



Kyocera® Printing System 17 Powered by Fiery®

Printing

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# Introduction

Printing describes how to install the printer drivers on Windows and Mac computers for the Kyocera® Printing System 17 Powered by Fiery®.

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 computers
- Setting up Mac computers for printing
- Printing from Mac computers
- Kyocera® Printing System 17 Powered by Fiery® print options
- Using printing methods other than the printer driver to print to the Kyocera® Printing System 17 Powered by Fiery®



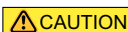
For information about setting up network servers and client computers to use the Kyocera® Printing System 17 Powered by Fiery®, see *Configuration and Setup*. For general information about using the printer, your computer, application software, or network, see the documentation that accompanies those 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 Kyocera® Printing System 17 Powered by Fiery®, printer, and supported operating systems.

| Term or convention  | Refers to   |
|---------------------|---|
| Aero                | PS-17 (in illustrations and examples)   |
| Command WorkStation | Fiery Command WorkStation   |
| Printer             | TASKalfa 7054ci/6054ci/5054ci/4054ci  |
| PS-17               | Kyocera® Printing System 17 Powered by Fiery®   |
| macOS               | All supported Mac operating systems. For a complete list, see System Requirements in <i>Configuration and Setup</i> . |

| Term or convention  | Refers to   |
|---|---|
| Windows   | All supported Windows operating systems. For a complete list, see System Requirements in <i>Configuration and Setup</i> .   |
|  | A danger 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. |
|  | A warning concerning operations that may lead to injury to persons if not performed correctly. To use the equipment safely, always pay attention to these cautions.         |
|  | Operational requirements and restrictions. Be sure to read these items carefully to operate the equipment correctly, and to avoid damage to the equipment or property.      |

The following documentation resources are available for the Kyocera® Printing System 17 Powered by Fiery®.

| Resource                      | Description  |
|-------------------------------|--|
| User documentation            | Documents in this set: <i>Color Printing, Configuration and Setup, Fiery Automation Package, Fiery ColorRight Package, Printing, Utilities</i>   |
| Online help                   | <ul style="list-style-type: none"> <li>Help can be accessed directly from each Fiery application or by going to <a href="http://help.efi.com">help.efi.com</a>.</li> <li>Each help system is available as a printable PDF, accessed from the PDF icon in the upper right corner of the Help window.</li> </ul>   |
| Additional reference material | <ul style="list-style-type: none"> <li><i>Fiery Color Reference</i> - <a href="http://help.efi.com/ref/colorref/en-us/">help.efi.com/ref/colorref/en-us/</a></li> <li><i>Variable Data Printing</i> - <a href="http://help.efi.com/ref/vdp/en-us/">help.efi.com/ref/vdp/en-us/</a></li> <li><i>Workflow Examples</i> - <a href="http://help.efi.com/ref/workflows/en-us/">help.efi.com/ref/workflows/en-us/</a></li> <li><i>Configure Help</i> - <a href="http://help.efi.com/configure/3.2.85/en-us/">help.efi.com/configure/3.2.85/en-us/</a></li> </ul> |

## User software for printing

You need to install user software to set up basic printing on the PS-17.

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

| User software                                  | Description  |
|--|--|
| Printer drivers (for Windows and macOS)        | Provides information about the PS-17 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 <a href="#">Uninstall printer drivers from Windows client computers</a> on page 16.) |
| Fiery Software Uninstaller Utility (for macOS) | Uninstalls the Mac printer and associated printer driver files. (See <a href="#">Uninstall printer driver from a Mac computer</a> on page 29.)                       |

# Windows for PS-17

The PS-17 can be set up as a printer on a Windows computer by installing the printer driver for your printer and setting up the PS-17 for printing.

Printer drivers provide a way to communicate information about print jobs between your applications, the PS-17, and the printer.

## Installing Windows printer drivers

Installing the printer driver is the first step to set up the PS-17 as a printer.

You must be the administrator or a user with Administrator privileges to install printer drivers. The User Account Control (UAC) feature is available on computers with the Windows operating systems supported by the PS-17. For information about supported operating systems, see *Configuration and Setup*.

**Note:** If the PS-17 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 16.)

## 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 PS-17 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).

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 PS-17 configuration in the printer driver. (See [Configure installable options on Windows client computers](#) on page 21.)

Before you begin, ask your administrator to do the following in Setup on the PS-17:

- Assign the PS-17 a valid IP address.  
The IP address or DNS name is required in the following procedure.
- Configure the PS-17 for SMB printing.

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

For more information, see *Configure Help* or *Fiery Command WorkStation Help*.

## Set up SMB printing on Windows computers for the PS-17

Install the PS-17 printer driver with SMB printing on Windows computers.

- 1 To navigate to computers and devices on your network, do one of the following:
  - Windows Server 2019: From the desktop, click the Windows logo (Start button) in the lower-left corner of the screen. Expand the Windows System folder and click Control Panel. Select Category in the View by drop-down list and then click Hardware and Sound > Devices and Printers.
  - Windows 10/Server 2016: From the desktop, click the Windows logo (Start button) in the lower-left corner of the screen. Expand the Windows System folder and click Control Panel. Select Category in the View by drop-down list and then click Hardware and Sound > 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 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.

If you cannot locate the PS-17, contact your administrator.

- 2 From the Start screen, type **Run** in the Search field.
- 3 In the Run window, type **\\IP address** where the IP address is for the PS-17 in the Open field, and click OK.  
The printer connections are displayed in Network\IP address.

**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).  
The files are installed on your computer.

**Note:** You may receive a message that you are about to connect to a printer on the PS-17, 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 folder.
- 6 Right-click the PS-17 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 PS-17, 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 PS-17.
- 2 Expand Software Downloads.
- 3 Click the Printer Drivers link under the Windows tab.
- 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 PS-17. This compressed file is an archive that contains multiple files.

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

The extracted files will be in C:\Prntdrv folder.

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

**Note:** You must be the administrator or a user with Administrator privileges to install printer drivers. The User Account Control (UAC) feature is available on computers with the Windows operating systems supported by the PS-17. 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. See [Install and complete the print connection for Windows](#) on page 11.

## Install and complete the print connection for Windows

You need to install the printer driver and then complete the setup for the print connection.

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 the following:
  - 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 Server 2019: Click The printer that I want isn't listed.
  - Windows 10/Server 2016: Click The printer that I want isn't listed.
  - Windows 8.1/Server 2012 R2: Click The printer that I want isn't listed.
  - Windows Server 2012: Click The printer that I want isn't listed.
- 6 To add a local printer on the network, do one of the following:
  - Windows Server 2019: Select Add a local printer or network printer with manual settings.
  - Windows 10/Server 2016: Select Add a local printer or network printer with manual settings.
  - Windows 8.1/Server 2012 R2: Select Add a local printer or network printer with manual settings.
  - Windows Server 2012: Select Add a local printer or network printer with manual settings.
  - Windows 7/Server 2008 R2: 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.
- 8 Do one of the following:
  - Windows Server 2019: Type the host name or IP address of the PS-17. Select the Query the printer and automatically select the driver to use check box, and then click Next.
  - Windows 10/Server 2016: Type the host name or IP address of the PS-17. Select the Query the printer and automatically select the driver to use check box, and then click Next.
  - Windows 8.1/Server 2012 R2: Type the host name or IP address of the PS-17. Select the Query the printer and automatically select the driver to use check box, and then click Next.
  - Windows Server 2012: Type the host name or IP address of the PS-17. Select the Query the printer and automatically select the driver to use check box, and then click Next.
  - Windows 7/Server 2008 R2: Type the host name or IP address of the PS-17, and then click Next.
- 9 In the Printers box, select your printer and click Next.
 

**Note:** Select the printer driver without "EU" for North America (the default document size is Letter) or with "EU" for International (the default document size is A4).
- 10 Type a name for the PS-17 in the Printer name field, and click Next.
 

This name is used in the Devices and Printers folder and the queues window.
- 11 Follow the on-screen instructions.
 

Do not share the printer. Indicate whether you want to make it the default 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 21.

- 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 17.
- 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 PS-17 Properties dialog box, and then click OK.

## Install and connect to a virtual printer

A virtual printer allows you to print to the PS-17 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 PS-17 using Point and Print.

For more information about setting up virtual printers, see *Fiery 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 a Windows computer

You need to install the printer driver and then complete the installation and setup of the virtual printer on the Windows computer.

- 1** To navigate to computers and devices on your network, do one of the following:
  - Windows Server 2019: From the desktop, click the Windows logo (Start button) in the lower-left corner of the screen. Expand the Windows System folder and click Control Panel. Select Category in the View by drop-down list and then click Hardware and Sound > Devices and Printers.
  - Windows 10/Server 2016: From the desktop, click the Windows logo (Start button) in the lower-left corner of the screen. Expand the Windows System folder and click Control Panel. Select Category in the View by drop-down list and then click Hardware and Sound > 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 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.

