How-to:

Guide to using Xerox® FreeFlow® VI Compose Specialty Imaging effects on a Fiery® server

Overview

Xerox Specialty Imaging (SI), part of the VI Compose Suite, is supported on the Fiery server. This document is designed to assist in the setup and use of SI features on a Fiery server. Please follow the Xerox provided documentation to purchase, install, and license VI Compose (FreeFlow® VI Compose User's Guide) on your Fiery server, and please read the sections on SI thoroughly to understand the capabilities and limitations of SI features.
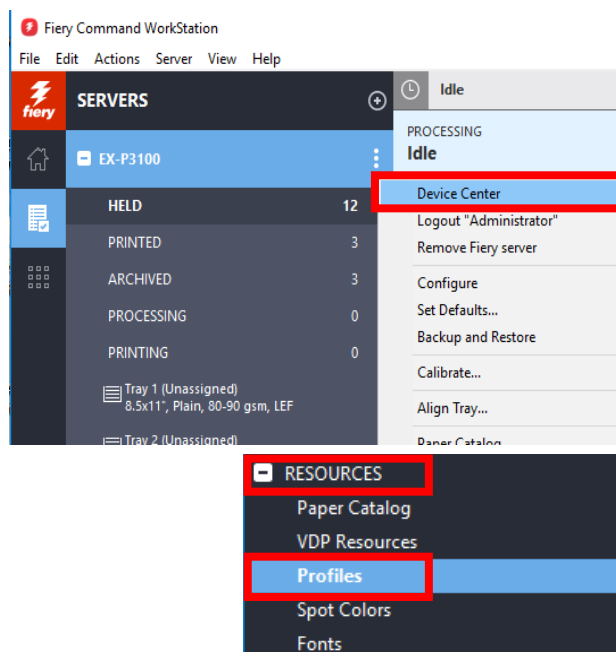
Preparation

Once VI Compose is installed on the Fiery server, please check/note the following items in order to familiarize yourself with the Fiery implementation.

- The latest version of VI Compose, Specialty Imaging fonts, and Xerox documentation can be found here: http://www.xerox.com/support

  Search for VIPP, then select **Software** for the latest version of VI Compose software and Specialty Imaging fonts, or **Documentation** for the latest documentation.

- The xgf and xgfc folders are located on the e:\ drive of the Fiery server at e:\efi\server\xgf and xgfc. All other familiar directories and files for VI Compose and the SI features are located here.

- VIPP/VPC files can be imported directly into Fiery Command WorkStation®. The Fiery server unzips the files, loads them in the appropriate folders, and runs the appropriate data files. The Projects and folders method of running VI Compose is the same as other DFEs, just import the data into Command WorkStation as a job once all resources are loaded.

- When importing VIPP files into the Fiery server, some file extensions such as ".nm" are not recognized. Simply select "All File Types(*.*)" in the import dialogue to expose these files to the job importer.

Installing the special icc profiles

In order to use the Infrared or Fluorescent Text Specialty Imaging effects, special profiles need to be installed on the Fiery server. Two special profiles are provided with this guide - Xerox IR Spot Colors v2.icc and Xerox IR Profile.icc.
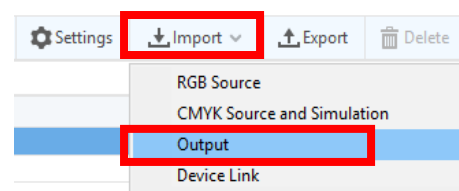
- Xerox IR Spot Colors v2.icc installs a new group of special spot colors in Fiery Spot-On™.

