EPSON SureColor SC-F6400 / F6400H Series Contone Driver

This document describes the supported features and options of the EPSON SureColor SC-F6400 / F6400H Series contone driver for Fiery XF.

Supported printers

Regional variants of EPSON SC-F6400 Series SC-F6400H Series:

- EPSON SC-F6400(H) (Europe, Middle East, Africa, Former republics of the Soviet Union)
- EPSON SC-F9430(H) (Indonesia, Malaysia, Philippines, Singapore, Thailand, Vietnam, Pakistan, Myanmar, Cambodia, India, Bangladesh, Sri Lanka, Nepal, Republic of Maldives, Taiwan)
- EPSON SC-F9440(H) (Korea)
- EPSON SC-F9450(H) (Japan)
- EPSON SC-F9460(H) (Australia, New Zealand)
- EPSON SC-F9470(H) (USA, Canada, Central & South America)

Ink configurations

Printer	Ink Configuration	Fiery XF Driver
SC-F6400 Series	CMYK	EPSON SC-F64x0 CT
SC-F6400H Series	CMYK + LcLm	EPSON SC-F64x0H LcLm CT
	CMYK + OrVi	EPSON SC-F64x0H OrVi CT
	CMYK + FpFy	-

SC-F6400H Series notes:
- The ink configuration of the printer is defined when loading the first ink. After that, the customer cannot change the configuration.
- The Color Mode of the driver is CMYK.
- The ink configuration CMYK + FpFy is NOT supported.

License
You require a license for the Printer Option Group 4

Technical specifications

Item	SureColor SC-F6400 Series SureColor SC-F6400H Series
Print head	1.33-inch PrecisionCore MicroTFP Head, 300dpi SC-F6400 Series: 800 nozzles per color SC-F6400H Series: 400 nozzles per color
Printer width	44 inches
Ink set	SC-F6400 Series: Epson UltraChrome DS (C/M/Y/HDK) SC-F6400H Series: Epson UltraChrome DS 6 (C/M/Y/HDK + LC/LM or FP/FY or OR/V)
Print resolutions	300x600 600x600 600x1200
Custom paper setting	Epson Edge Dashboard software manages custom paper settings.
Auto adjustment	PF, bi-d adjustment

Connection
100Base-TX, 1000Base-T. Print via TCP port 9100

Media source
- Roll

Preparation

Before you can use the Epson SureColor printer in the EFI RIP software, you must first install and set up Epson Edge Dashboard. Go to www.epson.sn to download and install the latest printer driver and Epson Edge Dashboard.

After installing the software, register your printer using the Epson Edge Dashboard. For more information on printer registration, see the Epson documentation.

If everything is set up correctly it should look like this:

The next step is to download the media settings. You can do this by clicking Media Settings in Epson Edge Dashboard:

Once you have the media settings in the Source (Local Media Library), the next step is to send the data from the Source (Local Media Library) to the Target (the printer).

You can perform the following operations from this screen:

- Download print setting files (EMX files) provided by Epson

- Register media settings in the EMX file to the printer

- Edit parameters

For more detailed information, see the documentation provided by Epson.
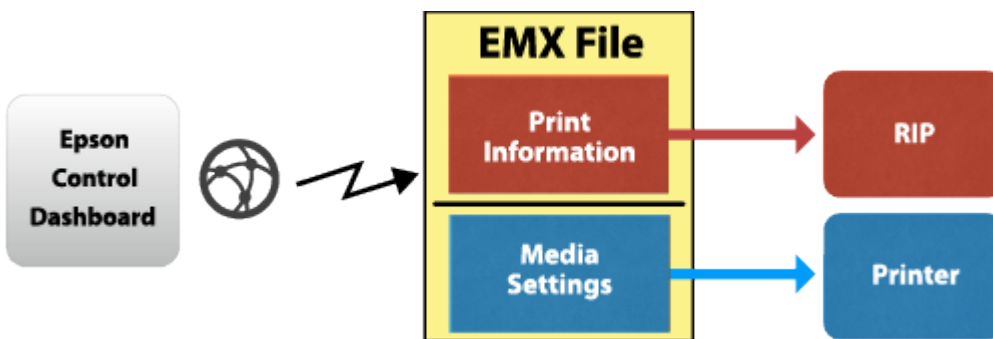
After the media are registered in the printer, the system is ready to use with the EFI RIP software.

Integration into Fiery XF

Initially, only a generic media list is available in Fiery XF, even though a local media library is displayed on the Epson Edge Dashboard.

Media list from printer

To transfer the media list to Fiery XF, set up the output device in Fiery XF for the appropriate printer model, including the IP address. As soon as you save your settings, all the available media information and ICC profiles from the Target (printer) list are downloaded using Epson Edge Dashboard.