- 2 Search for the PS-17 on the network using either its name or IP address.  
If you cannot locate the PS-17, contact your administrator.
- 3 Double-click the PS-17 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.
- 4 In the Fiery Driver Installer dialog box, select the printer driver language and click Next.  
The Fiery Driver Installer installation wizard appears.
- 5 Click Next in the Welcome to the InstallShield Wizard for Fiery Driver Installer screen.
- 6 Read the license agreement, click I accept the terms of the license agreement and then click Next.
- 7 For these Windows operating systems, do the following:
  - Windows Server 2019: Click The printer that I want isn't listed.
  - Windows 10/Server 2016: Click The printer that I want isn't listed.
  - Windows 8.1/Server 2012 R2: Click The printer that I want isn't listed.
  - Windows Server 2012: Click The printer that I want isn't listed.
- 8 To add a local printer on the network, do one of the following:
  - Windows Server 2019: Select Add a local printer or network printer with manual setting.
  - Windows 10/Server 2016: Select Add a local printer or network printer with manual setting.
  - Windows 8.1/Server 2012 R2: Select Add a local printer or network printer with manual setting.
  - Windows Server 2012: Select Add a local printer or network printer with manual setting.
  - Windows 7/Server 2008 R2: Select Add a local printer.
- 9 Select Create a new port, select Standard TCP/IP Port from the Type of port menu, and then click Next.
- 10 In the Port Name dialog box, type the name of the virtual printer for the printing connection, and click OK.
- 11 In the Printers box, select your printer and click Next.  
  
**Note:** Select the printer driver without "EU" for North America (the default Document size is Letter) or with "EU" for International (the default Document size is A4).
- 12 Type a name for the virtual printer in the Printer name field, and click Next.  
This name is used in the Printers window and the queues window.

**13** Follow the on-screen instructions.

Do not share the printer. Indicate whether you want to make the virtual printer the default 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 virtual printer is displayed in the Devices and 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.

**Note:** 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.

## 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:** You must be the administrator or a user with Administrator privileges to add or change the installable options after the printer driver is installed. The User Account Control (UAC) feature is available on computers with the Windows OS supported by PS-17. (See [Configure installable options on Windows client computers](#) on page 21.) For information about supported operating systems, see *Configuration and Setup*.

**1** Navigate to the devices and printers on your network.

- **Windows Server 2019:** From the desktop, click the Windows logo (Start button) in the lower-left corner of the screen. Expand the Windows System folder and click Control Panel. Select Category in the View by drop-down list and then click Hardware and Sound > Devices and Printers.
- **Windows 10/Server 2016:** From the desktop, click the Windows logo (Start button) in the lower-left corner of the screen. Expand the Windows System folder and click Control Panel. Select Category in the View by drop-down list and then click Hardware and Sound > 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 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.

The printers are displayed in the Devices and Printers folder.

**2** Right-click the PS-17 icon and choose Printer properties.**3** Click the Installable Options tab.**4** Select the Two-Way Communication check box.**5** Type the PS-17 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 PS-17 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 PS-17 before you use the software.

- 1 Install the Fiery Printer Delete Utility using WebTools.
  - Download Printer Drivers for Windows from WebTools.
 

Start your Internet or intranet browser and type the DNS name or IP address of the PS-17. Expand Software Downloads. Click the Printer Drivers link under the Windows tab and follow the on-screen instructions to install.
- 2 Navigate to the local folder (C:\Prntdrv) where the printer driver files were downloaded and double-click the Fiery Printer Delete Utility folder. Double-click setup.exe and follow the on-screen instructions to install the utility.
- 3 Click Start, select Programs or All Programs, and then select Fiery.
- 4 Select Printer Delete Utility.
 

Any PS-17 printer drivers found on your computer are listed.

**Note:** All printer drivers installed on your computer are listed.
- 5 In the Printer Delete Utility dialog box, 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 PS-17 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 PS-17 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 PS-17 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 PS-17 to accept print jobs using Standard TCP/IP Port (Raw or LPR) protocols.
- Turn on LPD or Port 9100 on the PS-17.
- Configure the computer for the TCP/IP connection.

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

Before you complete the following procedure, contact your administrator for the IP address assigned to the PS-17.

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 folder.

- 2 Right-click the PS-17 icon and choose Printer properties or Properties.

- 3 In the Ports tab, click Add Port.

To change the port settings, proceed to step 9.

- 4 In the Printer Ports dialog box, specify the port type in one of the following ways:

- Click Standard TCP/IP Port in the Available port types list, and then click New Port.
- Double-click Standard TCP/IP Port in the Available port types list.

- 5 In the Add Standard TCP/IP Printer Port Wizard dialog box, click Next.

- 6 Type the PS-17 IP address in the Printer name or IP Address text field.

- 7 Click Next.

- 8 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 9.

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 11.

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

- 10 In the Configure Standard TCP/IP Port Monitor dialog box, set up the port settings, in one of the following ways:

- To use LPR printing, select LPR in the Protocol area, and then select 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 PS-17.

To specify a specific port number, see step 11.

- 11 Type the name of the print connection.

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

- PS-17 default: **9100**
- direct: **9101**
- print: **9102**
- hold: **9103**

**Note:** Type the number *exactly* as shown.

**12** When the SNMP Status Enabled check box is selected, spooling is stopped if the printer driver or spooler detects an error status on the PS-17.

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

**Note:** The PS-17 supports printing in the IPv6 environment on Windows operating systems. For information about supported operating systems, see *Configuration and Setup*.

**14** Click Apply in the PS-17 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 PS-17 over the Internet from Windows computers.

Before you begin, perform the following tasks:

- Make sure that the PS-17 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 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 Server 2019: If the printer search takes a long time, click The printer that I want isn't listed.
- Windows 10/Server 2016: If the printer search takes a long time, click The printer that I want isn't listed.
- Windows 8.1/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 Server 2012: If the printer search takes a long time, click Stop, and then click The printer that I want isn't listed.
- Windows 7/Server 2008 R2: If the printer search takes a long time, click Stop, and then click The printer that I want isn't listed.

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

- Windows Server 2019: Click Select a shared printer by name, and in the URL field, type the IP address or DNS name of the PS-17, followed by the name of the connection (print, hold, or direct).

For example, **http://10.10.10.150/ipp/print** or **http://DNS name of server/ipp/print** sends the job to the Print queue on the PS-17.

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

- Windows 10/Server 2016: Click Select a shared printer by name, and in the URL field, type the IP address or DNS name of the PS-17, followed by the name of the connection (print, hold, or direct).

For example, **http://10.10.10.150/ipp/print** or **http://DNS name of server/ipp/print** sends the job to the Print queue on the PS-17.

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

- Windows 8.1/Server 2012 R2: Click Select a Shared printer by name, and in the URL field, type the IP address or DNS name of the PS-17, followed by the name of the connection (print, hold, or direct).

For example, **http://10.10.10.150/ipp/print** or **http://DNS name of server/ipp/print** sends the job to the Print queue on the PS-17.

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

- Windows Server 2012: Click Select a Shared printer by name, and in the URL field, type the IP address or DNS name of the PS-17, followed by the name of the connection (print, hold, or direct).

For example, **http://10.10.10.150/ipp/print** or **http://DNS name of server/ipp/print** sends the job to the Print queue on the PS-17.

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

- Windows 7/Server 2008 R2: Click Select a Shared printer by name, and in the URL field, type the IP address or DNS name of the PS-17, followed by the name of the connection (print, hold, or direct).

For example, **http://10.10.10.150/ipp/print** or **http://DNS name of server/ipp/print** sends the job to the Print queue on the PS-17.

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

**5** Click Next.

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

- Windows Server 2019: Select the manufacturer and model of your printer and click OK.
- Windows 10/Server 2016: Select the manufacturer and model of your printer and click OK.
- Windows 8.1/Server 2012 R2: Click Install driver.
- Windows Server 2012: Click Install driver.
- Windows 7/Server 2008 R2: Click Install driver.

**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 11.

**8** Indicate whether you want to make the PS-17 the default printer.

- Windows Server 2019: Click Finish.
- Windows 10/Server 2016: Click Finish.
- Windows 8.1/Server 2012 R2: Click Next.
- Windows Server 2012: Click Next.
- Windows 7/Server 2008 R2: 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 PS-17 for the options installed on the printer to allow the PS-17 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 PS-17. 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 folder.

**2** For Windows computers with User Account Control, right-click the PS-17 icon, select Run as administrator, and then select Printer 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 PS-17 icon and choose Printer properties.

**5** Click the Installable Options 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 Windows 10 or later printer drivers

After you complete the printer driver installation, you can also configure the options installed on the printer for Windows 10 or later in Settings.

- 1 Click the Windows logo (Start button).
- 2 Click Settings > Devices, and then select Printers & Scanners.
- 3 Select the PS-17 from the list.
- 4 Click Manage, and then click Printer properties.
- 5 Click the Installable Options 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 PS-17 icon, select Printer properties, click the Installable Options 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 PS-17 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 PS-17 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 PS-17 and describes where to find information about these features:

- Downloading files to the PS-17 with the Docs tab in WebTools. (See *Utilities*.)
- Printing documents with E-mail Services. (See [E-mail Service](#) on page 38.)
- Printing documents with Fiery Hot Folders. (See *Fiery Hot Folders Help* or *Utilities*.)
- Printing documents with Command WorkStation. (See *Fiery Command WorkStation Help*.)

- Printing documents on the USB flash drive to the PS-17. (See [Printing from a USB flash drive](#) on page 40.)
- Printing documents with Web Services Device (WSD) printing. (See [Web Services for Devices printing](#) on page 46.)

The following list includes information about printing and saving files to the PS-17 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 23.)
- Specifying default print options. (See [Specify default print options for print jobs on Windows client computers](#) on page 25.)
- Customizing the Quick Access icon. (See [Customize the Quick Access icon in the Windows printer driver](#) on page 26.)
- Viewing the printer status. (See [View the printer status](#) on page 27.)
- Saving files to print to a remote location. (See [Saving files to print at a remote location](#) on page 27.)
- Printing custom page sizes. (See [Defining and printing custom page sizes](#) on page 84.)

## 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 PS-17 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 PS-17 and the printer. In these cases, use the print options specific to the PS-17 and the printer. These options appear on the Fiery Printing tab. The application may not set up the file properly for printing on the PS-17, 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 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 21.)

