server uses a built-in table to generate the closest CMYK matches of spot colors when the Spot color matching check box is selected.

- Gray and Black specifies the settings to use for the object types (Text/Graphics or Text/Graphics/Images) using black only.
- Output Profile uses selected profile for color conversion for the printer.
- Calibration shows the last date and time the calibration was updated for the printer.

2-color print mapping

The 2-color print mapping option can be used to replace spot colors and process colors to the generic colors.

Select the 2-color print mapping check box to replace spot colors and process colors with generic colors when you create a print job.

This option is available as part of Fiery Graphic Arts Package, Premium Edition. (See *Fiery Graphic Arts Package, Premium Edition*.)

Auto trapping

Trapping is a technique to print some objects slightly larger or smaller than specified in an application, in order to prevent white edges around the objects.

These white edges, or "halos," can be caused by factors such as misregistration, the physical properties of the inks, and the stiffness of the media. The Auto trapping feature provides you with advanced trapping settings and gives you full control over their values.

Select this option if the job should automatically reduce white gaps for text and graphics.

Turning on this option may result in graphics or text surrounded with borders.

For more information, see *Color Printing*.

Configurable auto trapping is available as part of Fiery Graphic Arts Package, Premium Edition. For more information, see *Fiery Graphic Arts Package, Premium Edition*.

Combine separations

You can print the color separations in the job as a single page or as four individual pages.

When printing separations from supported desktop publishing applications, do one of the following:

- Select the Combine separations check box to combine separations on a single page.
- Clear the check box to view separations as individual black-and-white pages, each representing one color plate.

For more information, see *Color Printing*.

Composite overprint

Design applications are typically set to knock out objects.

To overprint, you must first change the settings in the *source* application. When the Composite overprint option is turned on, the overprinting attribute specified in the source application takes place, provided the output is in composite mode (not printed in separations) and/or is printed with CMYK or Grayscale color mode. (See *Color Printing*).

Select this option to overprint objects that are specified in the source PostScript or PDF file.

ImageViewer Curves

The ImageViewer Curves print option lets you apply color curve edits from ImageViewer that have been saved on the server as a preset.

ImageViewer in Command WorkStation can be used to edit the CMYK curves of a job on the imagePRESS Server. These curve edits can be saved as a preset and applied to other jobs. Use the ImageViewer Curves option to select a preset for your job.

Factory-supplied curve edits apply some typical color corrections:

- Lighter highlights
- Midtone boost
- No correction
- Shadow detail
- Reduce C (cyan) cast
- Reduce M (magenta) cast
- Reduce Y (yellow) cast

After the job is processed, the edits become part of the job and are no longer visible as edits when you view the job in ImageViewer.

For more information, see *Color Printing*.

Substitute colors

Select Substitute colors to use the substitute color values defined in Spot-On.

For more information, see *Color Printing*.

Optimize RGB transparency

You can use the Optimize RGB transparency option to achieve correct color output for areas of overlapping transparent RGB or Lab colors (such as a drop shadow) in a PDF job.

Turn on to achieve correct color output for areas of overlapping transparent RGB or Lab colors (such as a drop shadow) in a PDF job.

If you turn on Optimize RGB Transparency, the imagePRESS Server uses the correct RGB source profile and rendering intent when converting the overlapping RGB colors to CMYK during the PDF-to-PostScript conversion. If you turn off Optimize RGB Transparency, the area of overlapping colors might print with incorrect color or undesirable artifacts.

When Adobe PDF Print Engine Preferred is turned on, this option is to recognize blending color spaces in the job, which can improve output for some blend modes when RGB blending color spaces are used.

This option is only accessible from Command WorkStation Job Properties, Hot Folders, and Virtual Printers. (See *Color Printing*).

Expert color options

The expert color options can be accessed by clicking Expert Settings on the Color tab of the printer driver or Command WorkStation Job Properties, and then clicking the Color Input tab in the Advanced Edit dialog box.

Expert Settings modes are as follows:

- Color Input is used for color printing. (See Color Input options on page 96).
- Gray & Black Processing is used to specify how to print black text and graphics in the print job. (See Gray & Black Processing options on page 98).
- Output is used to specify the output profile to use for printing a document. (See Output options on page 99).

Color Input options

The Color Input options can be accessed by clicking Expert Settings on the Color tab of the printer driver or Command WorkStationJob Properties, and then clicking the Color Input tab in the Advanced Edit dialog box.

Black point compensation

The Black point compensation option lets you control the output quality of shadow areas for CMYK source colors.

Use Black point compensation to enhance details in shadows when the CMYK source space is larger than the gamut of the printer. In proofing applications, when the CMYK source space is smaller than the gamut of the printer, do not use this option.

Note: For RGB source colors, black point compensation is always applied.

Black point compensation works by scaling the source colors so that the darkest point in the source profile maps to the darkest point in the output profile.

For more information, see *Color Printing*.

CMYK/Grayscale Processing method

Specify the CMYK/Grayscale Processing method for the print job.

Specify the simulation method for CMYK print jobs.

Do one of the following:

- 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 *Color Printing*.

CMYK/Grayscale Source

Specify the simulation profile for the print job.

For more information, see *Color Printing*.

Paper simulation

Select the Paper simulation check box to adjust the color according to the shade of the paper stock specified in the selected CMYK/Grayscale source profile.

This option is available as part of Fiery Graphic Arts Package, Premium Edition. For more information, see *Fiery Graphic Arts Package, Premium Edition*.

PDF/X output intent

Select the PDF/X output intent check box to use the embedded output intent for PDF/X compliant print jobs.

To use this option, you must turn on the Use Embedded Profile When Present (RGB) option.

This option is only accessible from Command WorkStation Job Properties. (See *Color Printing*)

RGB rendering intent

Specify a RGB rending intent for the print job.

Specify a default CRD (color rendering dictionary) for color conversion when printing RGB images, graphics, and text.

Do one of the following:

- Select Presentation to print files with artwork, graphics, and text. The result is similar to Photographic, with well-rendered in-gamut colors, such as flesh tones, and more saturated colors.
- Select Photographic to print photographs, including scanned and digital camera images. The result is less saturated than Presentation style.
- Select Relative Colorimetric when color matching is important, but you also want to print white as paper white. The white point transformation eliminates borders between blank spaces and white objects.
- Select Absolute Colorimetric when exact colors are required and visible borders are not distracting. There is no white point transformation.

Note: If you experience tone reproduction problems, set this option to Photographic.

For more information, see *Color Printing*.

RGB Source

Specify a source color space definition for printing RGB images, graphics, and text.

For more information, see *Color Printing*.

Separate RGB/Lab to CMYK source

Select the Separate RGB/Lab to CMYK source option for RGB jobs to simulate an output printer other than the printer to which you are printing.