Next, Fiery XF creates EPL files for each media registered in the printer. This process can take some time, and depends very much on your PC. Wait at least one minute before checking the media list. If the list does not appear, restart the Fiery XF server.

Media List from EMX file

Alternatively, you can drop an EMX file into this folder:

C:\ProgramData\EFI\EFI XF\Server\Temp\EpsonEmxHotfolder

Like for the printer, media information and ICC files will be downloaded from the Dashboard and EPL files will be created.

This is useful if another Dashboard is already connected to the printer but that Dashboard is not accessible. It works even without a Comm driver.
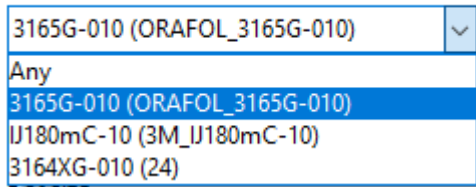

No Media List at all

The Fiery XF printer driver supports three generic media types:
- Thin paper – Fabric
- Thick paper – Fabric
- Thick Paper – Rigid

You can create your own profiles using these generic media types. This is the counter part of Easy Media Setup on the printer panel.

The screenshot below shows an example how registered media types for a SureColor F9300/F9400 are displayed in Fiery XF:

Media name

| 3165G-010 (ORAFOL_3165G-010) | ⌄ |

Any
3165G-010 (ORAFOL_3165G-010)
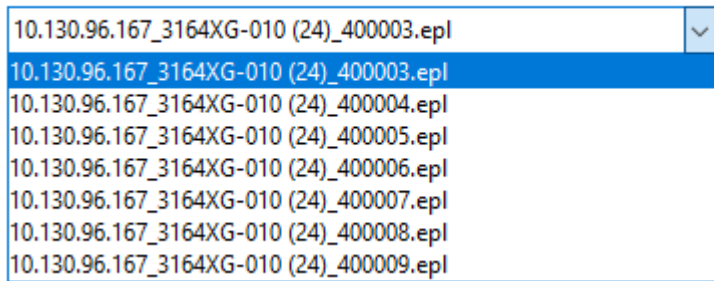IJ180mC-10 (3M_IJ180mC-10)
3164XG-010 (24)

The last entry is from Custom Paper Setting 24 of the printer. This number appears in the main screen on the printer's control panel. The name is the same as shown on the printer's control panel media menu. The other entries are from EMX files. In that case the file name minus the initial "S40 " is shown in parentheses.
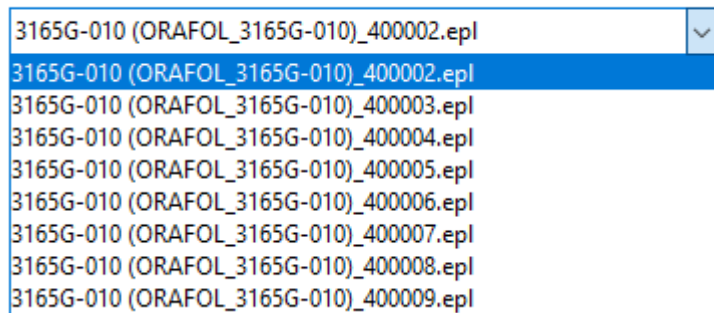
You can now select one of the downloaded, registered media. Depending on the selected media, multiple EPLs may be available. You can see if it is from the printer…

… or from an EMX file:

Resulting Calibration(s)

| 10.130.96.167_3164XG-010 (24)_400003.epl | ⌄ |

10.130.96.167_3164XG-010 (24)_400003.epl
10.130.96.167_3164XG-010 (24)_400004.epl
10.130.96.167_3164XG-010 (24)_400005.epl
10.130.96.167_3164XG-010 (24)_400006.epl
10.130.96.167_3164XG-010 (24)_400007.epl
10.130.96.167_3164XG-010 (24)_400008.epl
10.130.96.167_3164XG-010 (24)_400009.epl

Resulting Calibration(s)

| 3165G-010 (ORAFOL_3165G-010)_400002.epl | ⌄ |

3165G-010 (ORAFOL_3165G-010)_400002.epl
3165G-010 (ORAFOL_3165G-010)_400003.epl
3165G-010 (ORAFOL_3165G-010)_400004.epl
3165G-010 (ORAFOL_3165G-010)_400005.epl
3165G-010 (ORAFOL_3165G-010)_400006.epl
3165G-010 (ORAFOL_3165G-010)_400007.epl
3165G-010 (ORAFOL_3165G-010)_400008.epl
3165G-010 (ORAFOL_3165G-010)_400009.epl
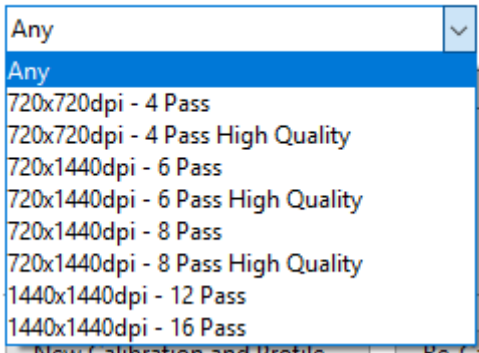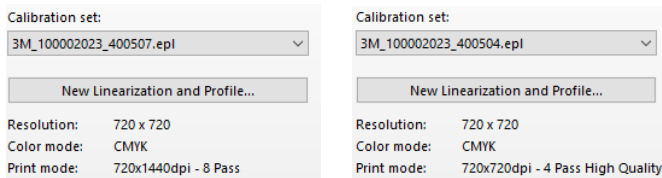
The Print mode list box shows the print modes by name:

Every EPL represents a different combination of printer resolution and print quality, such as illustrated in the screenshots below:

Note: There is no need to repeat the procedure for additional media downloaded through Epson Edge Dashboard. You just need to make sure that the downloaded media is registered properly at the Epson printer itself using Epson Edge Dashboard.

Printing

The User's guide asks you to choose the media setting number once you have loaded the media. In our example above it would be setting 24. This setting will be used. The Fiery XF driver will NOT change the media setting number of the printer (as opposed to versions of Fiery XF prior to 7.2.3).

Then choose a matching media type in Fiery XF:

- If you have registered the EMX on the printer, choose the media type which has the number in parentheses, e.g. "3164XG-010 (24)"
- If you have just the EMX file, choose the media type which should be most close to what is on the printer, e.g. "3165G-010 (ORAFOL_3165G-010)"

Mirror

This checkmark activates horizontal mirroring of the print data. The mirroring is applied to the whole print data, including footer and marks.

FAQ

Question	Answer
Can I use Fiery XF without Epson Edge Dashboard	Yes. But Epson Edge Dashboard gives you access to a big library of profiles. Epson Edge Dashboard must be either installed on the same computer or accessible in the same network (exactly one installation)
Can I use EMX files	Yes of course
Can I take a generated EPL and create my own ICC profile?	Yes, if you have media types populated from Dashboard.
Can I create an EPL in Color Tools and create my own ICC profile?	Yes, if • You have chosen an EPL for the same media type in System Manager. Ink density from that EPL will go into your new EPL. • You see a list of media types in Color Tools. If you don't see media types, they are not yet populated from Dashboard. • You choose the media type from that list. **The EPL from Color Tools will fail if it does not have a media type from Dashboard.**
If the media setting on the printer was created only at the printer (using Easy Media Setup), not by Dashboard: Can I create an EPL in Color Tools and create my own ICC profile,?	Yes. Use the same generic media type that you use on the printer side.
Can I take my calibration sets to another Fiery XF?	Not directly. Export the EMX file and media settings and register those on the other printer. Then you will get calibration sets with same content and have your settings on the printer. Once that is established, you can also use calibration sets you created yourself.

Media types

The following section lists all the available generic media types.

Note: The EPLs created from the files downloaded through Epson Edge Dashboard do not always support all the combinations listed below.

Media type	Resolution and print quality	
	F6400	**F6400H**
Thin paper - Fabric	300x600dpi 1.1pass draft 300x600dpi 1.1pass 300x600dpi 1.5pass 300x600dpi 2.3pass 600x600dpi 2.1pass 600x600dpi 3.0pass 600x600dpi 4.0pass 600x600dpi 4.0pass HD	300x600dpi 2.1pass 300x600dpi 3.5pass 600x600dpi 4.7pass 600x600dpi 6.3pass 600x600dpi 6.3pass HD 600x600dpi 8.5pass 600x600dpi 8.5pass HD
Thick paper - Fabric	300x600dpi 1.1pass draft 300x600dpi 1.1pass 300x600dpi 1.5pass 300x600dpi 2.3pass 600x600dpi 2.1pass 600x600dpi 3.0pass 600x600dpi 4.0pass 600x600dpi 4.0pass HD 600x1200dpi 6.0pass 600x1200dpi 6.0pass HD 600x1200dpi 8.0pass 600x1200dpi 8.0pass HD	300x600dpi 2.1pass 300x600dpi 3.5pass 600x600dpi 4.7pass 600x600dpi 6.3pass 600x600dpi 6.3pass HD 600x600dpi 8.5pass 600x600dpi 8.5pass HD 600x1200dpi 12.9pass 600x1200dpi 12.9pass HD
Thick Paper - Rigid	600x1200dpi 6.0pass 600x1200dpi 6.0pass HD 600x1200dpi 8.0pass 600x1200dpi 8.0pass HD	600x600dpi 8.5pass (LcLm only) 600x600dpi 8.5pass HD (LcLm only) 600x1200dpi 12.9pass 600x1200dpi 12.9pass HD