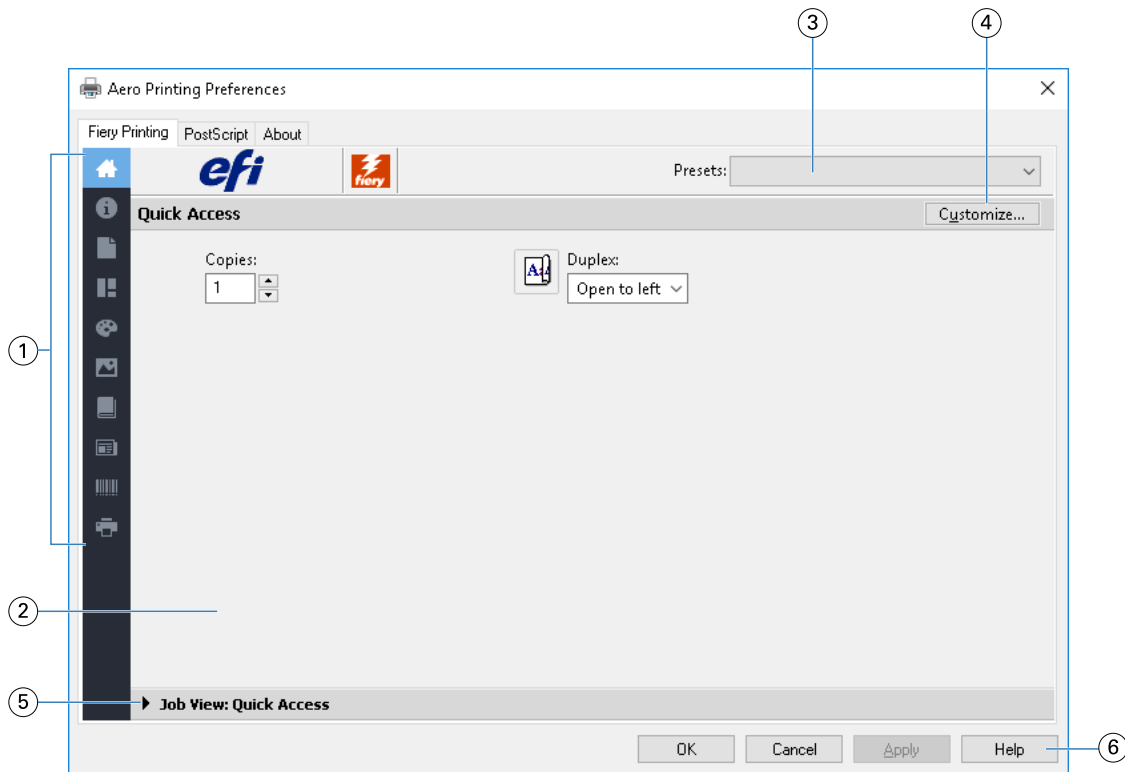
If you select Printer's default, the job prints according to the settings that the administrator specified in Setup. (See [Print options and default settings](#) on page 49.)

## 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 PS-17 as your printer.

- 2 Click Printing Preferences or Properties.
- 3 Click the Fiery Printing tab.



- 1 Print option icons
- 2 Active area
- 3 Presets (Job Templates), see Help
- 4 Customize (Shortcuts), see Help
- 5 Job View
- 6 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: Job notes > Account ID, Schedule printing, and Secure print, User authentication > Password
- Layout option: Impose

**Note:** The Impose option is only accessible from Command WorkStation Job Properties.

For information about using presets, see printer driver help.

**Note:** For a list of print options, see [Print options and default settings](#) on page 49.

- 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 26.)
- **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 49.)
- **Media-** Attributes and sources of paper to print and insert. (See [Media options](#) on page 52.)
- **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 54.)
- **Color-** Color settings and additional features (when optional color features are turned on). (See [Color options](#) on page 61.)
- **Image-** All image quality settings supported by the connected PS-17 and printer. (See [Image options](#) on page 68.)
- **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 PS-17 Setup but can be changed from Command WorkStation. (See [Finishing options](#) on page 70.)
- **VDP-** All Variable Data Printing (VDP) settings, such as FreeForm and advanced VDP settings. (See [Variable Data Printing \(VDP\) options](#) on page 74 .)
- **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 76 or printer driver help.)
- **Printer-** Information about printer status that includes the current paper and toner or ink levels. (See [View the printer status](#) on page 27 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 Server 2019:** 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 10/Server 2016:** 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 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.

The printers are displayed in the Devices and Printers folder.

- 2 Right-click the PS-17 icon and select Printing preferences.
- 3 Click the Fiery Printing tab.
- 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 23.)
- 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 PS-17 as your printer.
- 2 Click Properties.
- 3 Click the Fiery Printing tab, if necessary.
- 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.

## View the printer status

You can retrieve the status and levels of consumable materials of the printer from the PS-17 and display them in the printer driver with the Two-Way Communication option.

You can retrieve its color settings from the PS-17 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 the PS-17 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.

# macOS for PS-17

The PS-17 can be set up as a printer on a Mac computer by installing the printer driver for your printer and setting up the PS-17 for printing.

Printer drivers provide a way to communicate information about print jobs between your applications, the PS-17, and the printer.

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

For a complete list of supported Mac operating systems, see *Configuration and Setup*.

## Installing printer driver on a Mac computer

Installing the printer driver is the first step to set up the PS-17 as a printer.

**Note:** If the PS-17 printer driver is already installed, you must uninstall it before you install a new driver. (See [Uninstall printer driver from a Mac computer](#) on page 29.)

## Download printer drivers with WebTools

WebTools allow you to download printer driver installers to your computer directly from the PS-17, 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 PS-17.
- 2 Expand Software Downloads.
- 3 Click the Printer Drivers link under the Mac OSX tab.

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.

The Fiery Printer Driver Installer installs the printer driver that correspond to the PS-17.

**Note:** When the printer driver is added with the Bonjour connection, the last three bytes of the Mac address is added to the PS-17 name.

**8** If you can find the PS-17 from the list of printers by Network Discovery, do one of the following:

- Select the PS-17, and continue to install the printer driver by specifying the Print queue. The printer uses the Bonjour connection.
- Select the PS-17, and continue to install the printer driver by specifying the Hold queue. The printer uses the LPD (LPR) protocol.

**9** If you cannot find the PS-17 (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 PS-17.

## Uninstall printer driver from a Mac computer

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

### Install and use the Fiery Software Uninstaller utility

**1** 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.

**2** Drag the Fiery Software Uninstaller icon to the Applications folder.**3** Open the Applications folder and double-click the Fiery Software Uninstaller icon.**4** Click the Printers tab if it is not already selected.**5** Select a printer from the Installed Printers list.**6** 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.

- 7 To confirm that you want to delete the printer, type the password for your Mac computer in the dialog box and click OK.
- 8 Click the Drivers tab to view the installed printer drivers.
- 9 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 computers for printing

After the printer driver that corresponds to your printer has been installed, you must set up the Mac computer for printing to the PS-17.

### Set up printing on a Mac client computer

After you have the PS-17 printer driver installed, you must set up printing to the PS-17 on a client computer running macOS. You can add the printer with the LPR, Port 9100 or IPP connection.

#### **Set up the PS-17 from the Print dialog box on a Mac 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 one of the printer connections:
  - Default
  - IP

#### **Set up the PS-17 with Printers & Scanners on a Mac 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

## Add a printer with the Default connection on a Mac client computer

You can add a printer with the Default connection on a Mac client computer.

- 1 Click the Default icon in the upper-left corner of the Add dialog box.

Virtual printers are listed along with the default printer connections. Virtual printers appear as *printer name : virtual printer name* in the list of printers.

Any published virtual printer is available over LPR and FTP.

- 2 In the Default pane, select the PS-17 from the list.

The information about the selected printer appears at the bottom of the Default pane. The appropriate printer driver for the PS-17 is automatically selected.

- 3 Click Add.

The PS-17 name appears in the list of printers.

- 4 Select PS-17.

- 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 PS-17 on a Mac client computer

When the Bonjour connection is used for the PS-17 printer driver on a Mac client computer, you can find out the IP address of the PS-17 from the printer's Webpage.

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

- 2 Select the PS-17 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, locate the IP address for the PS-17, 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 client computer

You can add a printer with the IP Printer connection on a Mac client computer.

- 1 Click the IP icon in the upper-left corner of the Add dialog box.
- 2 In the IP pane, do one of the following:
  - For LPD printing, select Line Printer Daemon - LPD from the Protocol list, type the PS-17 IP address or DNS name in the Address field, and then type the print connection (print or hold) or published virtual printer name in the Queue field.
  - For Port 910x printing, select HP Jetdirect - Socket from the Protocol list, type the PS-17 IP address or DNS name in the Address field. The Queue field can be left empty.
- 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 PS-17 with its IP address appears in the list of printers.

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

## Configuring installable options on Mac client computers

To use the print options for the printer and PS-17 appropriately, you must configure the PS-17 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 PS-17 to the list of printers in the Printers & Scanners 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 client computers

You can print to the PS-17 just as you would print to any other printer from a Mac application.

Select the PS-17 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 PS-17 and describes where to find information about these features:

- Downloading files to the PS-17 with the Docs tab in WebTools. (See *Utilities*.)
- Printing documents with Fiery Hot Folders. (See *Fiery Hot Folders Help* or *Utilities*.)
- Printing documents with Command WorkStation. (See *Fiery Command WorkStation Help*.)
- Achieving optimal printing results from applications. (See *Color Printing* and *Fiery Color Reference*.)
- Selecting the PS-17 in the Printers list. (See [Select the PS-17 as the default printer on a Mac client computer](#) on page 33.)
- Printing jobs from Mac applications. (See [Set print options and printing from Mac applications](#) on page 34.)
- Customizing the Quick Access view. (See [Customize the Quick Access pane in the Mac printer driver](#) on page 36.)
- Viewing the printer status. (See [View the printer status](#) on page 37.)
- Printing custom page sizes. (See [Defining and printing custom page sizes](#) on page 84.)