For more information, see *Color Printing*.

Spot color matching

Clear the Spot color matching check box to print specified PANTONE colors in your job using the alternate color space and values for the spot color specified in the source application.

Select to activate the PANTONE Lookup Table. The imagePRESS Server uses a built-in table to generate the closest CMYK matches of spot colors. (See *Color Printing.)*

Use embedded profile when present (RGB)

When the Use embedded profile when present (RGB) option is turned on, the imagePRESS Server ignores the RGB Source option and uses the RGB profile embedded in the print job as the RGB source profile.

For more information, see *Color Printing*.

Use embedded profile when present (CMYK)

When the Use embedded profile when present (CMYK) option is turned on, the imagePRESS Server ignores the CMYK/Grayscale Source option and uses the CMYK profile embedded in the print job as the CMYK source profile.

For more information, see *Color Printing*.

Gray & Black Processing options

The Gray & Black Processing options can be accessed by clicking Expert Settings on the Color tab of the printer driver or Command WorkStation Job Properties, and then clicking the Gray & Black Processing tab in the Advanced Edit dialog box.

Black text and graphics

The Black text and graphics print option specifies how to print black text and graphics in the print job.

Do one of the following:

- Select Normal to print black text and graphics as a four-color black using C, M, Y, and K, and to use normal PostScript rendering.
- Select Pure Black On to print black text and graphics as a one-color black, using black only.
- Select Rich Black On to print black text and graphics as richer looking black, by layering a small amount of Cyan underneath the black to make the black even darker.

This option is automatically set to Pure Black On if the Black overprint (for pure black) option is set to Text or Text/Graphics. (See *Color Printing*.)

Black overprint (for pure black)

The Black overprint (for pure black) print option provides settings for text or text/graphics to overprint in the job.

Do one of the following:

- Select Off to use conventional processing by knocking out. May produce white halos around objects.
- Select Text to overprint black text.
- Select Text/Graphics to overprint black text and graphics.

For more information, see *Color Printing*.

Gray (RGB)

The Gray (RGB) print option provides settings to print an RGB job using black instead of process black.

This option renders the selected object types (Text/Graphics or Text/Graphics/Images) in grayscale using K-only black instead of CMYK black, when any RGB color has equal R, G, and B values. (Graphics refer to vector graphics; Images refer to raster images.)

This option is designed to use black efficiently, by using only black (rather than four-color process black). (See *Color Printing)*.

Gray (CMYK)

The Gray (CMYK) print option provides settings to print a CMYK job using black instead of process black.

This option renders the selected object types (Text/Graphics or Text/Graphics/Images) in grayscale using K-only black instead of CMYK black, when any CMYK color with C, M, and Y are 0 (zero), and K is any value is printed. (Graphics refer to vector graphics; Images refer to raster images.)

This option is designed to use black efficiently, by using only black (rather than four-color process black). (See *Color Printing)*.

Output options

The Output options can be accessed by clicking Expert Settings on the Color tab of the printer driver and Command WorkStation Job Properties, and then clicking the Output tab in the Advanced Edit dialog box.

Default output profile

The Default output profile print option specifies the output profile used to process a job. Color data in a print job is converted to the color space of the printer, which is described by the output profile.

The Use job defined settings setting automatically selects the output profile associated with the color mode and media type used in a print job rather than a specific output profile. If a job uses media from Paper Catalog, the output profile specified for the media in Paper Catalog is used.

For more information, see *Color Printing*.

Image options

The Image tab shows all image quality settings supported by the connected imagePRESS Server and printer.

For information about options specified in Setup, see *Configuration and Setup*.

Advanced smoothing

Specify to smooth the edges of text, curved line art, and ornamental characters.

Brightness

The Brightness print option allows you to specify the image brightness for the print job.

Select 85% lightest for a substantially lighter image, 115% darkest for a substantially darker image, or one of the settings in between.

Gradation smoothing

Specify to smooth the gradation.

Select Fine or Coarse to smooth the gradation if you see banding in your print job. Noise is added to your print job to reduce the rough, uneven edges of the gradation.

Coarse provides more gradation smoothing than Fine.

If you select Fine or Coarse, the gradation may appear jagged or rough.

Halftone simulation

The Halftone simulation print option allows you specify a halftone screening method for your print job.

Do one of the following:

- Select Off when you do not want halftone simulation applied. This will use the printer's native halftone.
- Select Application defined to use the screening set by the application.
- Select Newsprint if you want a look similar to that of a newspaper.
- Select User defined screen 1-3 to use the screening set by the imagePRESS Server. The User defined screen 1-3 settings reflect the setting specified in imagePRESS Server Setup.

This option is available as part of Fiery Graphic Arts Package, Premium Edition. (See *Fiery Graphic Arts Package, Premium Edition*.)

Note: When this option is turned on, unnecessary patterns or moiré patterns may occur. If this happens, from Command WorkStation, click Device Center > Color Setup, click Halftone Simulation, and change the Angle, Frequency (LPI), and Dot Shape settings. The problem may also be minimized by changing the Resolution print option.

Image compression optimization

Select to turn use image compression on the printer.

Image enhance: Apply image enhancement

The Apply image enhancement option, when selected, applies photo enhancement to the job.

The supported file formats are PDF, PS, TIFF, and EPS.

This option is not valid for images under 72 dpi. Also, it is not applied to pages with a large number of images.

For more information, see Image Enhance on page 125.

Image enhance: Image enhancement range

Specify all pages, specific page(s), or sheets of the document to apply photo finishing enhancement.

Image smoothing

Select the Image smoothing option to minimize grainy output when printing low-resolution (up to 300 dpi) images.

This option is valid for images less than or equal to 150 dpi when the Resolution option is set to 600 dpi, and for images less than or equal to 300 dpi when the Resolution option is set to 1200 dpi. This option improves graphic and image types of gradients.

Image quality

The Image quality print option allows you to specify the type of image quality for the job.

This option affects the fineness of images in the job; there is a trade-off with processing speed.

Choose one of the following for the print job:

- Normal - to print quality images.
- Best - to print the highest quality for text and images.

Printer's halftone

The Printer's halftone print option allows you to specify a halftone screening method.

Choose one of the following:

- Select Standard to use standard halftone screening.
- Select Resolution to use resolution-optimized halftone screening.
- Select Gradation to use gradation-optimized halftone screening.

- Select Error diffusion to use halftone screening optimized for text and thin lines.
- Patterns 1 through 7 provide different variations of halftone screening by applying different methods to text, graphics, and images.

