Quick Start Guide: Fiery proServer for EFI VUTEk

This document is a step-by-step guide on how to set up and use the EFI™ Fiery® proServer with your EFI VUTEk printer. It deals with the following topics:

> **IMPORTANT**

Make sure that you have correctly set up and licensed Fiery XF before performing the steps in this document. See the instructions provided in *EFI Fiery proServer Installation Guide*.

Connecting the network and printer to the Fiery proServer

The Fiery proServer has two network connectors on the back panel. The upper network connector is used to connect the Fiery proServer to your network. The lower network connector is used to connect the Fiery proServer to the printer. It is configured for network bridging and provides a dedicated 1 GB connection to the printer.
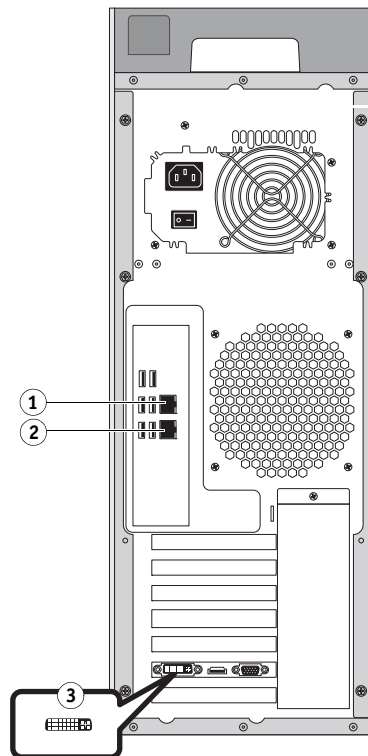

TO CONNECT THE NETWORK AND PRINTER TO THE FIERY PROSERVER

1 **Insert the network cable into the upper Ethernet connector on the back panel of the Fiery proServer.**

2 **Insert the printer cable into the lower Ethernet connector on the back panel of the Fiery proServer.**

Fiery proServer back panel

1 **Ethernet connector for network cable**

2 **Ethernet connector for printer cable**

3 **DVI connector for graphics adapter**

FIGURE 1:   Fiery proServer back panel

Setting up Fiery XF

The Fiery proServer ships with the Fiery XF server and client preinstalled. You can install the Fiery XF client on other computers and log on to the Fiery XF server that is installed on the Fiery proServer. For more information, see "Installing the Fiery XF client on a remote computer" on page 10.

Fiery XF starts automatically whenever you power on the Fiery proServer. If you exit Fiery XF for any reason, you can restart the program by double-clicking the Fiery XF client program icon on the desktop.

Media profiles

Media profiles are required in order to print. They describe the color reproduction properties of the printer for a specific media. The color reproduction properties are defined by the combination of media type, ink type, and print conditions. You can download the latest media profiles through Fiery XF Control.

TO INSTALL MEDIA PROFILES THROUGH FIERY XF CONTROL

1 In the Windows system tray, right-click the Fiery XF Control icon, and click Fiery XF Profiles Online Update.

The Profile Update Service dialog box appears.

2 Click Next.

3 In the "Manufacturer/Model" column, click EFI VUTEk or EFI VUTEk Advanced, depending on your printer model.

4 In the "Media Profiles" column, select the check box(es) for the media profiles that you want to install.

For some printer models, only one generic printer profile may be available. A generic printer profile is, in fact, a package that contains multiple profiles for different resolutions or for binary or grayscale.

5 Click Download to install the selected media profiles.

The default location is C:\ProgramData\EFI\EFI Media Profiles.

6 Click Finish.

7 Right-click the Fiery XF Control icon, and click Fiery XF Server Restart.

Wait for the Fiery XF Control icon to turn green before continuing with the following section.

Creating a system environment

After starting Fiery proServer, you can use the setup wizard in Fiery XF to create a basic system environment. A system environment consists of a workflow and an output device. You can customize it to suit your own specific requirements later in System Manager.

While using the setup wizard, you can either click "Go Back" to make additional changes, or "Finish Now" to save your settings and close the setup wizard.