## Select the PS-17 as the default printer on a Mac client computer

Before you print a job, you must set the PS-17 in the Printers list as your default printer.

- 1 Make sure that the PS-17 is connected to the network and turned on.
- 2 Select Apple menu > System Preferences, and then select Printers & Scanners.

The printers that are set up for printing are listed. The virtual printers that are configured at the PS-17 and set up for printing are also listed.

- 3 Select PS-17 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 PS-17 on a Mac 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 > Printers & Scanners, then select the PS-17 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 applications

To print from Mac client computers, install the printer driver for your printer.

In Mac applications, print options are set from the Print dialog box. (See [Installing printer driver on a Mac computer](#) on page 28.)

Some print options that are selectable from an application are similar to print options that are specific to the PS-17 and the printer. In these cases, use the print options specific to the PS-17 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 PS-17, 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 color settings from the PS-17 when Two-Way Communication is turned on and display them in the printer driver.

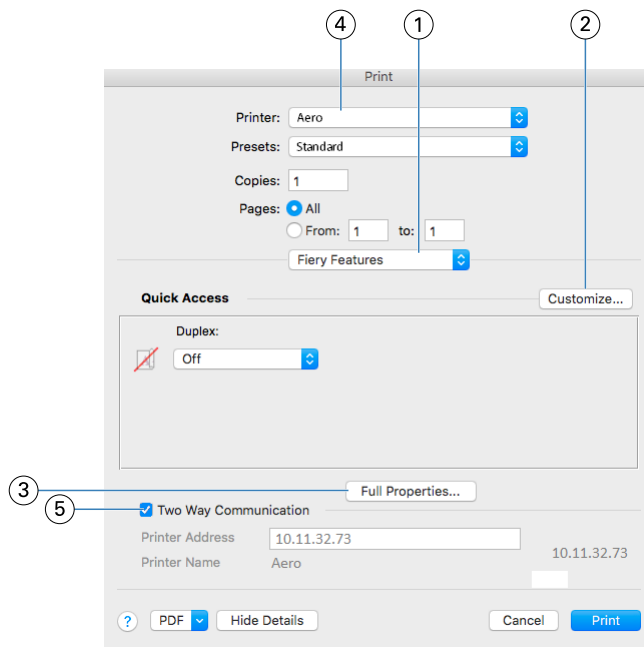
For information about Two-Way Communication, see printer driver help. (See [Configuring installable options on Mac client computers](#) on page 32.)

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 client computer](#) on page 34.)

## Set print options and print a job from a Mac client computer

You use the printer driver to specify print options for a particular job and then print it to the PS-17.

- 1 In your application, select File > Print, and select the PS-17 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*

**Note:** The Fiery Features option is not displayed in the macOS Mojave 10.14 Print dialog box for native applications, such as Safari, Preview, TextEdit, Pages, Numbers, and Keynote. Instead, the Printer Features option will be displayed and the printer driver can be used with limited options for printing. To print from these native applications, you can use Command WorkStation to print the job with Mixed media, Booklet Maker, or save the job as a PDF file and use any of the Adobe Acrobat applications, such as Reader, to open Fiery Features.

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

- Job Info options: Job notes > Account ID, Schedule printing, and Secure print, User authentication > Password
- Layout option: Impose

**Note:** The Impose option is only accessible from Command WorkStation Job Properties.

For information about using presets, see printer driver help.

For a list of print options, see [Print options and default settings](#) on page 49.

- 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 26.)
  - **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 49.)
  - **Media-** Attributes and sources of paper to print and insert. (See [Media options](#) on page 52.)
  - **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 54.)
  - **Color-** Color settings and additional features (when optional color features are turned on). (See [Color options](#) on page 61.)
  - **Image-** All image quality settings supported by the connected PS-17 and printer. (See [Image options](#) on page 68.)
  - **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 PS-17 Setup but can be changed from Command WorkStation. (See [Finishing options](#) on page 70.)
  - **VDP-** All Variable Data Printing (VDP) settings, such as FreeForm and advanced VDP settings. (See [Variable Data Printing \(VDP\) options](#) on page 74 .)
  - **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 76 or printer driver help.)
  - **Printer-** Information about printer status that includes the current paper and toner or ink levels. (See [View the printer status](#) on page 37 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 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 PS-17 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 PS-17 and display them in the printer driver with the Two-Way Communication option.

You can retrieve its color settings from the PS-17 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 PS-17 printer driver to the PS-17, as well as other printing methods, such as Command WorkStation.

## E-mail Service

E-mail Service allows you to control the PS-17 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 PS-17 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 PS-17. The attachment can be in any file format the PS-17 recognizes (PS, PDF, EPS, VDP, or TIFF).

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

You can print Microsoft Office files (Word, Excel, Publisher, and PowerPoint) from an email application if Enable Native Document conversion using PrintMe is selected in Configure > RIP > Native Documents.

- Manage jobs using an email application.

You can manage your print jobs by submitting email commands to the PS-17 using email.

## Printing using an email client

You can submit print jobs to the PS-17 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 PS-17 Print queue. The file format must be one supported by the PS-17.

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 PS-17 using email. (See *Configuration and Setup*.)

When User Authentication is turned on at the PS-17, 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 PS-17 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 PS-17 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 PS-17 recognizes (PS, PDF, EPS, VDP, or TIFF).

You can also print Microsoft Office files (Word, Excel, Publisher, and PowerPoint) from an email application if Enable Native Document conversion using PrintMe is selected in Configure > RIP > Native Documents.

**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 PS-17 and the job is printed. After the PS-17 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 39.)

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 PS-17 using email.

You can cancel a job, check job status, and get help on a job. When you send a command, the PS-17 sends an email response.

- 1 In your email application, type the PS-17 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 PS-17. 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 PS-17.

## Printing from a USB flash drive

You can print files from a USB flash drive to the PS-17. The PS-17 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 PS-17. The files can be from Mac or Windows computers, and can be any of the supported file types (EPS, PCL, PDF, PS, or TIFF).

**Note:** You can print Microsoft Office files (Word, Excel, Publisher, and PowerPoint) from a USB flash drive if Enable Native Document conversion using PrintMe is selected in Configure > RIP > Native Documents.

You can set up folders in the root of the flash drive to correspond to the PS-17 queues:

- To send files to one of the standard print queues (print, hold, or direct) on the PS-17, 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 PS-17 queue names at the root level of the USB flash drive are copied automatically to the corresponding PS-17 queue.
- To send files to a virtual printer that is configured on the PS-17, 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 PS-17.
- 3 Save the files (EPS, PCL, PDF, PS, or TIFF) from either the Mac or Windows computer to the USB flash drive, placing the files in the folders that correspond to the action that you want to take.

You can print Microsoft Office files (Word, Excel, Publisher, and PowerPoint) from a USB flash drive if Enable Native Document conversion using PrintMe is selected in Configure > RIP > Native Documents.

- 4 Connect the USB flash drive to the USB port on the PS-17.

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 PS-17.

 **CAUTION** Make sure that the USB flash drive is properly stopped before you disconnect it from the PS-17.

## 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 Secure print field in the printer driver when you send your job to the PS-17. 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 PS-17 as your printer, click Properties, and then click the Job Info icon.
  - On Mac computers: Select File > Print, select the PS-17 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 Type an arbitrary password in the Secure print field.

**Note:** The password requires at least 1 character and can be up to 31 characters long. It is limited to alphanumeric characters and "-", "\_", and "." symbols only.

For more information about typing the password, see [Job Info options](#) on page 49.

- 3 Make any other required changes to Job Properties.
- 4 Click OK to close the PS-17 Properties dialog box.
- 5 Click OK or Print to close the Print dialog box and send your job to the PS-17.

The job is sent to the printer.

## Retrieve a secure print job from the printer

- 1 Press the Home button on the printer control panel.
- 2 Press the Fiery logo on the printer touch panel.
- 3 Press the Jobs tab.
- 4 Press the Secure Print tab.
- 5 On the Jobs - Secure Print screen, type the same password that you typed in the Secure print field of the printer driver, and then press OK.

The print jobs that match the password are displayed.

- 6 Select your print job and choose Print or Delete.

After 45 seconds of inactivity, the Jobs - Secure Print screen returns to the main Application screen.

## FTP printing

You can send jobs to the PS-17 using FTP printing if the PS-17 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 PS-17
- 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 PS-17:

- 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 PS-17 with the FTP protocol

You can use the FTP protocol to print files to the PS-17.

- 1 Connect to the PS-17 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 PS-17.

## Sample Print

The Sample Print feature allows you to print extra pages to an easily accessible output tray during a long print job, to verify that the printer is performing as expected.

For example, when a job is currently printing to a closed elevator (such as 1000 pages to an output tray that cannot be opened until the entire job is completed), you can use the sample print function to print a separate page or finished output set to an open output tray to verify the output. If the output is unsatisfactory, you can take corrective action.

Use Sample Print only with printers that have more than one output tray; the feature is useful when one output tray is closed and not easily accessed during printing.

You can print an extra sheet or output set as follows:

- On-demand during the printing of a job
- Every N-sheets during the currently printing job
- Every N-sheets until canceled (can span jobs)

You can set up the Sample Print default settings for the specified PS-17 using Configure (Server > Configure). (See *Command WorkStation Help*.)

