EPSON SureColor P9500/P7500 Series CT/RGB Driver

This document describes the supported features and options of the EPSON SureColor P9500/P7500 CT/RGB printer driver for Fiery XF

System Requirements

The following overview informs you about the **minimum** required Fiery XF server, Fiery Command WorkStation and Color Profiler Suite versions for full support of this printer.

Fiery XF Server	Fiery Command Workstation	Fiery Color Profiler Suite
Fiery XF 7.1.4 and higher	CWS 6.4.0.500 and higher	CPS 5.3.0.12 and higher

Proofing Mode

In Autumn 2020 Epson introduced an update of printer firmware and SDK components. The update adds the following features to the printer:

- Maximum input resolution **1200 dpi** is available for printer resolutions 1200x1200 and 2400x1200 regardless of media type. Before the update, only proofing media supported up to 1200 dpi.
- Print Quality **Proofing**. This quality reproduces more precise small texts than **Quality**. It is available for Proof and Photo papers.

Proofing Mode Update Warning:

EPSON has changed the printer firmware to support the new feature.

- The new firmware supports our existing software. New means LK27K8 / LL27K8 or later, e.g. LK01KA / LL01KA. The old firmware is not compatible and will eject blank paper. This happens even for existing print qualities.

Please look at this compatibility chart:

Fiery XF Installation	Old printer firmware	New printer firmware	Proofing Mode features	Comment
7.1.4 – 7.2.x	OK	OK	No	Regular updates of Fiery XF 7.2 will not break the function with old printer firmware.
7.2.x (e.g. 7.2.1) Plus Addon	**FAIL**	OK	**Yes**	**Fiery XF 7.2 Epson SC P7500 9500 Addon** installer adds the necessary modules to a Fiery XF 7.2.x installation so you can use the new feature. **You must update the printer firmware.**
7.3	**FAIL**	OK	**Yes**	Fiery XF 7.3 onwards supports the feature from the beginning. **You must update the printer firmware.**

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Supported Printer

I. **EPSON SC-P75x0** (appearance in Fiery XF) supports:

- EPSON SC-P7500 (Europe, Middle East, English Speaking Africa, Israel)
- EPSON SC-P7570 (USA, Canada, Central & South America)
- EPSON SC-P7560 (Australia, New Zealand)
- EPSON SC-P7540 (Korea)
- EPSON SC-P7530 (Indonesia, Malaysia, Philippines, Singapore, Thailand, Vietnam, Pakistan, Taiwan, Myanmar, Cambodia, India, Bangladesh, SriLanka, Nepal, Republic of Maldives)
- EPSON SC-P7580 (China, Hong-Kong)
- EPSON SC-P7550 (Japan)

II. **EPSON SC-P95x0** (appearance in Fiery XF) supports:

- EPSON SC-P9500 (Europe, Middle East, English Speaking Africa, Israel)
- EPSON SC-P9570 (USA, Canada, Central & South America)
- EPSON SC-P9560 (Australia, New Zealand)
- EPSON SC-P9540 (Korea)
- EPSON SC-P9530 (Indonesia, Malaysia, Philippines, Singapore, Thailand, Vietnam, Pakistan, Taiwan, Myanmar, Cambodia, India, Bangladesh, SriLanka, Nepal, Republic of Maldives)
- EPSON SC-P9580 (China, Hong-Kong)
- EPSON SC-P9550 (Japan)

Specification Summary

Item	SC-P95x0/75x0
Printer Width	24 / 44 inches
Ink Set	**EPSON ULTRACHROME HCD2 INK K3 set:** MK/PK/GY/LGY/C/LC/VM/VLM/Y/GR/OR/V
Black Overcoating	Optical density improved with black overcoating in RGB color mode (not available in CMYK color mode)
Paper Source	Roll paper feeder (spindle less, 2 and 3in. core) Cut sheet loader (automatic loaded, sheet by sheet)
Media type	Roll paper, Cut sheet, Board paper
Media Size	Paper width(44in. model) : 254 - 1118mm Paper width(24in. model) : 254 - 610mm Max. roll paper diameter : 103mm (2in. core), 150mm (3in. core) Paper thickness : 0.08 - 0.5mm(Roll paper)
I/F	USB 2.0 10Base-T/100Base-T/1000Base-T
HDD unit	Optional equipment
Cutting	Automatic rotary cutter
SpectroProofer	Available ILS30EP