  1 Text/Graphics - Error diffusion, Image - Resolution

  2 Text/Graphics - Error diffusion, Image - Gradation

  3 Text - Error diffusion, Graphics/Image - Resolution

  4 Text - Error diffusion, Graphics/Image - Gradation

  5 Text/Graphics - Resolution, Image - Gradation

  6 Text - Resolution, Graphics/Image - Gradation

  7 Text - Error diffusion, Graphics - Resolution, Image - Gradation

Borders between text, graphics, and images may be produced on printed pages even though they are barely visible on monitor screens. If this happens, select Gradation, Resolution, or Error diffusion.

Resolution

The Resolution print option allows you to specify the resolution of the print job (specified in dots-per-inch).

Note: Calibration is affected by the resolution setting. When you create a custom calibration setting, be sure the resolution setting is the same setting that is used in jobs that are printed with the calibration setting. For more information, see *Color Printing*.

Sharpness

Change the Sharpness setting to alter the results of a print.

Choose one of the following:

- Select -1, -2, or -3 to reduce the image clarity.
- Select Standard to use no sharpness.
- Select +1, +2, or +3 to increase the clarity of the printed image.

The comparative degree interprets the level of the clarity.

Text width adjustment

The Text width adjustment print option, when selected, turns on text width adjustment for the print job.

Toner reduction

Specify toner reduction for the print job.

Select On to reduce all CMYK output values by a printer-specified percentage.

This option is designed to protect the printer's fuser. It is typically used for thin paper (for example, 64-74 gsm) printed with heavy toner coverage, which may jam the printer fuser.

This option is only accessible from Command WorkStation Job Properties.

Toner reduction mode

Specify toner reduction for the print job.

Select Normal to reduce all CMYK output values by a printer-specified percentage.

Select Prioritize gradation or Prioritize resolution to place the emphasis on the image gradation or resolution.

This option is designed to protect the printer's fuser. It is typically used for thin paper (for example, 64-74 gsm) printed with heavy toner coverage, which may jam the printer fuser.

Toner saving

The Toner saving print option allows you to save toner. When the option is set to On, the entire image is lightened.

This mode is typically used for printing draft documents.

Use maximum printer density

The Use maximum printer density option is designed to create solid, saturated colors. It is typically used to print text and graphics, not photographic images.

Select this option to print 100% C, M, Y (or R, G, B) at the maximum density that the printer is capable of printing, regardless of calibration. C, M, Y (or R, G, B) values less than 100% still print at the calibrated density value.

For best results printing CMYK color, set CMYK/Grayscale Source to Bypass Conversion. For best results printing RGB color, make sure the Use Embedded Profile When Present (RGB) option is selected.

Finishing options

The Finishing tab shows print options related only to finishing equipment on the printer, and also image shifting to compensate for finishing options.

These options override settings in imagePRESS Server Printer Setup but can be changed from Command WorkStation.

Cover page: Cover page

The Cover page print option, when selected, prints a cover page with detailed job information after the last sheet of the job.

When Cover page is enabled on the imagePRESS Server, it is turned on for all jobs. By default, Cover page prints on the same media as the body of the job. For information about options specified in Configure, see *Configuration and Setup*.

Cover page: Media

The Media print option allows you to specify the media selection for the Cover page.

The Cover page media can be configured using one of the following settings:

- Same as job – uses the same media as the body of the job
- Custom – allows you to select specific media.

Note: Changes to the Cover page settings in Job Properties will override the Cover page setting in Configure for the specific job.

Crease

The Crease print option allows you to select a crease style for the job. The selected crease style determines the type of crease made in each sheet for easy manual folding. The Crease feature can be used for saddle stitch booklet jobs.

Select Off to not use a crease style for the job.

Select All to have a crease on every page in the job.

Select First sheet to have a crease on the first sheet only.

Select Last sheet to have a crease on the last sheet only.

Select First and last sheet to have a crease on the first and last sheet only.

Delivery Option: Number of copies for offset

Set the number of copies that you want to offset (shifted in the output tray).

Delivery Option: Number of copies for stack tray

The Number of copies for stack tray print option allows you to specify the number of copies to send to the stack tray.

Delivery Option: Output delivery

The Output delivery print option allows you to specify the output delivery for the printed job.

Do one of the following for single-side printing:

- Select Face down - normal order to print your document on the bottom of the sheet of paper (the document outputs from the printer with the text facing down) and the output stack starts from the top in normal (1-N) order if the face down pile is put upside down.
- Select Face up - normal order to print your document on the top of the sheet of paper and the output stack starts from the top in normal (1-N) order.
- Select Face down - reverse order to print your document on the bottom of the sheet of paper (the document outputs from the printer with the text facing down) and the output stack starts from the top in reverse (N-1) order if the face down pile is put upside down.

- Select Face up - reverse order to print your document on the top of the sheet of paper and the output stack starts from the top in reverse (N-1) order.
- Select Use device setting to print your document with the output settings specified at the printer.

Do one of the following for 2-sided (duplex) printing:

- Select Face down - normal order to print your document, for example 4 pages, with page 1/first page printed on the first sheet face down and page 2 printed on the back, and page 3 printed on the second sheet face down and page 4/last page on the back. The output stack starts from the top in normal (1-N) order if the face down pile is put upside down.
- Select Face up - normal order to print your document, for example 4 pages, with page 3 printed on the first sheet face up and page 4/last page on the back, and page 1/first page printed on the second sheet face up and page 2 on the back. The output stack starts from the top in normal (1-N) order.
- Select Face down - reverse order to print your document, for example 4 pages, with page 3 printed on the first sheet face down and page 4/last page on the back, and page 1/first page printed on the second sheet face down and page 2 on the back. The output stack starts from the top in reverse (N-1) order if the face down pile is put upside down.
- Select Face up - reverse order to print your document, for example 4 pages, with page 1/first page printed on the first sheet face up and page 2 printed on the back, and page 3 printed on the second sheet face up and page 4/last page on the back. The output stack starts from the top in reverse (N-1) order.

For more information, see Output delivery on page 125.

Delivery Option: Paper output

Specify the output tray for the job.

Delivery Option: Sorter mode

Specify how to output multiple-page/multiple-copy jobs.

Sorting and collating is supported on the printer with a finisher attached.

- Collate: Copies of a complete job are collated and output in the same direction, arranged in this page order: 1-2-3, 1-2-3, 1-2-3.
- Group: Copies of a complete job are output in the same direction, arranged in this page order: 1-1-1, 2-2-2, 3-3-3.
- Collate without shift: Copies of a complete job are collated and output in the same direction, arranged in this page order: 1-2-3, 1-2-3, 1-2-3. This option does not include offset stacking.
- Group without shift: Copies of a complete job are output in the same direction, arranged in this page order: 1-1-1, 2-2-2, 3-3-3. This option does not include offset stacking.
- Cross-collate: Each copy of a complete job is collated and output perpendicular to the next copy, arranged in this page order: 1-2-3, 1-2-3, 1-2-3.
- Cross-group: Each copy of a complete job is collated and output perpendicular to the next copy, arranged in this page order: 1-1-1, 2-2-2, 3-3-3.