## Start or stop a sample print

When the job is printing, you can initiate a sample print. The default setup values are applied and any existing sample print command in progress is overridden.

- 1 To initiate a sample print, select Server > Start Sample Print while a job is printing.

The PS-17 performs the sample print based on the options specified in Configure.

If Start Sample Print appears dimmed or unavailable, then the PS-17 is already performing a sample print or it is not available for the specified PS-17.

- 2 To cancel a sample print, select Server > Stop Sample Print.

## Adobe PDF Print Engine

The Adobe PDF Print Engine is an additional interpreter that allows native PDF processing and rendering without requiring the PS-17 to convert the job from PDF to PostScript.

No special printer driver is required for printing PDF Print Engine jobs, but the administrator must turn on related settings in Setup. If PDF Print Engine is not turned on, PDF files are processed with the PostScript interpreter of the PS-17. All PostScript files continue to be processed with the PostScript interpreter.

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

**Note:** PDF Print Engine is available on the PS-17 with an optional license.

To turn on the PDF Print Engine workflow in the PS-17, see *Configuration and Setup*.

### Print with the Adobe PDF Print Engine workflow

You can use the PDF Print Engine workflow to print files to the PS-17.

You can print with the PDF Print Engine 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 *Fiery Command WorkStation Help*.
- Fiery Hot Folders  
Configure a hot folder for PDF Print Engine.  
For more information, see *Fiery Hot Folders Help*.

### Use Adobe PDF Print Engine workflow in Command WorkStation

- 1 Double-click a PDF job in the Held or Printed queue, 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.
- 3 Specify the print option settings, and then click Print.

## Print multiple files with Adobe PDF Print Engine workflow

You can print multiple files at the same time with the PDF Print Engine workflow.

If you open the Job Properties window 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 PDF Print Engine workflow.

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 PDF Print Engine, the Paper size option reflects the size of the first page in the PDF. If you override the Paper size option in the Job Properties window, 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 Use 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 window.

- 2 After the multiple jobs have opened, specifying a value in the Job Properties window 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 PS-17 from mobile devices, such as iPad, iPhone, and iPod touch.

The PS-17 must have certain networking options turned on in Setup. After Setup is complete, the PS-17 appears in the list of available printers on the mobile device.

In addition, observe the following configuration requirements:

- Make sure that the PS-17 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 PS-17. The Printer Default Paper Size is used for all Direct Mobile Printing jobs.

For information about configuring the settings in Setup on the PS-17, 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 PS-17.

- 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 PS-17 in the list of available printers.
- 3 Specify print settings, and click Print.

## Print with Fiery JDF

Fiery JDF allows submission of JDF jobs to a PS-17 from applications that can create 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 *Fiery Command WorkStation Help*.

This option is available as part of Fiery Automation Package. For more information, see *Fiery Automation Package*.

- 1 From Configure, choose Job Submission > JDF Settings.
- 2 Select Enable JDF.
- 3 If a virtual printer is configured for the PS-17, 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 if you want the JDF jobs to be closed automatically or manually after printing.
- 7 Specify the items required for closing a JDF job. The criteria you select here must be fulfilled before the job can close automatically or manually.
- 8 Specify the network paths where the PS-17 searches for common resources.
- 9 Click Save.

## Web Services for Devices printing

Web Services for Devices (WSD) allows printing from Windows computers for supported operating systems, and Windows 8.1 or later based tablets.

The WSD option on the PS-17 must be turned on in Setup. After Setup is complete, you can install the WSD printer driver for the PS-17.

For information about configuring the settings in Setup on the PS-17, see *Configure Help*.

## Install the WSD printer driver

You can install the WSD printer driver on Windows computers and tablets for supported operating systems.

- 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 PS-17 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 PS-17, 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 PS-17 printer driver, available print options, and where to set print options to print your jobs successfully.

## About the PS-17 printer driver

Windows and Mac computers communicate with the PS-17 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 PS-17.

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 PS-17 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 PS-17, see [Print options and default settings](#) on page 49.

## Set print options for the job

Print options give you access to the special features of your printer and the PS-17.

You can specify print options in these areas:

- **Setup**  
Some settings are specified during the initial PS-17 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 source, CMYK rendering intent, Separate RGB/Lab to CMYK source, RGB source, RGB rendering intent, Spot color matching, Grayscale source, Grayscale rendering intent, Black text and graphics, Black overprint (for pure black) and Output profile settings.  
For more information, see *Color Printing*.
- **Fiery 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 more information, see *Fiery Hot Folders Help*.

- Fiery JobExpert

You can automatically apply suggested job settings to your jobs using Fiery JobExpert. These print options override any default options.

For more information, see *Fiery JobExpert Help*.

- Overrides in the Job Properties window of Command WorkStation

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

For more information, see *Fiery Command WorkStation Help*.

## Print option override hierarchy

Print option settings that were specified in the printer driver can be overridden either in the Held, Printed or Archived queue of Command WorkStation.

**Note:** You can use inline editing in the Job Summary pane as another way to override job properties.

The override hierarchy is as follows:

- Settings from the user’s printer driver override the PS-17 Setup settings.
- Settings assigned to Fiery Hot Folders override the user’s printer driver settings.
- Settings made from the job management tools (Job Properties window of Command WorkStation) override the user’s printer driver settings.
- Settings applied with Fiery JobExpert override the user’s printer driver and preset 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 PS-17 prints the job with the default setting.

For the default settings of the PS-17, as set in the Default settings window (Server > Set Defaults in Command WorkStation), choosing Unlock All results in the PS-17 printing the job with the current server defaults or previously saved settings.

For options that cannot be configured in Setup, the PS-17 prints the job with a preconfigured Factory 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 *Fiery Command WorkStation Help*.)

**Note:** A job uses the PS-17 default settings (unless otherwise specified) at the time it is processed for printing, not at the time it is sent to the PS-17 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. It also contains settings for selecting the number of print copies.

### **Accounting: Enable job tracking**

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

To display the job notes and instructions 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 the Job Properties window of Command WorkStation.

### **Copies**

The maximum number of copies is 9999.

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

**Note:** In the Mac printer driver, the Copies field in the Job Info window of Fiery Features is read-only. To change the number of copies, select Copies & Pages from the Mac printer driver main window (instead of Fiery Features).

### **Destination: Schedule printing**

The Schedule printing print option, when selected, performs advance print scheduling based on date and time for the print job.

The job is always printed at specified date and time regardless of the Print queue action setting 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 PS-17, 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.

This option is available as part of Fiery Automation Package. For more information, see *Fiery Automation Package*.

### **Job notes: Account ID**

The Account ID print option is associated with the print job. It is used to manage print job history on the printer.

The Account ID field has an 8-character (numeric) limit.

### **Job notes: Notes 1/Notes 2**

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 of 31 characters.

**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: 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 of 127 characters.

### 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: Secure print

The Secure print print option should be used to print sensitive or confidential documents. Specify an arbitrary password and re-enter it when you are present at the printer. This field accepts alphanumeric characters and has a maximum limit of 31 characters.

### 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 the Job Properties window in Command WorkStation.

### Reporting: Control Bar

The Control Bar feature 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 in Control Bar under Color Setup in Device Center of Command WorkStation. For more information about a custom control bar, see *Fiery Command WorkStation Help*.

This option is available as part of Fiery ColorRight Package. For more information, see *Fiery ColorRight Package*.

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

### **Reporting: Postflight**

The Postflight print option is a diagnostic tool that allows you to analyze how data is processed by the PS-17. You can choose to print an analytical report for a job.

This option is available as part of the Fiery ColorRight Package. For more information, see *Fiery ColorRight Package*.

### **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 PS-17.

In Command WorkStation, the management of jobs is determined by how you log on to the PS-17.

### **User authentication: Password**

If user authentication is configured on the PS-17, 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 PS-17, 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.

### **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. You can specify the document size with the Paper size option from the Mac printer driver.

## 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.

## 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 PS-17 are described in *Utilities*.

## Mixed paper size document

The Mixed paper size document print option allows you to print certain mixed paper size documents.

The Mixed paper size document settings are:

- No
- A4/A3
- 8K/16K
- Letter/Tabloid
- Letter/Legal

## 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 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*.

## 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 54.)
- Gangup is used for speed printing imposition modes. (See [Gangup layout options](#) on page 56.)
- Booklet is used for printing documents in booklet layout. (See [Booklet options in the printer driver and Job Properties](#) on page 58.)
- Impose is used for imposition layouts for custom printing, binding, and trimming. (See [Impose layout options](#) on page 60.)

**Note:** The Impose option is only accessible from Command WorkStation Job Properties.

## Normal layout options

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

### Auto rotate 90

The Auto rotate 90 print option automatically rotates the image on the sheet.

This option is accessible only from the Job Properties window of Command WorkStation.

## Duplex

The Duplex print option allows you to print a job with duplex (double-sided) pages.

Select Off for single-sided printing.

Specify Head to head or Head to toe for duplex (double-sided) printing by specifying the orientation of printed images.

[Print Duplex \(double-sided\) pages](#) on page 90

## Mirror

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

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

## Orientation

The Orientation print option allows you to specify Portrait or Landscape page orientation for the document.

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

## 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 the Job Properties window of Command WorkStation.

## N-up option: Page Order

Specify the layout direction when the Pages per Sheet option is set to 2-up or greater.

## 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: Print border

Select to turn on Print border to print borders around each page in your print job.

## Rotate 180

The Rotate 180 print option, when selected, rotates the pages of a job 180 degrees.

## 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%.

## Scale to fit

The Scale to fit option allows you to specify whether to scale your job to fit to the paper size or the imageable area. When using the Scale to fit option, you cannot use the manual Scale option.