Color Mode

- CMYK
- RGB

Ink Configuration

- EPSON Ultrachrome PRO 12

Supported New ControlStrips

- Fogra MediaWedge V3.0 XE 3Z (EPSON Px5x SpectroProofer ILS30).tif
- Fogra MediaWedge V3.0 XE 2Z (EPSON Px5x SpectroProofer ILS30).tif
- Fogra MediaWedge V3.0 XE 1Z (EPSON Px5x SpectroProofer ILS30).tif
- JapanColor 54ControlStrip_EPSON_Px5x_ILS30EP_2lines.tif
- JapanColor 54ControlStrip_EPSON_Px5x_ILS30EP_1line.tif
- IDEAlliance ISO 12647-7 Control Wedge 2013 (EPSON Px5x ILS30EP 3rows).tif
- IDEAlliance ISO 12647-7 Control Wedge 2013 (EPSON Px5x ILS30EP 2rows).tif

Supported Options (Valid for all printers of this supplement)

- Print direction
  - Uni-directional
  - Bi-directional
- Media suction
  - Use printer default
  - -1
  - -2
  - -3
  - -4
- Printer dryer
  - 0..100 Minutes
- Auto cut
  - Autocut On
  - Autocut Off
  - Print horizontal line
- Borderless
  - On
  - Off
- Black Overcoating
  - When using the RGB color mode
  - Media type must be prepared for black overcoating (see table)

  If the driver is in CMYK or the media type is not prepared for black overcoating, the overcoating will not take effect. A warning message is shown (“MediaType does not support Overcoating”), if driver is in correct color mode, but media does not support Overcoating

- Measurement settings for verification (ILS30)
  - M0 - UV included
  - M1 - D50 UV included
  - M2 – UV cut

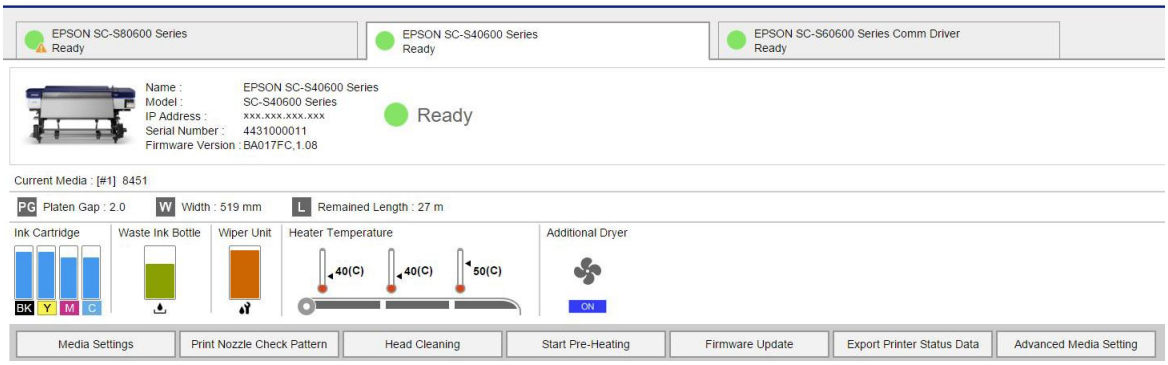
- Paper Edge Quality
  - Standard – Best speed and media use
  - Add top margin – Improves print quality at top of image
  - Optimize media edge print quality – Uses only one print head for highest quality
- Ink density adjustment (Fiery XF 7.3.3)
  - Range is -80% .. +50% => factor 0.2 .. 1.5 (20%..150%)
  - Default value is 0% (no adjustment)
  - Set this value in Server Manager before you start Color Tools to create a calibration – in this case the value will be embedded in the new EPL file which you create.
  - Each time you choose a calibration in Server Manager or Job Editor, the adjustment value will be set from the calibration's EPL. Older EPL files will set the value to 0%.
  - EPLs created with active adjustment (other than 0%) will print with wrong colors if used in older versions of Fiery XF.