Delivery Option: Stack tray ejection

Specify Stack tray ejection only if you use the High Capacity Stacker.

Specify to eject the stack tray automatically before starting a print job and/or after printing a job. Specify Not eject if you do not want the stack tray to automatically eject.

Specify Before printing to eject the stack tray automatically before starting a print job.

Specify After printing to eject the stack tray automatically after printing a job. If you specify After printing when you print a VDP job, the stack tray is ejected per record.

Specify Before and after printing to eject the stack tray automatically before starting a print job and after printing a job. You cannot use Before and after printing in either of the following cases:

- Output is one sheet for a job.
- Output is one sheet for a one record VDP job.

Specify Use device setting to eject the stack tray after printing a job per the setting on the printer.

Fold: Fold order

The Fold order print option allows you to specify whether the pages of your folded job print with the imageable area on the inside or outside of the folded sheet.

For more information, see Fold style options on page 122.

Fold: Fold style

The Fold style print option allows you to specify a fold style for the print job.

For more information, see Fold style options on page 122.

Gutter

Specify the width to add to the binding edge page margin, where 1=1 mm or 1=0.1 inch.

Image shift

The Image shift print option check box, when selected, adjusts an image for duplex printing by shifting the image horizontally, in the direction of paper travel, relative to the leading edge.

This option affects the offsetting of the image for the entire job, not on a per-page-basis. However, you can specify alignment settings for the front (odd) and back (even) pages.

Image Shift settings are not available from inside Mixed Media.

Image Shift is not supported for Booklet Maker and Gang-up printing.

For more information, see printer driver help.

Mixed paper sizes

The Mixed paper sizes print option allows you to select a mixed paper size setting from the available list for your job.

The Letter/11x17, A4/A3, or B5/B4 choice is turned on only when one of the paper sizes, LTR,11x17, A3, A4, B5 or B4, is selected for the Paper size print option. The Letter/Legal choice is turned on only when LTR or Legal is selected for the Paper size print option.

There are two patterns when printing mixed paper sizes, pattern1 and pattern2. Pattern1 prints with the title (top content) aligned to the right and any finishing options on the top or right edge, whereas Pattern2 prints with the title (top content) aligned to the left and finishing options on the top or left edge.

Pad Printing: Enable pad printing

Select the Enable pad printing check box to print pads.

Pad is a collection of a single or multiple page job with multiple copies.

For more information, see Pad printing on page 126.

Pad Printing: Add pad back cover

Select the Add pad back cover check box to add a back cover at the end of the pad.

Pad Printing: Back cover paper source

Specify the paper source tray to use for the pad back cover.

Pad Printing: Job copies per pad

Specify the number of pad copies to print.

Pad Printing: Offset pads

Select the Offset pads check box to offset (shift in output tray) the pads.

Perfect binding: Body image placement vertical

You can fine tune the alignment of the body image placement vertically (parallel to the spine) by specifying a value, where 1=0.1 mm.

Specify a positive value to increase the amount of blank space between the body image and the binding edge.

Specify a negative value to decrease the amount of blank space between the body image and the binding edge.

Perfect binding: Cover image placement horizontal

You can fine tune the alignment of the cover image placement horizontally (perpendicular to the spine) by specifying a value, where 1=0.1 mm.

Specify a positive value to increase the amount of blank space between the cover image and the binding edge.

Specify a negative value to decrease the amount of blank space between the cover image and the binding edge.

Perfect binding: Cover image placement vertical

You can fine tune the alignment of the cover image placement vertically (parallel to the spine) by specifying a value, where 1=0.1 mm.

Specify a positive value to increase the amount of blank space between the cover image and the binding edge.

Specify a negative value to decrease the amount of blank space between the cover image and the binding edge.

Perfect binding: Trimming location vertical

You can fine tune the trimming location vertically (parallel to the spine) by specifying a value, where 1=0.1 mm.

Specify a positive value to increase the amount of blank space between the trim marking and the binding edge.

Specify a negative value to decrease the amount of blank space between the trim marking and the binding edge.

Punch: Hole punch location

Specify the location of punched holes.

To use this option, you must install a finisher with hole punching functionality.

For information about installing finishers and other installable options, see printer driver Help

Punch: Number of holes

Specify the number of holes to punch for your job.

If a punch finisher is not installed, this option is set to Off.

Note: Punch positions vary according to paper size, paper type, number of pages, feed direction, and original orientation.

For information about installing finishers and other installable options, see printer driver Help

Special function: Saddle pressing

The Saddle pressing print option is used to press a stitched Saddle Booklet.

Select On if you want the inflated spine of your stitched Saddle Booklet to be pressed.

Note: This option requires a 5-sheet minimum. This option is available when a finisher for saddle booklets is installed.

Special function: Saddle press adjustment

Use this option to adjust the pressing strength by choosing to press the spine hard or softly using one of the 20 levels.

Specify a positive value to press the spine softly or specify a negative value to press the spine hard.

This option is available when the Saddle press option is turned on and when a finisher for saddle booklets is installed.

Stapler mode

The Stapler mode print option allows you to specify the number of staples and their positions.

Staple positions vary according to paper size, paper type, number of pages, and feed direction.

To use this option, you must install a finisher with stapling functionality.

Note: Single stapling and double stapling are supported with Letter, A4, B4, A3, B5, 11x17, Legal, Executive, Tab paper (A4), Tab paper (Letter), and custom page sizes.

Note: A Saddle Stitch booklet job (number of pages depends on finisher) is stitched down the center of the page with two staples.

Note: Saddle Stitch is supported with B4, A3, A4, Letter, Legal, SRA3, 11x17, 12x18, and 13x19 page sizes.

Trim: Finishing custom length

Specify a custom finished length (in millimeters or inches) for the final document size.

Trim: Finishing custom width

Specify a custom finished width (in millimeters or inches) for the final document size.

Trim: Finishing size for trimming

The Finishing size for trimming print option allows you to specify the finished document size for the trimmed job.

The following paper sizes are available: Letter, Statement, Executive, A4, A5, B5, and Custom.

Note: The default is Letter for North America and A4 for International.

Trim: Trimming fore (1=0.1mm)

The Trimming for (1=0.1mm) print option allows you to specify the margin width to add to the fore-edge of the booklet or the non-binding edge, where 1=0.1 mm.

Trim: Trimming mode

Specify the trimming method for a Saddle or Nested Saddle booklet.

Choose one of the following:

- Select 1-way trim to trim the right edge of the booklet.
- Select 1-way trim (finishing size) to trim the right edge of the booklet based on the specified Body Paper Size (not the Cover Paper Size of the 1-up Perfect booklet)

- Select 3-way trim to trim the top, right, and bottom edges of the booklet.
- Select 3-way trim (finishing size) to trim the top, right, and bottom edges of the booklet based on the specified Body Paper Size (not the Cover Paper Size of 1-up Perfect booklet).