TO CREATE A SYSTEM ENVIRONMENT

1 Open the Fiery XF client software by double-clicking the program icon on the desktop.

If the setup wizard does not automatically start, on the System menu, click Setup Wizard.

2 Click Continue at the Introduction window.

3 Under "Workflow, select "Production".

4 Under "Template", select an "EFI Inkjet Solutions" workflow template.

Each workflow template has been been pre-configured for either standard or maximum print quality and with color management settings that are typically used in either America or Europe. The "Description" area shows the recommended application for use and which standard icc profiles will be applied to jobs that are processed in that workflow.

5 Click Continue.

6 Under "Select a device", select "Create a new output device". Then, select "EFI VUTEk", and your device type.

7 Click Continue.

8 Select "File output" and specify an export folder. The default folder is E:\Export.

When you print to file, print files are saved in RTL and GIF format to the specified export folder. The GIF file is used to display a preview of the job on a VUTEk User Interface (VUI). GIF files can be opened in any conventional graphics program. Be aware that you require one Fiery XF VUTEk Printer Option for each VUTEk printer. If you need to set up more than one VUTEk printer, you require an additional license.

NOTE: If you have a JDF-compliant VUTEk printer and an appropriate Fiery XF license, you can also print via the JDF port. JDF enables bidirectional communication between Fiery XF and the printer. If JDF is set up for the Fiery XF workflow, Fiery XF can:

- Automatically transfer RTL print files to the VUTEk user interface (VUI)

- Transmit information about the current job status back to a print MIS device and to Fiery XF

- Receive information about media consumption and ink consumption from the printer

- Receive print-ready jobs from the print MIS device and submit them to the printer

Contact Fiery XF support if you are interested in implementing a JDF workflow. Be aware that your VUTEk printer must be JDF-compliant and must have the correct printer software version installed.

9 Click Continue.

10 Select the type of ink that is inserted in the printer, the name of the media you want to use, and a calibration set for the chosen media.

The calibration set defines a set of print conditions and ensures that the printer's behavior is adjusted optimally to the media.

11 Click Continue.

12 Select your media size.

13 Finish the setup wizard.

Your system environment is shown in System Manager. For more information on customizing workflow settings, see the Fiery XF online help.

Program windows

In System Manager, you define workflow settings and set up the printer. The workflow settings are applied by default to all jobs that you load in Job Explorer.

In Job Explorer, you import jobs, and print them. You can apply job settings to individual jobs. Job settings override the workflow settings.

To switch between program windows, click the appropriate tab located above the toolbar.

System configuration

The system configuration defines:

- User access to each workflow.

- Workflow settings that are applied to all jobs that are submitted to that workflow.

- Output device settings.

- Users

  Fiery XF is set up with two default users. The user "admin" (password: admin) is permitted to create, set up and manage system environments in System Manager and to print and manage jobs in Job Explorer. The user "guest" (password: guest) is permitted to print and manage print jobs in Job Explorer, but does not have access to System Manager.

- System environments

  A system environment consists of a workflow and an output device. You created your first system environment in the setup wizard when you started Fiery XF for the first time. The workflow is configured with the default settings from the workflow template you selected. For example, all jobs will be output in their original size and orientation. However, you can customize the workflow to suit your own specific requirements.

In System Manager, workflow and output device must be visibly connected by a black line. To connect one object with another, in the layout area, drag the mouse from the margin area of one object (e.g. workflow) across to the second object (e.g. output device). Make sure to drag from the margin area. If you drag from the center, it rearranges the order in which the objects are displayed.

Make sure that the system configuration is fully online. A fully online system configuration is indicated by green arrows from user through to output device. A red box means that that stage of the system configuration is offline. To set a system configuration fully online, click all the red boxes.

Setting a system configuration online
1   Online
2   Offline

You can copy a workflow and modify workflow settings without losing the current workflow.

TO COPY A WORKFLOW

1 In System Manager, click the workflow.

2 Press Ctrl + C to copy the workflow to the clipboard.

3 Press Ctrl + V to insert a copy of the workflow.

4 Set up the workflow as required.

Managing print files

The following procedures are intended to help you to manage your print files as efficiently as possible.

