



HP Panther1.5

This document bridges the gap between the Fiery XF documentation and the HP Panther 1.5 documentation.

Refer to the Installation section before you connect the printer to a computer. The Operation section has information on profile generation and everyday use.

Please refer also to the documentation shipped with your printer, which you can also get in following websites.

<https://support.hp.com/us-en/product/hp-designjet-z6810-production-printer-series/21355100/manuals>

<https://support.hp.com/us-en/product/hp-designjet-z6610-production-printer/21355099/manuals>

Printer Configuration

Install Fiery XF 7.1 with update 7.1.2 or later. The Fiery XF drivers are available only for the Windows server.

The printer driver supports the printers: HP Panther 1.5.

Fiery XF Model	Description
HP DesignJet Z6610 (60 inch) CT HP DesignJet Z6810 (42 inch) CT HP DesignJet Z6810 (60 inch) CT	• This is a CMYK model driver. Only Contone data is sent to printer. • There are no profiles for this printer and user needs to create one before printing.
HP DesignJet Z6610 (60 inch) RGB HP DesignJet Z6810 (42 inch) RGB HP DesignJet Z6810 (60 inch) RGB	• This is an RGB model driver. Only Contone data is sent to printer. • There are profiles for this printer. The profiles are available with HP but can be downloaded by driver from the printer. User can download the auto created EPLs with the ICC profile and print.

System requirements

- The driver is only available for Windows.
- Products based on Fiery XF technology: EFI Fiery XF 7.1
- As license, you need XF Output Option XXL
- Windows blocks ports if it considers a network as 'Public'. The following outgoing TCP ports shall not be blocked by a firewall:
 - 80, 8085, 8086, 8090, 9100.

Configuring the XF output device the first time

1. Turn the printer ON.
2. In Fiery Command WorkStation, do the following:
 - a. Right click the server and click **Server Manager**.

- b. In **Server Manager**, click the **Add** button to add a device.



3. Configure IP address and click **Finish**.
4. Wait for a minute and restart the server.
5. After restart, if printer is connected and not offline, epls and icc profile will be created automatically by hitting the **Download** button under **Profile Synchronization** Section in the **Special Settings**. There will be some ICC profiles linked with those epls. Use one of the ICC profile available from HP for the RGB model or create one for CMYK model and link that ICC profile with the EPL you want using Color Tools.
6. Select the epl you want and print anything.
It should print without fail.
7. Now your Fiery XF system is ready.

Media source setup

Following options are available for media source for this model:



Server restart requirement

Restart the server to use Color Tools after you change the media information from the printer or using the DesignJet utility. If you want to create a new Calibration using Color Tools, then Color Tools requires the server to be restarted to use the new media information.

Operation

You can manage media profiles using the HP DesignJet Utility. The HP DesignJet Utility enables you to manage your printer or printers from a computer with a TCP/IP connection.

The XF printer driver reads the media information from the printer and creates XF Calibration sets for all media types found on the printer.

Device connection and configuration

The XF printer driver automatically retrieves information per configured IP address. For all bidirectional data acquired from the printer, there is a backup file in the XF server's data folder. The names of these backup files follow the scheme HpPrinter_Type_IPaddress_.xml, e.g. HpPrinter_MediaInfo_10.210.116.45_.xml.

The XF printer driver creates the XF Calibration sets in the folder, e.g.

“C:\ProgramData\EFI\EFI Media Profiles\Automatic_10_210_116_45”, and writes all output into this folder.

When you upgrade the printer or make changes to media information in printer, do the following:

1. Click the **Download** Button under the **Profile Synchronization** Section and wait for a couple of minutes for driver to download updated media information.
2. Wait for a minute for new epls to be created as per new media information downloaded.

Margin settings

Following margins are supported as standard:

Roll Margins	(mm)
Top	5
Bottom	5
Left	5
Right	5

Media Type

The media type is the most important key to a number of important settings. The list of available media types comes from the latest media information that the XF printer driver has acquired from the printer.

Resolutions

Following rendering resolutions are supported for these printers:

- 300 x 300
- 600 x 600
- 1200 x 1200

These resolutions are contone data resolutions and affect only the level of detail. The actual print resolution is higher

Print Mode

Print mode is the key to select print quality settings.

The print mode names in these drivers are formatted as follows.

(Quality)|Pass (PassCount)| Bpp (Bit per pixel)| Sp (Speed)| (Direction)

AUTOSELECT|Pass 2|Bpp 1|Sp 40|bidir

▼

SPECIAL SETTINGS

Printer information

Driver status

2019-07-13-09-03-02: Printer offline

Media details

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Profile synchronization

Download

Cut

Mode:

Autocut on ▼

Calibration

Mode:

Printer ▼

Printer warm-up

Warm-up

- **Cut:** If auto cut is ON, then a printer will cut the media after job is printed. Else, media won't be cut. Default value is ON.
- **Calibration:**
 - If calibration is Standard, the job will be processed with a sRGB profile and printer will do the color management and print.
 - If calibration is Printer, RIP expects that user has linked correct ICC profile for given media as it is available from HP or created by user. Default value is Printer means that the color management is done by RIP.
- **Warmup:** Clicking this button will warmup and make ready all components of the printer.
- **Printer Information:** This section provides information regarding printer status i.e. Online/Offline & Media Details which provides Loaded Media Status Information.

1. Before you start, do the following:
 - Refer to the operation manual of the printer for useful links. Media manufacturers sell specific media for HP DesignJet printers.
 - Perform the usual image quality maintenance tasks.
2. Create a custom media.

In the HP DesignJet Utility, you can create a new media profile entry for your medium. You can also clone an existing entry and modify it.

Once you have created the custom media and print modes, please wait for a couple of minutes for media information to download. Then delete the automatic folder and wait for a minute for new epls to be created.

3. Create the ICC profile.

There are several ways to create the ICC profile.

- Create a portable ICC profile on the printer.
You can create the ICC profile on the printer during the creation of the media profile entry as described above. The ICC profile is a property of the media that is part of the media profile entry.
- Create an ICC using external spectrophotometer.

In Color Tools, start with Create Calibration, select the measuring device from the Measuring device list. Once print is done, start the measurement manually, and it8 file will be created at the end of measurement. Then create media profile.