Trim: Trimming top/bottom

Specify the trim value for either the top or bottom-edge of the booklet, where 1=0.1 mm.

Use set page device output bin tray mapping

Select to turn on Use set page device output bin tray mapping to allow the imagePRESS Server to map the Output tray on a job-level basis.

The Set Page Device (SPD) feature must be turned on in Configure. (See *Command WorkStation Help*.)

This option is only accessible from Command WorkStation Job Properties.

Variable Data Printing (VDP) options

The VDP tab shows all Variable Data Printing (VDP) settings, such as FreeForm and advanced VDP settings.

The imagePRESS Server is compatible with the following variable data printing languages:

- FreeForm and FreeForm 2
- Portable Document Format/Variable Transactional (PDF/VT)
- Personalized Print Markup Language (PPML)
- Creo Variable Print Specification (VPS)

For more information about VDP languages, see *Variable Data Printing*.

VDP documents using FreeForm must have the following settings for the master document and variable document match:

- Color mode
- Combine separations
- 2-sided printing
- Orientation
- Document size
- Stapler mode
- Sorter mode

The following setting for the variable document overrides the corresponding settings in the master document:

- Back cover mode
- Booklet
- Destination
- Front cover mode

- Output paper size
- Paper source

Note: For FreeForm variable data printing (VDP) jobs, if the color mode in FreeForm variable data is CMYK and the FreeForm master Grayscale, then they are mismatched. When you print the job, it is not automatically canceled and an error messages is not displayed. The job prints but may have unexpected results.

Cache PDF and PS objects

The Cache PDF and PS objects print option, when selected, recognizes objects (text, images, vectors) within a PostScript or PDF file. PDF objects must be tagged as XObjects and PS objects must be in PS form to be cached, which reduces the need to re-process image data for faster printing.

This option is only accessible from Command WorkStation Job Properties.

For more information, see *Variable Data Printing*.

Create master

To create a FreeForm master from this job, specify a number to assign to the FreeForm master file.

Command WorkStation allows you to select up to 100 FreeForm masters.

For more information, see *Variable Data Printing*.

Enable enhanced FreeForm

Select to turn on Enable enhanced FreeForm to allow the mapping of select pages from the FreeForm master file in the desired order and merge with the variable file when the job is processed.

You cannot apply FreeForm settings to an imposed job.

For more information, see *Variable Data Printing*.

File search path

Some PPML and other types of jobs do not contain all of the variable data job resources in a single file. In these cases, on a job per job basis, specify the location of the variable data job external resources so that the imagePRESS Server can access them.

For more information, see *Variable Data Printing*.

Preview Master

Click Preview Master to generate a low-resolution image of your master page.

This option is not available for the Mac OS X v10.7 or later printer drivers.

Print master

The Print Master print option, when selected, allows you to verify or confirm your Master page.

Select Printer's default to use the setting specified in imagePRESS Server Setup.

For more information, see *Variable Data Printing*.

Remove white PPT background

Select to turn on Remove white PPT background when using Microsoft Office PowerPoint to create variable data in conjunction with FreeForm.

This option removes the white background from PowerPoint files.

Use master

For variable data print jobs, specify a FreeForm master number to be used for the job.

Command WorkStation allows you to select up to 100 FreeForm masters.

For more information, see *Variable Data Printing*.

Define record length: Define record length

Process a PDF or PostScript file like a variable data print job, and apply record-based finishing.

This option is used in connection with the Pages Per Record option.

For more information, see *Variable Data Printing*.

Define record length: Pages per record

Define record-based (rather than job-based) finishing, based on the number entered.

This option is used with the Define Record Length option.

For more information, see *Variable Data Printing*.

Stamping (Watermark) options

The Stamping tab shows all image stamping options that add or hide/remove any image on the job.

This also includes watermark properties that define the placement and style of the watermark. For information, see printer driver help.

Copy numbering start

Specify a starting copy number for serially numbering multiple copies of a document.

The Copy set numbering option must be set to On.

Copy set numbering

Select On to print a copy number as a watermark on each page of each copy.

To set the first copy number, use the Copy numbering start option.

Note: When you print a Nested Saddle booklet with the Copy set numbering print option specified, each saddle gets numbered serially in a single document.

Watermark

The Watermark print option allows you to select standard text for your watermark from the pull-down menu.

To create your own watermark, click New.

To modify a standard watermark, select it from the pull-down menu and click Edit.

To remove a watermark from the list, select it from the pull-down menu and click Delete.

For more information about using watermarks, see printer driver help.

Note: For Windows, do not select these fonts: AdobeSansMM and AdobeSerifMM.

Print Watermarks: First Page Only

The First Page Only print option check box, when selected, to specify how to print the watermark for the print job.

Select to turn on First Page Only to print a watermark only on the first page.

For more information about using watermarks, see printer driver help.

Override print option settings in Job Properties

Print option settings that were specified in the printer driver can be overridden in Command WorkStation Job Properties.

1. In Command WorkStation, right-click a held job in the Job Center view.
2. Select Properties.
3. Specify the print option settings, and then click Print.

Exceptions to overriding print option settings in Job Properties

You can override most print options in the printer driver and Command WorkStation Job Properties.

The exceptions are listed in the table.

Printer driver tab	Option	Driver Win	Driver Mac	CWS
Job Info	Print Range			X
	Print queue action	X	X	

Printer driver tab	Option	Driver Win	Driver Mac	CWS
	Secured password	X	X	
	User authentication: User name	X	X	
	User authentication: Password	X	X	
	User authentication: Use Windows Login	X		
	User authentication: I'm a Guest	X		
Media	Document size	X		
	Use set page device media mapping			X
Layout: Normal	Mirror	X		
	Orientation	X		
	Orientation override			X
Color	Optimize RGB transparency			X
Color: Expert Settings	PDF/X output intent			X
Image	Toner reduction			X
Finishing	Use set page device output bin tray mapping			X
Variable Data Printing (VDP)	Cache PDF and PS objects			X
Stamping (Watermark)	Watermarks	X	X	
	Print Watermarks: First Page Only	X	X	
All Tabs	Adobe PDF Print Engine Preferred			X

Booklet Maker layouts in the printer driver and Command WorkStation Job Properties

Booklet Maker is the imposition tool that allows you to quickly print documents in booklet format, without the need for more involved page imposition programs.

Booklet Maker provides advanced settings, while streamlining the booklet-making process by displaying only the options and controls relevant to your selections. Booklet Maker is capable of imposing jobs from nearly any application.

Access Booklet Maker in the printer driver when you print a job, or in Command WorkStation Job Properties.