TO SET UP A HOTFOLDER

Hotfolders enable users, who do not have the Fiery XF client installed on their computers, to copy jobs to a centrally located folder. The hotfolder is routinely monitored by Fiery XF, and jobs that are placed in the hotfolder are loaded automatically into the Fiery XF workflow and processed according to the workflow settings.

1 In System Manager click the workflow. Set the workflow offline by clicking the green arrow at workflow entry.

The green arrow turns into a red box. A red box indicates that the workflow has been interrupted.

2 Click the workflow. Then, on the File tab, open the Job Detection pane.

3 Browse to the folder that you want to use as a hotfolder.

It is recommended that you use a local folder on the Fiery proServer.

Hotfolders must be set up for sharing to enable users to access them. It is recommended that you create a hotfolder that is a subfolder of a folder at root level on the hard disk — for example, D:\Jobs\Hotfolder or E:\Export\Hotfolder. Observe the following:

- To avoid unnecessary read/write access problems, do not create a hotfolder on the desktop.

- Do not select a folder that has been mapped as an internal link.

4 Set the workflow back online, by clicking the red box at workflow entry.

The workflow is now monitoring the hotfolder.

5 In the toolbar, click Save.

For more information on how to set up the hotfolder for sharing, see the Fiery XF online help.

To transfer RTL print files manually to the Import folder of the VUTEk User Interface (VUI)

When you print to file, the RTL print files are saved to the export folder that you defined in the setup wizard. You then have to transfer these files to the Import folder that has been set up for the VUI.

The easiest way to transfer the files is to create a shortcut to the Import folder on the Fiery proServer desktop.

To create a shortcut to the Import folder

1 **Click Start, right-click Computer, and click Map network drive.**

2 **Specify the drive letter for the connection and the folder that you want to connect to.**

3 **Type the location of the shared folder, using the following syntax:**

\\Printer_IP_Address\Import

4 **Select "Connect using different credentials".**

5 **Click Finish.**

The Windows Security window is displayed.

6 **Type the VUTEk credentials.**

Both the user name and the password are vutek01.

7 **Select "Remember my credentials", and click OK.**

Windows sets up a connection to the Import folder, and the mapped drive appears in Windows Explorer. To create a shortcut on the Fiery proServer desktop, click Start, click Computer and drag the mapped drive to the desktop.

Importing a job and making job settings

By default, jobs are printed using the settings that have been made for the workflow. You can override the workflow settings by applying job-specific settings to a loaded job. The following steps give examples of how to load a job and make basic job settings. To make job settings, you must click the job in the job list.

To import a job and make job settings

1 **In the toolbar, click Job Explorer.**

2 **In the toolbar, click Import Job.**

3 **Browse to your job, and click Open.**

4 **In the Import to dialog box, click Hold Job.**

Held jobs are not immediately processed in Fiery XF. After you have made job settings, you can start job processing manually.

5　**To rotate a job: In the preview window, right-click the preview, point to Rotate and click an item.**

6　**To scale a job: In the preview window, right-click the preview, point to Scale, point to Fit to, and then click Sheet Width.**

7　**To align a job on the sheet: On the Layout tab, open the Layout Options pane. Select an alignment by clicking the appropriate cell in the diagram. Define job margins, if required.**

8　**To select a different calibration set: On the Output tab, open the Media Configuration pane. Under "Calibration set", select a calibration set.**

A calibration set is a combination of base linearization file and ICC profile. Fiery XF provides a variety of calibration sets for EFI VUTEk media.

You can create copies of output devices and select different default calibration sets for each. This can be useful if a hotfolder has been explicitly set up for a certain media type.

9　**To change or remove the job ticket: On the Layout tab, open the Job Ticket pane.**

10　**To nest several jobs: Import the jobs. Hold down <Ctrl>, and click the jobs in the job list. Then, in the toolbar, click Create Nesting.**

You can apply uniform page scaling, select a page orientation, and define the amount of space between nested pages, etc. On the Layout tab, open the Nesting pane. When you have made your settings, click Apply to update the preview.