Support for Epson Edge Dashboard

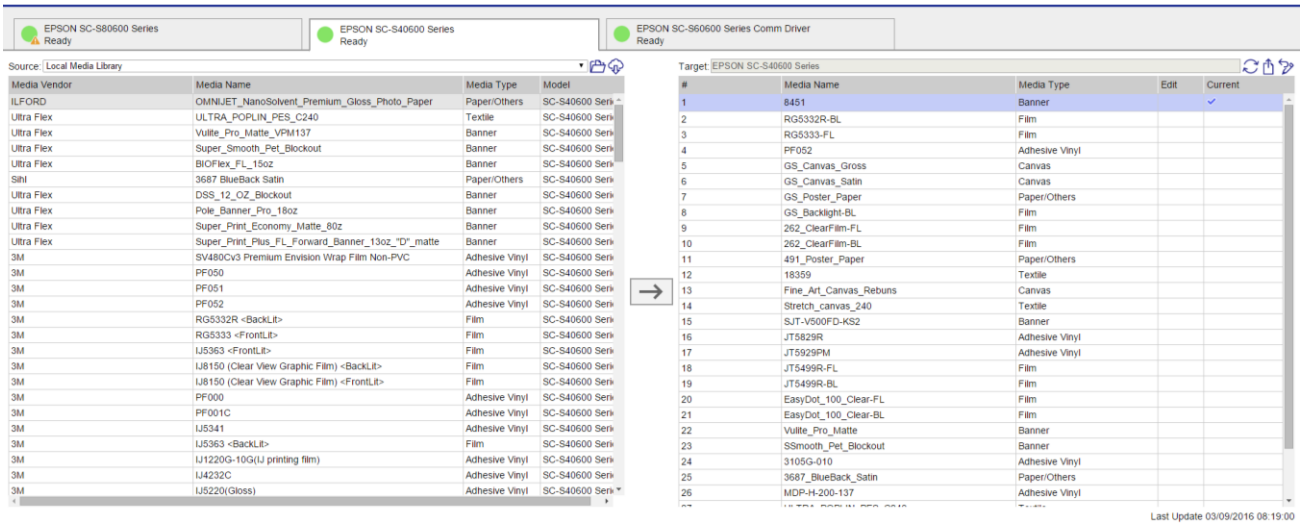
If you want to use the media settings in the Epson Edge Dashboard\Epson SureColor printer in the FIERY RIP software, you must first install and set up Epson Edge Dashboard. Go to www.epson.sn to download and install the latest printer communication driver and Epson Edge Dashboard.

After installing the software, register your printer using the Epson Edge Dashboard. It is possible to register up to four printers. 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.

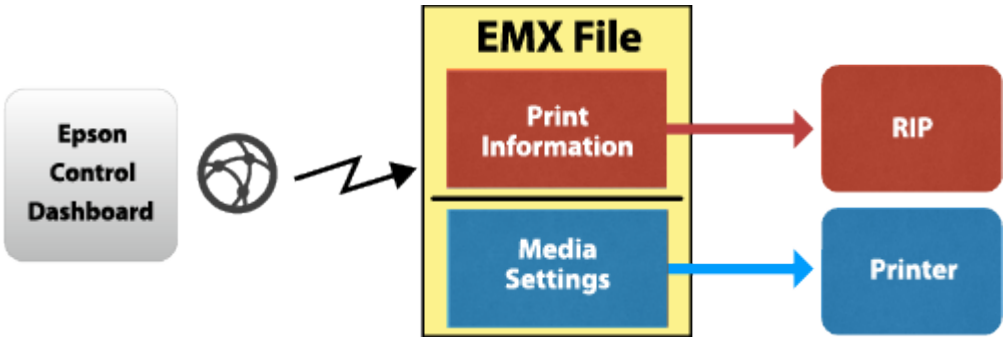


Once you have the media settings in the Source (Local Media Library), the next step is to send the data from the Source (Local Media Library) to the Target (the printer)

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 FIERY RIP software.

Integration into Fiery XF

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.