Note: Mixed Media jobs and variable data printing jobs are not supported by Booklet Maker.

The following booklet layouts are available:

- Saddle binding: Signatures are folded together as a group, and then stapled or stitched along the center fold, which forms the spine of the booklet.

1 *Saddle (left) binding*

2 *Saddle (right) binding*

3 *Saddle (top) binding*

- Nested Saddle binding: Combines saddle and perfect binding methods by stacking two or more saddles (also called “groups” or “subsets”) together along the common fold, then gluing them together at the fold to form the spine.

1 *Nested Saddle (left) binding*

2 *Nested Saddle (right) binding*

3 *Nested Saddle (top) binding*

- Perfect binding: Separate, folded pages are printed and stacked in booklet order. Finished pages are stitched adjacent to one another for trimming or gluing.

1 *Perfect booklet*

2 *Front (2, 3, 6, 7) and Back (4, 1, 8, 5)*

For more information, see *Booklet Maker Help*.

For more information, see Booklet options in the printer driver and Job Properties on page 85.

Booklet Maker in the printer driver and Command WorkStation Job Properties

You can access Booklet Maker in the printer driver and Command WorkStation Job Properties when you print a job. You can work with Booklet Maker as follows:

- Using the Booklet Maker wizard

  Recommended for first-time or novice users.
- Specifying settings in the main Booklet Maker dialog box

  Recommended for experienced or advanced users.

For more information, see Booklet options in the printer driver and Job Properties on page 85.

Access Booklet Maker from the Windows printer driver

1. In your application, select File > Print.
2. Select the imagePRESS Server as your printer and click Properties.
3. In the printer driver, click the Layout icon and select the Booklet option.

   For more information, see *Booklet Maker Help*.

Access Booklet Maker from the Mac OS X printer driver

1. In your application, select File > Print.
2. Select the imagePRESS Server as your printer, and select Fiery Features from the drop-down list.
3. Click Full Properties in the Quick Access pane.
4. In the printer driver, click the Layout icon and select the Booklet option.

   For more information, see *Booklet Maker Help*.

Access Booklet Maker from Command WorkStation

1. Double-click your print job in the Held or Printed list, or right-click the job and select Properties.
2. Click the Layout icon in the Job Properties window.
3. Select the Booklet option.
4. Specify the Booklet Maker settings or click Launch Wizard to specify the settings graphically.

   For more information, see *Command WorkStation Help*.

About Booklet Maker imposition

Imposition is the process of printing multiple pages on single sheets of paper.

When imposed sheets are folded together as signatures, the pages follow in sequential, or reading, order. Booklet Maker is designed for 2-up imposition, which imposes four individual pages from your document on a single sheet that is printed duplex.

The Canon imagePRESS C850/C750/C650/C65 is equipped with an advanced finisher, that also allows 1-up Perfect binding. (See 1-up Perfect Binding Booklet options on page 88.)

The order in which pages are imposed is determined by the binding method that you select.

Booklet Maker and Impose

Booklet Maker settings are supported by Impose, if turned on.

You can open a job with Booklet Maker settings in Impose to preview the imposition layout or further modify the imposition layout, if necessary.

Impose translates and maps all Booklet Maker settings to Impose commands.

Note: When a job with Booklet Maker settings has been edited in the Impose window, the job can no longer be edited in Booklet Maker. Impose offers more settings that cannot be mapped to Booklet Maker settings.

For more information about Impose, see *Utilities*.

Create a booklet with the booklet options in the printer driver or Job Properties

Booklet Maker dynamically displays all of the controls applicable to creating a booklet in the main Booklet Maker window.

1. Select a Booklet Type: Saddle, Nested Saddle, or Perfect.

   If your printer supports 1-up Perfect booklets, select 1-up Perfect for the Booklet Type. For more information, see Booklet Maker: 1-up Perfect binding printing on page 120.

2. Select a binding edge: Left, Top, or Right.
3. Specify a Paper size.
4. Select Shrink to fit, if required.
5. Specify Page alignment.
6. Specify Creep compensation, if required.

   Creep compensation is available for saddle and nested saddle booklets.

7. Specify cover settings, if you selected a saddle booklet.

   Note: Cover settings are only available for saddle booklets. (See Adding a cover to a Saddle booklet on page 118).

8. Click OK to save your settings, Cancel to cancel the job, or Print to print your job.

Create a booklet with the Booklet Maker wizard

In the Booklet Maker wizard, accessed by clicking Launch Wizard, the windows display the steps in the booklet-making process.

1 Click Launch Wizard.

2 Specify the Booklet Type (binding method) and binding edge.

3 If Saddle was selected for Booklet Type, specify cover and content settings, and then click Next.

4 Specify paper size and media settings, and then click Next.

   If Saddle was selected for Booklet Type, specify the paper settings for the cover, and then click Next.

   If Nested Saddle was selected for Booklet Type, specify number of sheets in a subset.

5 Specify layout settings, and then click Next.

   If Saddle or Nested Saddle was selected for Booklet Type, specify creep compensation.

6 View the settings summary.

7 Click Finish to save your booklet, Back to change any settings, or Cancel to cancel the job.

Adding a cover to a Saddle booklet

You can add covers (optional) for Saddle booklets only with the Booklet Maker wizard.

Add a pre-printed cover to a Saddle booklet

1 In the main Booklet Maker window, select Saddle for Booklet Type and a binding edge.

2 Specify the required settings for Paper Size and Page Alignment for the body of the booklet.

3 Select Pre-Printed from the Cover Content input menu.

4 Click Define Cover and specify the cover media settings.

5 Click OK.

Add an inline cover to a Saddle booklet

1 In the main Booklet Maker window, select Saddle for Booklet Type and a binding edge.

2 Specify the required settings for Paper Size and Page Alignment for the body of the booklet.

3 Select Front & Back Separately from the Cover Content input menu.

4 Specify the Front cover and Back cover settings.

5 Click Define Cover and specify the cover media settings.

6 Click OK.

Note: When you print an inline cover with top-edge binding, the outside back cover automatically rotates 180 degrees to match the orientation of the front cover.

Booklet Maker cover options for Saddle booklets

For Saddle only, Booklet Maker includes two cover options: pre-printed or inline, for which you can specify media.

You can specify additional options for an inline cover by specifying the following cover options:

- Content input: Select from Front & Back Separately or Pre-Printed.
- Front & Back Separately: Select this option to specify an inline cover that prints the cover pages and body pages as a single job. Separate pages from your document are imposed on a single sheet that forms the cover pages of your booklet.

  You can specify an inline cover when your original document includes the cover pages and/or cover artwork for your booklet. The cover content may be the first and last pages of your document, or the first two and last two pages of your document, or any combination.

  If you select this option, you can specify the Front cover and Back cover options.
- Pre-Printed: Select this option to insert a pre-printed cover that will be merged with the body pages of your booklet, which print separately.