You can define how the nesting is aligned on the sheet. On the Layout tab, open the Layout Options pane. Select an alignment by clicking the appropriate cell in the diagram.

11　**To tile a job: Import the job. On the Layout tab, open the Tiling pane. On the pane bar, select the check box to activate the settings.**

You can define a tile size, an overlapping margin, and overlapping marks, etc.

You can omit tiles from the job — for example, to exclude the door area of a wall tiling. You can also process and print selected tiles only (which excludes all other tiles from the job). In the preview window, right-click one or more tiles and click the appropriate item: Do Not Print or Print Tile Immediately.

You can display a WYSIWYG preview of one or all tiles by clicking Tiling Preview. Displayed tiles are overlaid with the tile number. The tile numbers of the surrounding tiles are also displayed. You can save the preview as a PDF file and use it as a guide to help you to piece the tiles together after printing.

12　**To review or modify spot colors: On the Color tab, open the Spot Colors pane.**

You can change spot color definitions. In the table, in the "Map to" column, select a different spot color. In the toolbar, click Save. The preview is updated accordingly.

For each spot color you can review the combination of CMYK inks that is sent to the printer. In the table, in the "Source" column, select "InkJet" to display the spot color in CMYK values. You can modify these values. In the toolbar, click Save. The preview is updated accordingly.

13 To cut jobs with additional devices: set up i-Cut cutter, Zünd Cut Center, or a supported print-and-cut device.

In System Manager, in the layout area, click the workflow. On the Finishing tab, open the Cut pane. On the pane bar, select the check box to activate the cutter settings, and then configure your cutter device with a selected cutter manufacturer and device. For more information, see the Fiery XF online help, or visit https://Inkjet.support.efi.com.

14 In the toolbar, click Save.

You can now process and print the job.

15 In the toolbar, click Print.

Implementing third-party media profiles

You can use any third-party CMYK/OG media profile in Fiery XF by connecting it to an existing base linearization file.

TO IMPLEMENT A THIRD-PARTY MEDIA PROFILE IN FIERY XF

1 In the toolbar, click Color Tools.

You must set up a valid linearization device before you can start Color Tools. For more information on setting up the linearization device, see the Fiery XF online help.

2 Click Profile Connector.

3 Under "Printer linearization", click Select and browse to the EFI Media Profiles folder.

4 Open the folder for your printer, and open the subfolder for the media type and resolution that most closely matches the properties of the third-party media profile.

5 Under "Media type", type the name of the media.

This is the name that will appear in Fiery XF.

6 Under "Connect to profiles", select "Media profile". Then click Select, browse to the third-party media profile, and click Open.

7 Click OK.

You can now select the profile in Fiery XF.

TO SELECT A THIRD-PARTY MEDIA PROFILE IN FIERY XF

When the profile has been connected to a base linearization file, you can select it for the workflow.

1 In System Manager, click the EFI VUTEk output device.

2 On the Media tab, open the Print Configuration pane.

3 Under "Calibration set", select the base linearization file that you selected in Profile Connector.

Installing the Fiery XF client on a remote computer

You can install the Fiery XF client on a remote computer and log on to the Fiery XF server that is installed on the Fiery proServer. The following operating systems are supported:

- Windows 7 (32 bit and 64 bit)

- Windows 8 (32 bit and 64 bit)

- Windows 8.1 (32 bit and 64 bit)

- Windows 2012 Servers (32 bit and 64 bit)

- Macintosh OS X 10.7, 10.8, 10.9

TO INSTALL THE FIERY XF CLIENT ON A REMOTE COMPUTER

1 **Insert the "Fiery proServer 6.0 User Software" DVD into the DVD-ROM drive of the remote computer.**

This DVD contains the Fiery XF software.

2 **Do one of the following:**

- For Windows, the start screen opens automatically. If the start screen does not appear, display the contents of the DVD, and double-click the Start.exe file.

- For Macintosh, double-click the drive icon to mount the DVD.

3 **Click Install Fiery XF Client, and follow the on-screen instructions.**

You are now ready to log on to the Fiery XF server.