Choose one of the following:

- Scale to fit (Sheet size) will automatically scale the image to fit the paper size, which is different than the document size, that is selected from the Paper size menu in the Media tab.
- Scale to fit (Imageable area) will automatically increase or reduce the size of the image to fit the imageable area of the paper size you select from the Paper size menu in the Media tab. The document size is scaled to the printable imageable area of the paper.

For more information, see [Document size and paper size](#) on page 85.

## 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 88.

### Page Alignment: Duplex

The Page Alignment: Duplex print option allows you to select the duplex (double-sided) setting to specify the orientation of printed images for gang-up printing.

Select Off for single-sided printing.

Specify Head to head for duplex (double-sided) printing by specifying the orientation of printed images.

[Print Duplex \(double-sided\) pages](#) on page 90

### 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.
- 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 85.

For information about printing custom page sizes, see [Defining and printing custom page sizes](#) on page 84.

### Paper Size: Shrink to fit

The Shrink to fit print option, when selected, 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:

- Off - prints the page contents at 100%.
- Sheet size - shrinks the page contents to fit the sheet size.
- 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 are 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 80.

**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 Booklet printing, see *Booklet Maker Help*.

### Cover: Back cover

When Front & Back Separately is selected for the 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.

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 Thick 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.
- 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 85.

For information about printing custom page sizes, see [Defining and printing custom page sizes](#) on page 84.

For more information about printing booklets, see *Booklet Maker Help*.

### **Paper Size: Shrink to fit**

The Shrink to fit print option, when selected, 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:

- Off - prints the page contents at 100%.
- Sheet size - shrinks the page contents to fit the sheet size.
- 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.

### **Impose layout options**

Fiery Impose provides several pre-defined imposition templates used for custom printing, binding, and trimming.

Impose is an option on the PS-17.

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).

### Calibration

Calibration shows the current calibration used to process the job. If you change the color mode, you must reprocess the job to apply the new calibration.

### 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.

### Output profile

The 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.

For more information, see *Color Printing*.

### Color input options

## 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 source

The CMYK source print option specifies the simulation profile for the print job.

For more information, see *Color Printing*.

## CMYK rendering intent

The CMYK rendering intent print option allows you to specify a default CRD (color rendering dictionary) for color conversion when printing CMYK images, graphics, and text.

Do one of the following:

- Select Photographic to print photographs, including scanned and digital camera images. The result is less saturated than Presentation style.
- 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 Absolute Colorimetric when exact colors are required and visible borders are not distracting. There is no white point transformation.
- 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 Pure primaries to use one-dimensional transfer curves to adjust density output of individual color channels.

**Note:** If you experience tone reproduction problems, set this option to Photographic.

For more information, see *Color Printing*.

### Grayscale rendering intent

The Grayscale rendering intent print option allows you to specify a default CRD (color rendering dictionary) for color conversion when printing grayscale images, graphics, and text.

Do one of the following:

- Select **Photographic** to print photographs, including scanned and digital camera images. The result is less saturated than **Presentation** style.
- 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 **Absolute Colorimetric** when exact colors are required and visible borders are not distracting. There is no white point transformation.
- 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.

**Note:** If you experience tone reproduction problems, set this option to **Photographic**.

For more information, see *Color Printing*.

### Grayscale source

The Grayscale source print option defines the source color space for all grayscale objects.

### Print gray using black only

The **Print gray using black only** print option provides settings to print a grayscale 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. (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*).

### Print CMYK gray using black only

The **Print CMYK gray using black only** print option provides settings to print a CMYK grayscale 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. (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*).

### Print RGB gray using black only

The Print RGB gray using black only print option provides settings to print an RGB grayscale 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. (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*).

### RGB rendering intent

The RGB rendering intent print option allows you to specify a default CRD (color rendering dictionary) for color conversion when printing RGB images, graphics, and text.

Do one of the following:

- Select Photographic to print photographs, including scanned and digital camera images. The result is less saturated than Presentation style.
- 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 Absolute Colorimetric when exact colors are required and visible borders are not distracting. There is no white point transformation.
- 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.

**Note:** If you experience tone reproduction problems, set this option to Photographic.

For more information, see *Color Printing*.

### RGB source

The RGB source print option allows you to specify a source color space definition for printing RGB images, graphics, and text.

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 PS-17 uses a built-in table to generate the closest CMYK matches of spot colors your press can produce. (See *Color Printing*.)

### Use CMYK embedded profiles

When the Use CMYK embedded profiles option is selected, the PS-17 ignores the CMYK source option and uses the CMYK profile embedded in the print job as the CMYK source profile.

For more information, see *Color Printing*.

### **Use Gray embedded profiles**

When the Use Gray embedded profiles option is selected, the PS-17 ignores the Grayscale source option and uses the Gray profile embedded in the print job as the Grayscale source profile.

For more information, see *Color Printing*.

### **Use RGB embedded profiles**

When the Use RGB embedded profiles option is selected, the PS-17 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 spot group**

The Use spot group print option allows you to define the spot color library to search first for the spot colors in the job before searching all other libraries in the PS-17.

## **Color settings options**

### **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.

For more information, see *Color Printing*.

### **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*.

### 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*.

### 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.

For more information, see *Color Printing*.

### 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 Edits

The ImageViewer Edits print option applies edits made to the job in Fiery ImageViewer when the job prints. You can also apply Fiery ImageViewer presets to the 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

## Optimize RGB transparency

The Optimize RGB transparency print option controls the source color profiles used to manage color conversion when rendering transparency effects (such as a drop shadow) in a PDF job.

This option is accessible from the Job Properties window of Command WorkStation, Fiery Hot Folders, and Virtual Printers.

For more information, see *Color Printing*.

## Raster Curve Editor

The Raster Curve Editor print option allows you to adjust individual or all color channel curves. You can create and save a raster curve preset to adjust the CMYK output of any job.

## Separate RGB/Lab to CMYK source

The Separate RGB/Lab to CMYK source print option, when selected for RGB content, simulates the appearance of CMYK from a different print system.

This option is required with PDF/X workflows and is used to preserve CMYK overprints in transparency effects.

For more information, see *Color Printing*.

## Substitute colors

The Substitute colors print option, when selected, uses the substitute color values defined in Spot-On or Spot Pro.

**Note:** Spot Pro is available with the Fiery ColorRight Package.

For more information, see *Color Printing*.

### **Use embedded black point compensation**

The Use embedded black point compensation print option, when selected, uses the embedded output intent for black point compensation.

### **Use PDF/X output intent**

The Use PDF/X output intent print option, when selected, uses the embedded output intent for PDF/X compliant print jobs.

To use some PDF/X references, the Use RGB embedded profiles, Optimize RGB transparency, and Separate RGB/Lab to CMYK source print options must be turned on.

This option is only accessible from the Job Properties window of Command WorkStation. (See *Color Printing*).

## **Image options**

The Image tab shows all image quality settings supported by the connected PS-17 and printer.

For information about options specified in Setup, see *Configuration and Setup*.

### **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.

### **Gloss mode**

The Gloss print option, when selected, allows you to gloss the print job like a photograph.

### **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 89.

### **Image enhance: Image enhancement range**

Specify all pages, specific page(s), or sheets of the document to apply photo finishing enhancement.

### **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.

### 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.

### 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 PS-17. The User defined screen 1-3 settings reflect the setting specified in PS-17 Setup.

**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.

**Note:** It is not recommended that you use Halftone simulation in combination with other imaging and calibration features that may alter the dot shape of the halftone.

For more information, see *Color Printing*.

### Printer screen mode

The Printer screen mode print option is used to print a job that contains graphics.

Select one of the following:

- Gradation - use to print a job that contains graphic images
- Resolution - use to print a job that contains mostly text.

### Toner save mode

The Toner save mode print option allows you to save toner. When the option is turned 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 Source to Bypass conversion. For best results printing RGB color, make sure the Use RGB embedded profiles 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 PS-17 Setup but can be changed from Command WorkStation.

## Cover page: Banner page

The Banner page print option, when selected prints a banner page with detailed job information.

The Banner page can be configured using one of the following settings:

- Templates – templates saved on the PS-17.
- Document pages – define up to the first five pages in your job as banner pages.

The available settings are:

- Page 1
- Page 1 and 2
- Page 1, 2 and 3
- Page 1, 2, 3 and 4
- Page 1, 2, 3, 4 and 5

## Cover page: Banner page position

The Banner page position print option allows you to specify where your banner page appears on your job.

When Banner page is enabled on the PS-17, it is turned on for all jobs. By default, Banner page prints on the same media as the body of the job.

Select one of the following options:

- Before job – a banner page prints before the first page of the job
- After job – a banner page prints after the last page of the job
- Before and after – a banner page prints both before and after the job

## 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.

## Delivery option: Collate

The Collate print option allows you to specify how to output multiple-page/multiple-copy jobs.

- On: Copies of a complete job are sorted as 1-N, 1-N.
- Off: Copies of a complete job are sorted as 1,1, 2,2, 3,3.

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

**Note:** The collation of Mixed media and Variable Data Printing (VDP) jobs is handled differently. For Mixed media jobs, copies of a complete job are sorted according to finishing set. For VDP jobs, copies of a complete job are sorted per record.

For information about VDP, see *Variable Data Printing*.

For information about Mixed media, see *Utilities*.

## Delivery Option: Offset jobs

The Offset jobs print option, when selected, offsets (shifts in output tray) the job.

## 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:

- 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) 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) in reverse (N-1) order.