  If you select this option, the Front cover and Back cover options are disabled.
- Front cover and Back cover: These options allow you to quickly decide whether your front and back covers print duplex, single-sided, or both sides blank, without needing to add blank pages in your original document.

  With top-edge binding that includes a cover, the outside of the back cover automatically rotates 180 degrees to match the orientation of the front cover.
- Define Cover: This option allows you to select cover media settings for your cover pages, which may be trimmed. This option is available for both pre-printed and inline covers.

Printing Booklet Maker jobs

Booklet Maker does not support jobs sent to the Direct connection. Booklet Maker print jobs must be sent to the Print queue or Hold queue.

Set measurement units in Command WorkStation

You can change the default unit of measurement for all input fields in the Command WorkStation Preferences dialog box.

Units specifies the units of measurement used to display attributes, such as page sizes and custom sizes, that you enter in the Job Properties dialog box. This setting does not affect predefined page-size values.

1 In Command WorkStation, select Edit > Preferences.

2 Click Regional Settings.

3 Select the unit of measurement (millimeters, points, or inches).

4 Click OK.

The changes are not effective until Command WorkStation is restarted.

Booklet Maker: 1-up Perfect binding printing

The 1-up Perfect binding method prints single body pages that are stacked together, so that the edges may be trimmed (if desired) and glued, and then wrapped by a cover sheet.

You can access the 1-up Perfect binding method from the printer driver or Command WorkStation Job Properties.

Note: If the printer is equipped with an advanced finisher, such as a Perfect binder, the option of 1-up Perfect binding may be available.

Note: Do not print anything on the inner side of the cover sheet (the area glued to the book block). Doing so can prevent the cover sheet and book block from adhering properly.

To print a 1-up Perfect booklet, you must select 1-up Perfect as the booklet type.

For more information, see 1-up Perfect Binding Booklet options on page 88.

Defining and printing custom page sizes

With custom page sizes, you define the dimensions of a printed page. After you define a custom page size, you can use it from within an application without redefining it each time you print.

When you create custom page sizes, specify width dimensions to correspond with the shorter side of your job and specify height dimensions to correspond with the longer side of your job. Set custom page sizes in this way, regardless of the orientation settings in the application.

1 *Portrait orientation*

2 *Landscape orientation*

3 *Height*

4 *Width*

Note: Custom page sizes are not supported with Imposition jobs.

A custom paper size cannot be specified as the paper size of an imposed sheet. However, a job created using a custom paper size can be imposed on blank paper. In this case, the minimum paper size is 25 mm each for width and height, respectively.

When you use custom page size, define the custom page size measurements as follows:

- Maximum paper size: 13.00 inches x 30.00 inches (330.20 mm x 762 mm)
- Minimum paper size: 3.94 inches x 5.82 inches (100 mm x 148 mm)
- Margin: 0.1 inches (2.5 mm) for far/near edges, and 0.16 inches (4.00 mm) for leading/trailing edges

  Note: The job that has a long paper size at 1200 dpi would be cancelled.

For information about defining and printing custom page sizes, see printer driver help.

Document size and Paper size

Document size is the page size defined in your application's Print setup (or Page setup) dialog box.

Paper size is the size of the actual sheet of paper on which your job is printed. It may be useful to think of Document size as digital *input* (the page size defined in your original document) and Paper size as the physical *output* (the actual size of the paper in the printer tray).

In cases when you print one document page per sheet of paper, Document size is usually the same as the Paper size. However, Document size may differ from Paper size when you print booklets or impose multiple document pages on a single sheet.

The illustrations show examples of possible relationships between Document size and Paper size. Note that the orientation of all pages shown is landscape.

Description	Document size (input)	Paper size (output)
Document size is the same as Paper size. Scaling is 100%.	Letter	Letter
Tabloid Document size scaled to fit on Letter Paper size. Scaling is 50%.	Tabloid 11x17	Letter
A4 Document size scaled to fit on A3 Paper size. Scaling is 141%.	A4	A3

Document size may also differ from Paper size when using the Scale or Scale to fit options. The Scale option reduces or enlarges the document page at a specified percent. The Scale to fit option automatically reduces or enlarges the document image to fit the selected paper size.

For information about Document size and Paper size in booklet printing, see *Booklet Maker Help*.

For more information, see Scale on page 83.

For more information, see Scale to fit on page 82.

Fold style options

The Fold style specifies how the folded job is printed.

You can specify whether the pages of your folded job print with the imageable area on the inside or outside of the folded sheet.

Fold style	Fold illustration
Z-fold and Z-fold (large sizes only) **Note:** The Z-fold (large size only) mode applies the fold only to the large paper size. This option should be selected when you want to print a mixed media job in which A3, B4, 11x17, and Legal are included.	
Accordion Z	

Fold style	Fold illustration
C-fold	
Double parallel fold	
Half fold	
Saddle fold	

A finisher capable of folding must be installed on the printer to use the Fold style option.

Note: When you select a folding option, Output delivery is automatically set to the correct setting. It is not possible to print folded jobs face up or in reverse order. The Fold order option allows you to specify whether text/images print on the inside or outside of the folded sheet.

Fold style	Paper sizes
Z-fold	A3, B4, 11x17, Legal, A4R, Letter-R
Accordion Z	A4R, Letter-R
C-fold	A4R, Letter-R
Double parallel fold	A4R, Letter-R, Legal
Half fold	A4R, Letter-R
Saddle fold	A3, B4, 11x17, Legal, A4R, Letter-R, SRA3, 12x18, 13x19

For information about finishers and other installable options, see printer driver help.

Gang-up printing

Gangup layout options are used for speed printing imposition modes.

The imagePRESS Server includes two speed-printing options for gang-up printing:

- Step & repeat - Select this option to speed print a job so that the first page of your document is printed twice on the first sheet. The next sheet duplicates the data on the second page, the next sheet duplicates the data on the third page, and so on. When the printed sheets are cut in half, the result is two complete sets of the same document.

1 *Single-sided, front only*

2 *Duplex (double-sided), front (1, 3) and back (2, 4)*

- Cut & stack - Select this option to speed print a job so that when the sheets are stacked and cut from the central position, the job is numbered in order and separated as two stacks. The print order is such that when the sheets are cut in half, you can combine them to form a single complete set of the document, in faster printing time.

1 *Single-sided, front only*

2 *Duplex (double-sided), front (1, 3, 5, 7) and back (2, 4, 6, 8)*

For more information, see Gangup layout options on page 83.