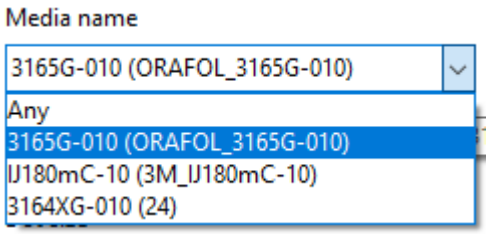
Media List from EMX file

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

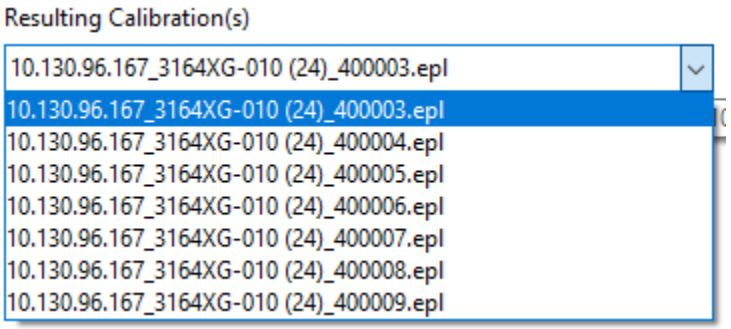
C:\ProgramData\EFI\EFI XF\Server\Temp\EpsonEmxHotfolder

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.

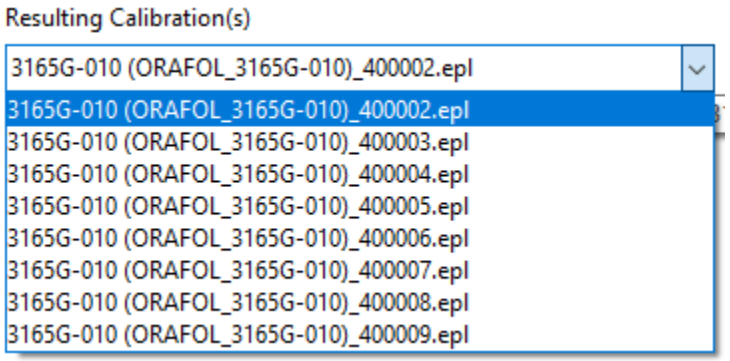
The screenshot below shows an example of how registered media types are displayed in Fiery XF:
The last entry is from Custom Paper Setting 24 of the printer. This number appears in the main screen on the printer's



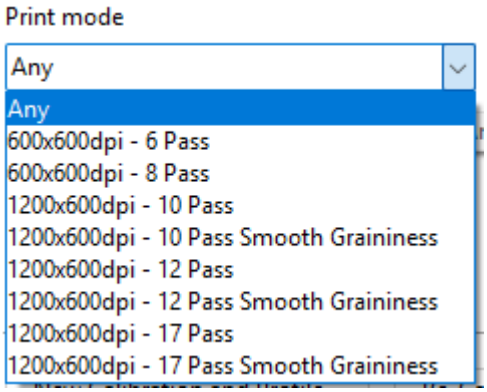
control panel. The name is the same as shown on the printer's control panel media menu. The other entries are from EMX files. In that case the file name minus the initial "S91 "is shown in parentheses.
You can now select one of the downloaded, registered media. Depending on the selected media, multiple EPLs may be available. You can see if it is from the printer…



… or from an EMX file:



The Print mode list box shows the print modes by name:



Every EPL represents a different combination of printer resolution and print quality.

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.

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)"

FAQ

Question	Answer
Can I use Fiery XF without Epson Edge Dashboard	Not entirely. 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.
Can I create an EPL in Color Tools and create my own ICC profile?	Yes.
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.
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.