TO LOG ON TO THE FIERY XF SERVER FROM A REMOTE COMPUTER

1 **Make sure that the Fiery XF server is running on the Fiery proServer.**

2 **On the remote computer, start Fiery XF.**

3 **On the File menu, click Login.**

4 **In the Login dialog box, enter a user name and password.**

The default login information is:

Login: admin

Password: admin

5 **Select the IP address of the Fiery proServer.**

6 **Click OK.**

Installing Cut Server

Cut Server enables you to cut register marks with a wide range of cutters and routing tables, thus eliminating the need to work with different software applications for each cutter.

TO INSTALL CUT SERVER

You can install Cut Server on any Windows computer. The Fiery XF server does not have to be installed on the same computer.

1 **Insert software DVD 1 into the DVD-ROM drive of a Windows computer.**

2 **In the Autoplay screen, click Install Fiery Cut Server, and follow the on-screen instructions to complete the installation.**

3 **Install the Cut Server license on the Fiery proServer.**

Backing up and restoring a complete Fiery XF system configuration

A Fiery XF system configuration backup saves:

- The Fiery XF server configuration

- All user settings

- All workflow settings, including selected presets, base linearization files, spot color tables, and profiles

- All output device settings

- All media mappings

NOTE: You can also back up the Fiery proServer system, which includes the full operating system and all the data saved to the hard disk. For more information, see "Backing up and restoring the Fiery proServer system" on page 13.

TO BACK UP A FIERY XF SYSTEM CONFIGURATION

1 **In System Manager, on the File menu, click Backup.**

The Fiery XF Backup dialog box opens.

2 **Select the check boxes of the items you want to back up.**

The server configuration is saved by default.

3 **Define a backup location.**

System configuration backups are saved to two destinations: the Backup folder and the desktop. To change the second destination, click Select and browse to a new location.

4 **Click Save.**

A dialog box appears when the backup has been successfully completed.

5 **Click OK to complete the backup procedure.**

TO RESTORE A FIERY XF SYSTEM CONFIGURATION

1 **In System Manager, on the File menu, click Restore.**

2 **Browse to the backup file.**

3 **Click OK.**

   A dialog appears when the restore has been successfully completed.

4 **Click OK.**

5 **Restart the Fiery XF Server to view the restored system configuration.**

Backing up and restoring a single environment

A workflow environment backup saves:

- All workflow settings, including selected profiles, presets, base linearization files, and spot color tables

- The printer setup, excluding the port configuration

A job environment backup saves:

- All job settings, included custom settings that you have applied.

TO BACK UP AN ENVIRONMENT

1 **Do one of the following:**

- In System Manager, click the workflow to be saved.

- In Job Explorer, in the job list, click the job whose settings you want to save.

2 **On the File menu, click Save as Environment.**

   The Save as Environment dialog box opens.

3 **Define a backup location.**

   Environment backups are saved to two destinations: the Environments folder and the desktop. To change the second destination, click Choose and browse to a new destination.

4 **Click Save.**

   A dialog box appears when the backup has been successfully completed.

5 **Click OK to complete the backup procedure.**

TO RESTORE AN ENVIRONMENT

   Environments can be restored only in System Manager.

1 **On the File menu, click Import Environment.**

2 **Browse to the backup file.**

3 Select "Allow overwriting", if desired.

If you select this check box, only files with unique names are restored. Otherwise, all existing files of the same name are overwritten.

4 Click OK.

A dialog appears when the restore has been successfully completed.

5 Click OK.

Backing up and restoring the Fiery proServer system

You can back up the Fiery proServer system, which includes the full operating system and all the data saved to the hard disk but not, however, the RTL files that reside in the Export folder due to their size.

Creating a backup of your current Fiery proServer system enables you to restore the system to an earlier state without having to return it to its factory settngs. It is recommended that you regularly create backups of your Fiery XF system configuration in case you need to return the Fiery proServer system to an earlier state. For more information, see "Backing up and restoring a complete Fiery XF system configuration" on page 11.

For more information on backing up and restoring the Fiery proServer system, see the *Fiery proServer User Guide*.