Access Gang-up print from the Windows printer driver

1 In your application, select File > Print.

2 Select the imagePRESS Server as your printer and click Properties.

3 In the printer driver, click the Layout icon and select the Gangup option.

Access Gang-up print from the Mac OS X printer driver

1 In your application, select File > Print.

2 Select the imagePRESS Server as your printer and select Fiery Features from the drop-down list.

3 Click Full Properties in the Quick Access pane.

4 In the printer driver, click the Layout icon and select the Gangup option.

Image Enhance

The Image Enhance feature lets you apply photo finishing enhancement to color images on specified pages or sheets of a job. This feature affects only photographic images, not graphics such as logos or charts.

To turn on this feature, select the Apply image enhancement check box for a job and specify the pages or sheets to be affected. This option is located in the Image tab of the printer drivers and Command WorkStation Job Properties. You can customize Image Enhance settings from Command WorkStation.

For more information, see *Command WorkStation Help*.

Output delivery

Output delivery allows you to specify how the stack of copies is delivered in the output tray.

Do one of the following for single-side printing:

- Select Face up for sheets delivered into the output tray with copies facing up, with normal order for the first page on the top of the stack, or reverse order for the first page on the bottom of the stack.
- Select Face down for sheets delivered into the output tray with copies facing down, with normal order for the first page on the bottom of the stack, or reverse order for the first page on the top of the stack.

1 *Face up - normal order*

2 *Face up - reverse order*

3 *Face down - normal order*

4 *Face down - reverse order*

Do one of the following for 2-sided (duplex) printing:

- Select Face up for 2-sided sheets delivered into the output tray with copies facing up, with normal order for side 1 of the first sheet on the top of the stack, or reverse order for side 2 of the first sheet on the bottom of the stack.
- Select Face down for 2-sided sheets delivered into the output tray with copies facing down, with normal order for side 2 of the last sheet on the top of the stack, or reverse order for side 1 of the last sheet on the bottom of the stack.

1 *Face up - normal order*

2 *Face up - reverse order*

3 *Face down - normal order*

4 *Face down - reverse order*

Note: When using a finisher that reverses the order of the stack, you can specify normal order so that when the stack is fed through the finisher, the pages are delivered in the correct order.

Pad printing

Pad printing gives you control over printing multiple copies of a job without having to perform unnecessary mental calculations or requiring multiple steps every time.

With the Pad printing print options on the Finishing tab of the printer driver or Command WorkStation Job Properties, you can specify pad-printing parameters. You can define the contents of each pad, including the number of times the job repeats within a pad.

It duplicates a single job as many times as defined in the Pad printing settings to create one finished or merged pad. You can add a back cover.

Pad printing also allows you to simply assemble printed pads with a back cover, similar to sticky notes. When cover has been turned on for pad printing, the page size and orientation of the cover media should be the same as the main job.

You can use the Job copies per pad print option to specify the number of pads in the job. Pad copy packs are offset in the output tray for easy separation for offline binding.

An example of a job printed with the Pad printing settings.

1 *Each sheet of each pad is printed duplex (double-sided) and repeated 25 times.*

2 *A back cover is added.*

Print 2-sided (duplex) pages

1 In your application, do one of the following:

- On Mac OS X computers: Select File > Print, select the imagePRESS Server as your printer, select Fiery Features from the drop-down list, click Full Properties in the Quick Access pane, and then select Normal on the Layout tab.
- On Windows computers: Select File > Print, select the imagePRESS Server as your printer, click Properties, and then click the Layout icon.

2 Select one of the 2-sided printing settings:

- Long edge binding: For portrait jobs, prints the top of the image on side 1 on the same edge of the page as the top of the image on side 2; for landscape jobs, prints the top of the image on side 1 on the opposite edge of the page from the top of the image on side 2.
- Short edge binding: For portrait jobs, prints the top of the image on side 1 on the opposite edge of the page from the top of the image on side 2; for landscape jobs, prints the top of the image on side 1 on the same edge of the page as the top of the image on side 2.

Orientation	Long Edge Binding	Short Edge Binding
Portrait		
Landscape		

3 Print the job.

Punch position and hole punching

You can specify the number of holes to punch and the location of the punched holes.

A finisher capable of punching must be installed on the printer.

Note: Punch positions vary according to paper size, paper type, number of pages, feed direction, and original orientation.

Punch setting	Portrait: Left	Portrait: Right	Portrait: Top	Landscape: Left	Landscape: Right	Landscape: Top
2 holes						
3 holes						
4 holes						

Punch setting	Portrait: Left	Portrait: Right	Portrait: Top	Landscape: Left	Landscape: Right	Landscape: Top
Multi holes			Supported on Multi Function Professional Puncher only	Supported on Multi Function Professional Puncher only	Supported on Multi Function Professional Puncher only	

Note: Multi holes can only be set on the long-side of the sheet of A4/Letter with Professional Puncher.

The default setting depends on the type of optional punch kit installed.

Punch unit type	Default number of holes	Supported Paper size
2 holes	Two holes	A3, B4, A4, B5, 11x17, Legal, Letter, Executive, and Tab paper (A4/Letter)
2 holes (2/4 type)	Two holes	A3, B4, A4, B5, 11x17, Legal, Letter, Executive, and Tab paper (A4/Letter)
2 holes (2/3 type)	Three holes	A3, B4, A4, B5, 11x17, Legal, Letter, Executive, and Tab paper (A4/Letter)
3 holes (2/3 type)	Three holes	A3, B4, A4, B5, 11x17, Letter, Executive, and Tab paper (A4/Letter)
4 holes	Four holes	A3, B4, A4, B5, 11x17, Legal, Letter, Executive, and Tab paper (A4/Letter)
4 holes (2/4 type)	Four holes	A3, B4, A4, B5, 11x17, Letter, Executive, and Tab paper (A4/Letter)
Multi holes	Multi holes	A3, A4, 11x17, Legal, Letter, SRA3, 12x18, and Tab paper (A4/Letter) with Multi Function Professional Puncher A4, Letter with Professional Puncher

For information about finishers and other installable options, see printer driver help.

User Authentication

If Users and Groups user authentication is configured in imagePRESS Server Setup, you must enter a valid user name and password to send a print job to the imagePRESS Server.

In Command WorkStation, the management of jobs is determined by how you log on to the imagePRESS Server.

The print options associated with Users and Groups user authentication are as follows:

- On Mac OS X computers: Select the Job Info icon and type logon information in the User name and Password fields.
- On Windows computers: Set the following:
  - Use Windows Login - Select this option if you are already logged on to a Windows computer. Otherwise, type your Windows network logon information in the User name and Password fields.
  - Validate - Click to validate user authorization and to confirm printing privileges. To validate, Two-Way Communication must be turned on. For information on establishing Two-Way Communication, see printer driver help.
  - I'm a guest - Select this option to activate guest printing privileges. By default, guest printing is turned on.

For information about turning on Users and Groups user authentication in Configure, see *Configuration and Setup* and *Command WorkStation Help*.