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 4/last page on the front of the sheet of paper and page 3 on the back, and page 2 on the front of the next sheet of paper and page 1 on the back in normal (1-N) order).
- Select Face down - reverse order to print your document, for example 4 pages, with page 2 on the front of the sheet of paper and page 1 on the back, and page 4/last page on the front of the next sheet of paper and page 3 on the back in reverse (N-1) order).

For more information, see [Output delivery](#) on page 89.

**Delivery option: Output tray**

The Output tray print option allows you to specify the output tray for the job.

**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 87.

**Fold: Fold style**

The Fold style print option allows you to specify a fold style for the print job.

[Fold style options](#) on page 87

**Fold: Number of sheets**

The Fold: Number of sheets print option allows you to specify the number of sheets to fold for the print job.

**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.

**Image shift: Align front and back images**

The Align front and back images print option, when selected, aligns the images on the front and back sides of the page.

**Image shift: Front and Back shift**

Use the Front and Back print options to customize the image position along the x and y axes on the front or back of the page.

**Image shift: Units**

The Units print option, in inches, millimeters, and points, specifies the unit of measurement for Front and Back image shifts.

## Offset

The Offset print option, when turned on, allows you to offset (shift in output tray) multiple-page/multiple-copy jobs. You can offset multiple-page/multiple-copy jobs every Copies/Sets by selecting one of the following settings:

- Copies - offsets every N copies of a job
- Sets - offsets every N VDP records, subsets, chapters, or uncollated copies, for example 10 copies of page 1, of a job.

## Punch

The Punch print option allows you to specify the position of the holes to punch for your job.

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: Punch edge

The Punch edge print option allows you to 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 position and hole punching](#) on page 91

### Punch: Punch hole type

The Punch hole type print option allows you to specify the number of holes to punch for your job.

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 position and hole punching](#) on page 91

## Slip sheet

The Slip sheet print option, when turned on, allows you to insert a blank or preprinted sheet as a separator between copies of a job with a large number of pages based on user configuration.

A slip sheet offset can be specified. Slip sheets are never stapled with the job.

Slip sheets can be inserted before every copy, sheet, or set by selecting one of the following settings:

- Copies - inserts a sheet before every N copies of a job.
- Sheets - inserts a sheet before every N sheets.
- Sets - inserts a sheet before every N VDP records, subsets, chapters, or uncollated copies, for example 10 copies of page 1, of a job.

**Note:** Slip sheets for Copies are not supported for uncollated jobs.

### Slip sheet: Slip sheet media

The Slip sheet media print option allows you to use the same media defined for the job or a custom media size for the slip sheet.

The Slip sheet 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 a specific media size.

### Slip sheet: Media interleaving paper source

The Media interleaving paper source print option is used to select the paper source tray for transparency interleaving.

### Slip sheet: Transparency interleaving

The Transparency interleaving print option allows you to print multiple transparency sheets separated by slip sheets.

Select Off to not print transparency sheets.

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

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

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

### Stapler: 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.

### Variable Data Printing (VDP) options

The VDP tab shows all Variable Data Printing (VDP) settings, such as FreeForm and advanced VDP settings.

The PS-17 is compatible with the following variable data printing languages:

- FreeForm, FreeForm 2, and FreeForm Plus

**Note:** For information about FreeForm Plus files, see *FreeForm Create Help*.

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

- Duplex
- Orientation
- Document size
- Stapler mode

The following setting for the variable document overrides the corresponding settings in the master document:

- Media type
- Output tray

### **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*.

### **Preview Master**

The Preview Master print option, when selected, generates a low-resolution image of your master page.

This option is not available for the macOS 10.14 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 PS-17 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*.

## **Form: Form on top**

The Form on top print option allows you to keep the form on top of the print job.

## **Stamping (Watermark) options**

The Stamping tab shows all image stamping options that add or hide/remove any image on the job.

The watermark features are available from the printer driver only.

This also includes watermark properties that define the placement and style of the watermark. For information, see printer driver help.

## **Copy initial number**

The Copy initial number print option allows you to set the starting copy number for the print job.

## Copy numbering

The Copy numbering print option, when selected, prints the job with copy numbering.

## Copy numbering angle

The Copy numbering angle print option allows you to set the angle of the copy number printed for the print job.

## Copy numbering font size

The Copy numbering font size print option allows you to select the font size for the copy number used for the print job.

## Copy numbering transparency

The Copy numbering transparency print option allows you to print the copy number on each transparency.

## 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 the Job Properties window of Command WorkStation.

- 1 In Command WorkStation, right-click a job in the Held or Printed queue.
- 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. However, the print options listed in the table below are the exceptions and can only be changed from the locations marked with an X.

The exceptions are listed in the table.

| Printer driver tab           | Option                                 | Driver Win | Driver Mac | CWS |
|------------------------------|--|------------|------------|-----|
| Job Info                     | Account ID                             | X          | X          |     |
|                              | Enable job tracking                    | X          | X          |     |
|                              | Print Range                            |            |            | X   |
|                              | Print queue action                     | X          | X          |     |
|                              | Secure print                           | 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          |            |     |
| Layout: Normal               | Mirror                                 | X          |            |     |
|                              | Orientation                            | X          |            |     |
|                              | Orientation override                   |            |            | X   |
| Layout: Impose               | Templates                              |            |            | X   |
| Color                        | Optimize RGB transparency              |            |            | X   |
| Variable Data Printing (VDP) | Cache PDF and PS objects               |            |            | X   |
| Stamping (Watermark)         | Watermark                              | 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.

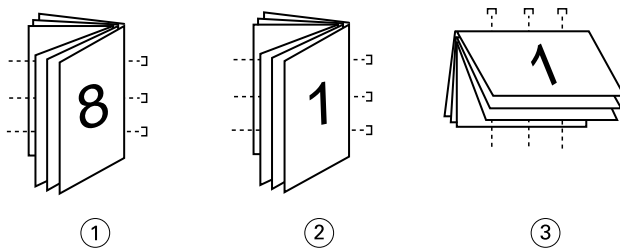
Booklet Maker provides advanced settings, while streamlining the booklet-making process by displaying only the options and controls relevant to your selections. Booklet Maker is capable of imposing jobs from nearly any application.

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.

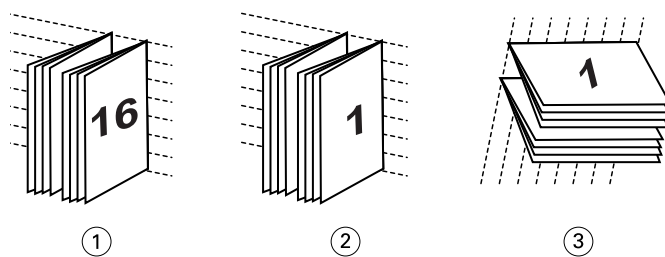
The following booklet layouts are available:

- **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.



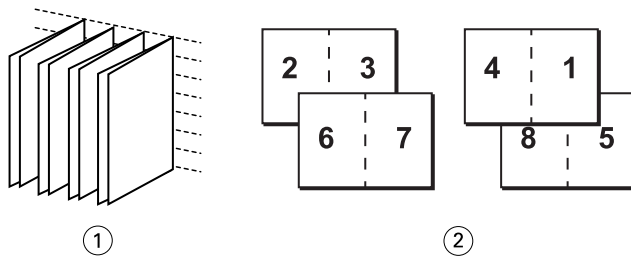
- 1 Saddle (left) binding
- 2 Saddle (right) binding
- 3 Saddle (top) binding

- **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 58.

## Booklet Maker in the printer driver and Command WorkStation Job Properties

You can access Booklet Maker from the Layout tab 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 pane.  
 Recommended for experienced or advanced users.

For more information, see [Booklet options in the printer driver and Job Properties](#) on page 58.

### Access Booklet Maker from the Windows printer driver

- 1 In your application, select File > Print.
- 2 Select the PS-17 as your printer and click Properties.
- 3 In the printer driver, click Layout and then select the Booklet option.  
 For more information, see *Booklet Maker Help*.

### Access Booklet Maker from the Mac printer driver

- 1 In your application, select File > Print.
- 2 Select the PS-17 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 **Layout** and then 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** queue, or right-click the job and select **Properties**.
- 2 Click **Layout** 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 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**.
- 2 Select a **binding edge**: **Left**, **Top**, or **Right**.
- 3 Specify a **Paper Size**.
- 4 Select **Shrink to fit** option, if required.

- 5 Specify Page alignment.
- 6 Specify Compensate creep, 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 82).
- 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.

### 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 window.

Units specifies the units of measurement used to display attributes, such as page sizes and custom sizes, that you enter in the Job Properties window. This setting does not affect predefined page-size values.

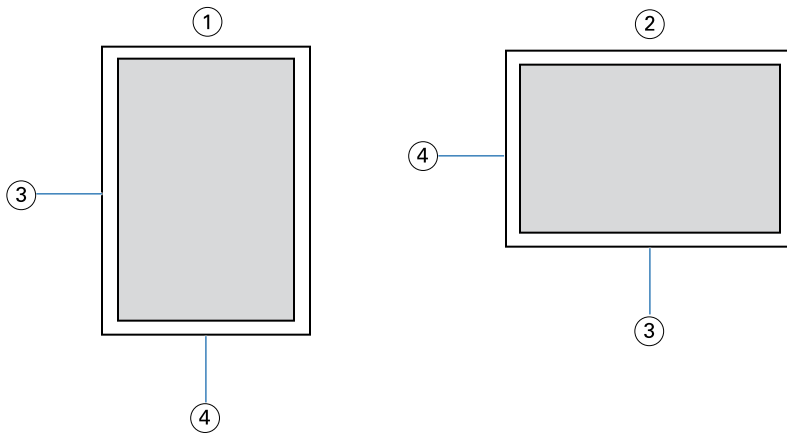
- 1 In Command WorkStation, select Edit > Preferences.
- 2 Click Region to access Regional Settings.
- 3 Select the unit of measurement (millimeters, or inches).
- 4 Click OK.