Supported Resolutions and PrintModes

Media type	Black ink	1200 dpi	Printer resolution	Print Quality	RGB Ovr
Premium Luster Photo Paper (260)	**Photo**	**No**	**600x600 dpi**	**Normal**	**off**
Premium Glossy Photo Paper (250)				**Quality**	**on**
Premium Semigloss Photo Paper (250)		**Yes**	**1200x1200 dpi**	**Normal**	**on**
Premium Semimatte Photo Paper (260)				**Quality**	**on**
Premium Glossy Photo Paper (170)				**Proofing**	
Premium Semigloss Photo Paper (170)			**2400x1200 dpi**	**High Quality**	**on**
Premium Glossy Photo Paper					
Premium Semigloss Photo Paper					
Premium Luster Photo Paper					
Photo Paper Gloss 250					
RC Proof Paper-1					
RC Proof Paper-2					
RC Thin Proof Paper-3					
Baryta	**Photo**	**Yes**	**1200x1200 dpi**	**Normal**	**on**
				Quality	**on**
			2400x1200 dpi	**High Quality**	**on**
Epson Proofing Paper White Semimatte	**Photo**	**No**	**600x600 dpi**	**Normal**	**off**
Epson Proofing Paper Commercial				**Quality**	**off**
		Yes	**1200x1200 dpi**	**Normal**	**off**
				Quality	**off**
				Proofing	
			2400x1200 dpi	**High Quality**	**off**
Velvet Fine Art Paper (Matte black)	**Matte**	**Yes**	**1200x1200 dpi**	**Normal**	**off**
Watercolor Paper - Radiant White (Matte black)	**Photo**		**2400x1200 dpi**	**High Quality**	**off**
Backlight Film Roll (Matte Black)					
Backlight Film Roll (Photo Black)					
Backlight Film Roll HighDensity					
UltraSmooth Fine Art Paper	**Matte**	**Yes**	**1200x1200 dpi**	**Normal**	**off**
Fine Art Matte				**Quality**	**off**
Washi Thin			**2400x1200 dpi**	**High Quality**	**off**
Washi					
Doubleweight Matte Paper	**Matte**	**No**	**300x600 dpi**	**Normal**	**off**
Singleweight Matte Paper			**600x600 dpi**	**Normal**	**off**
				Quality	**off**

Media type	Black ink	1200 dpi	Printer resolution	Print Quality	RGB Ovr
			1200x1200 dpi	**Normal**	**off**
Photo Quality Ink Jet Paper	**Matte**	**No**	**300x600 dpi**	**Normal**	**off**
			600x600 dpi	**Quality**	**off**
		Yes	**1200x1200 dpi**	**Normal**	**off**
Enhanced Matte Paper	**Matte**	**No**	**300x600 dpi**	**Normal**	**off**
			600x600 dpi	**Normal**	**off**
				Quality	**off**
		Yes	**1200x1200 dpi**	**Normal**	**off**
			2400x1200 dpi	**High Quality**	**off**
Archival Matte Paper	**Matte**	**No**	**600x600 dpi**	**Normal**	**off**
Enhanced Matte Poster Board				**Quality**	**off**
		Yes	**1200x1200 dpi**	**Normal**	**off**
			2400x1200 dpi	**High Quality**	**off**
Canvas Satin (Photo black)	**Photo**	**No**	**600x600 dpi**	**Normal**	**off**
Canvas Matte (Matte black)	**Matte**			**Quality**	**off**
		Yes	**1200x1200 dpi**	**Normal**	**off**
Plain Paper	**Matte**	**No**	**300x300 dpi**	**Speed**	**off**
Plain Paper (Thick)				**Normal**	**off**
Plain Paper (Thin)			**300x600 dpi**	**Normal**	**off**
			600x600 dpi	**Quality**	**off**
Enhanced Synthetic Paper	**Matte**	**No**	**300x600 dpi**	**Normal**	**off**
Enhanced Adhesive Synthetic Paper			**600x600 dpi**	**Normal**	**off**
Enhanced Low Adhesive Synthetic Paper				**Quality**	**off**

There are three resolutions involved in the process:

Fiery XF	Printer	Comment
RIP resolution	-	Resolution of data sent to the XF printer driver
Printer resolution	Input resolution	Resolution of data sent to the EPSON SDK. This is the resolution you select in Color Tools
Print Mode	Printer resolution	Resolution of halftone data sent to the printer

RGB Ovr means RGB Overcoat
1200 dpi for many media and **Proofing** only available with Proofing Mode update

Change History

Version	Date	Description	Updated by	Affected XF Versions
v1.0	19-Jan-21	First version	Kai Stark	Fiery XF 7.1.4
v1.1	16-Feb-21	Support for newer firmware	Kai Stark	Fiery XF 7.3
v1.2	03-Sep-25	Added Dashboard\EMX support	Nikhil Agarwal	Fiery XF 8.0.6