The changes are not effective until Command WorkStation is restarted.

## 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.

For information about defining and printing custom page sizes, see printer driver help.

### Document size and paper size

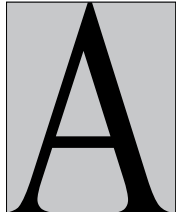
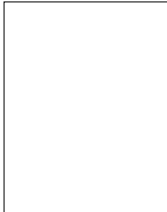
Document size is the page size defined in your application’s Print setup (or Page setup) dialog box.

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).


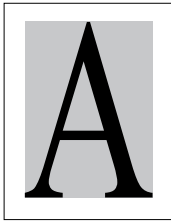
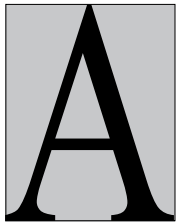
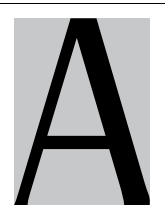
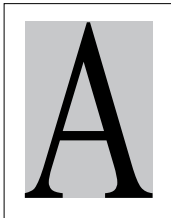
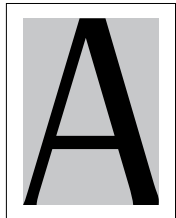
In cases when you print one document page per sheet of paper, document size is usually the same as the paper size. However, document size may differ from paper size when you print booklets or impose multiple document pages on a single sheet.

The illustrations show examples of possible relationships between document size and paper size. Note that the orientation of all pages shown is landscape.

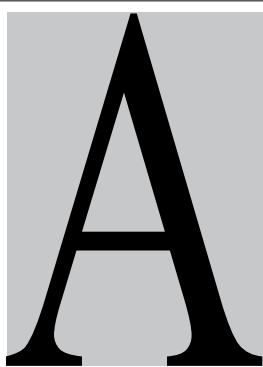

Paper size is same as original size:

| Original size   | Paper size  |
|---|---|
|  |  |
| Letter/A4   | Letter/A4   |



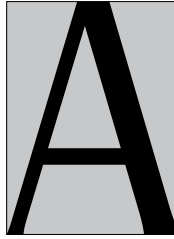
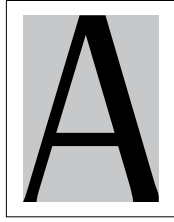

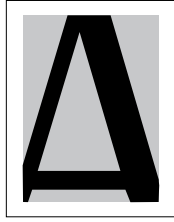
Results:

|                              | <b>Scale to fit<br/>(Sheet size)</b>  | <b>Scale to fit<br/>(Imageable area)</b>  | <b>Scale = 100%</b>   |
|------------------------------|---|---|---|
| Command WorkStation          |  |  |  |
| Printed result<br>(See note) |  |  |  |

Paper size is different from original size:

| <b>Original size</b>  | <b>Paper size</b>  |
|---|--|
| <br>11x17/A3 | <br>Letter/A4 |

Results:

|                              | Scale to fit<br>(Sheet size)  | Scale to fit<br>(Imageable area)  | Scale to fit<br>Scale = 100%  |
|------------------------------|---|---|---|
| Command WorkStation          |  |  |  |
| Printed result<br>(See note) |  |  |  |

**Note:** The edges of the images may be cropped when printed because the blank spaces are added by the printer as non-printable area. To reduce the size of the image to fit to the printable area, choose Scale to fit (Imageable area) setting for the Scale to fit print option.

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*.

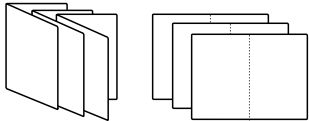
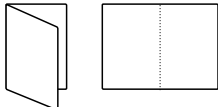
For more information, see [Scale to fit](#) on page 56.

## 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.

The following types of folds are supported:

| Fold style          | Fold illustration   |
|---------------------|---|
| Booklet stitch (2s) |  |
| Just fold           |  |

| Fold style                                       | Fold illustration |
|--|-------------------|
| Tri-fold left to right<br>Tri-fold right to left |                   |
| Half Z-fold                                      |                   |
| Z-fold   |                   |

A finisher capable of folding must be installed on the printer.

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 in reverse order. The Fold order option allows you to specify whether text/images print on the inside or outside of the folded sheet.

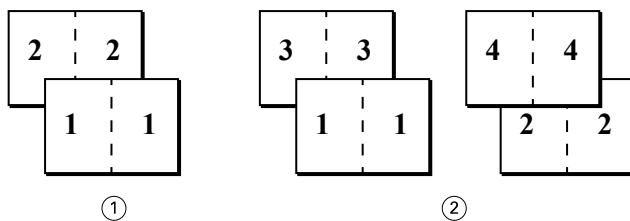
For information about finishers and other installable options, see printer driver help.

## Gang-up printing

Gangup layout options are used for speed printing imposition modes.

The PS-17 includes two speed-printing options for gang-up printing:

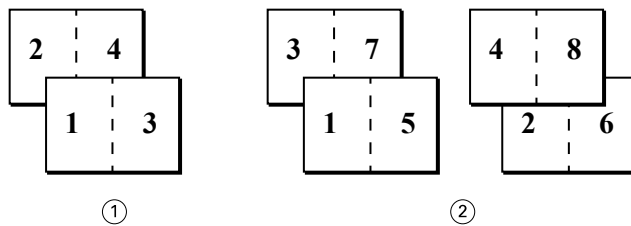
- **Step & repeat** - Select this option to speed print a job so that the first page of your document is printed twice on the first sheet. The next sheet duplicates the data on the second page, the next sheet duplicates the data on the third page, and so on. When the printed sheets are cut in half, the 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 56.

### Access Gang-up print from the Windows printer driver

- 1 In your application, select File > Print.
- 2 Select the PS-17 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 printer driver

- 1 In your application, select File > Print.
- 2 Select the PS-17 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.

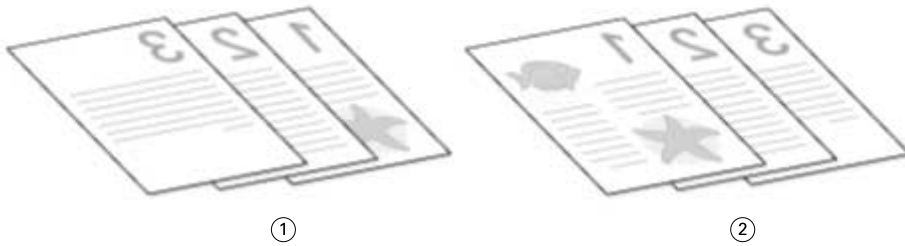
To turn on this feature, select the Apply image enhancement check box for a job and specify the pages or sheets to be affected. This option is located under the Image tab of the printer drivers and in the Job Properties window of Command WorkStation. You can customize Image Enhance settings from Command 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.

Select Face down for sheets delivered into the output tray with copies facing down, with normal order for the first sheet on the bottom of the stack, or reverse order for the first sheet on the top of the stack.

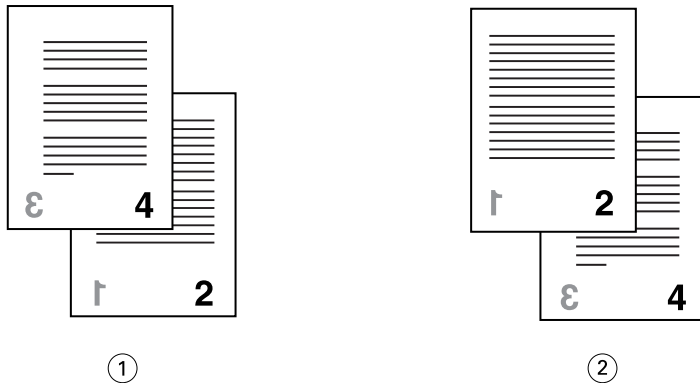


1 Face down - normal order

2 Face down - reverse order

Do the following for 2-sided (duplex) printing:

- 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 down - normal order

2 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.

## Print Duplex (double-sided) pages

1 In your application, do one of the following:

- On Mac OS X computers: Select File > Print, select the PS-17 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 PS-17 as your printer, click Properties, and then click the Layout icon.

**2** Select one of the Duplex settings:

- Head to head: 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.
- Head to toe: 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.

| Orientation | Head to head | Head to toe |
|-------------|--------------|-------------|
| 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.

**Note:** Punch can only occur on the lead or trail edge of the paper. The paper orientation may need be changed in the printer to accommodate all of the punch configurations.

| Punch setting | Portrait: Left | Portrait: Right | Portrait: Top | Portrait: Bottom | Landscape: Left | Landscape: Right | Landscape: Top | Landscape: Bottom |
|---------------|----------------|-----------------|---------------|------------------|-----------------|------------------|----------------|-------------------|
| 2 holes       |                |                 |               |                  |                 |                  |                |                   |
| 3 holes       |                |                 |               |                  |                 |                  |                |                   |
| 4 holes       |                |                 |               |                  |                 |                  |                |                   |

For information about finishers and other installable options, see printer driver help.

## User Authentication

If Users and Groups user authentication is configured in PS-17 Setup, you must enter a valid user name and password to send a print job to the PS-17.

In Command WorkStation, the management of jobs is determined by how you log on to the PS-17.

The print options associated with Users and Groups user authentication are as follows:

- On Mac computers: Click Job Info and type logon information in the User name and Password fields.
- On Windows computers: Click Job Info and 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*.