- Xerox IR Profile.icc is a special output profile that must be assigned to the job in order to get the optimum effects.
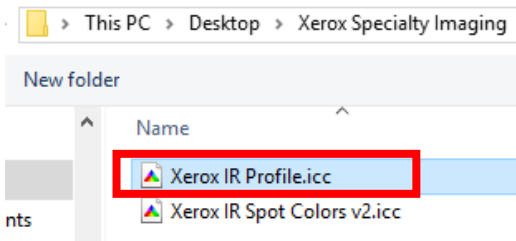

1. Install the special output profile, Xerox IR Profile.icc.
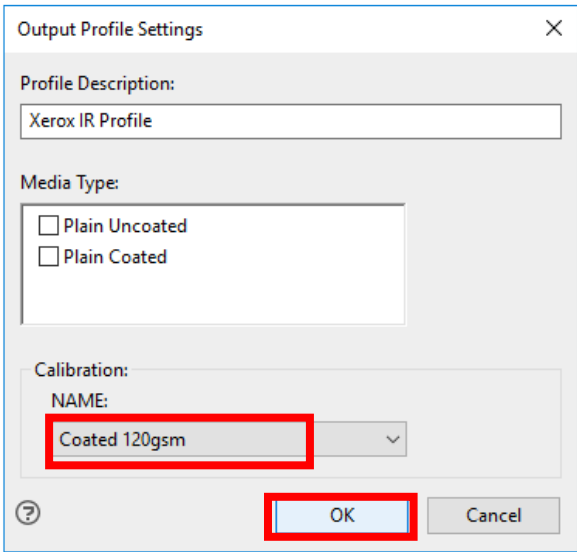
   Select Device Center from Command WorkStation

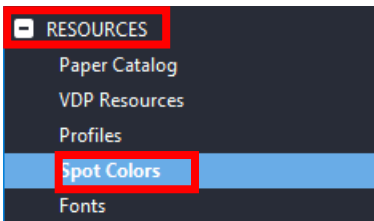2. Select Resources - Profiles - Import - Output

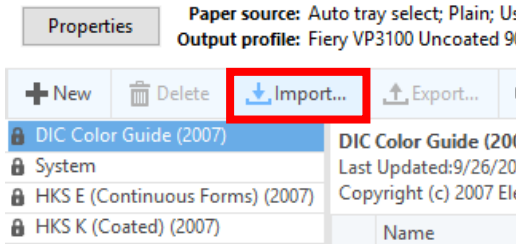3. Navigate to the folder containing Xerox IR Profile.icc and select / Open

4. Select a Coated calibration that best represents the media that you will be using.
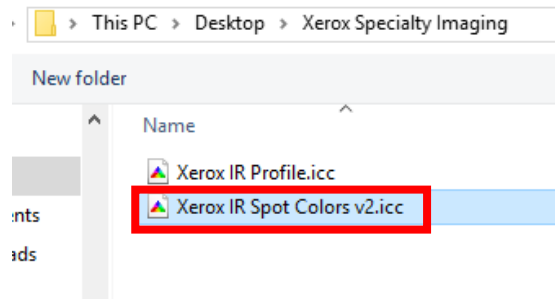
   Click OK

5. Install the special spot color table, Xerox IR Spot Colors v2.icc

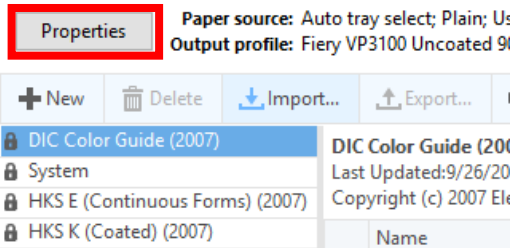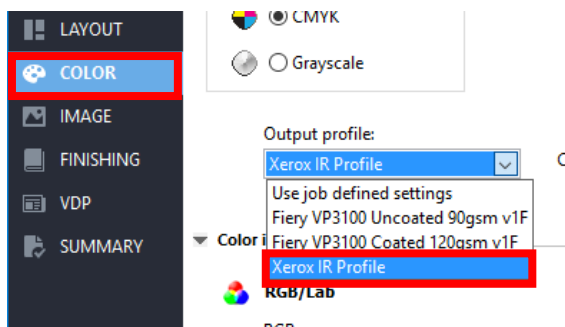   From Device Center select Resources - Spot Colors

6. Select Import...

7. Select Xerox IR Spot Colors v2.icc and click Open

   The new spot color table is installed.

   The following steps are to validate that the correct spot color table was installed, and working as expected

8. Select the Properties button

9. From the Job Properties window select the Color tab and select the Xerox IR Profile from the Output profile pull-down

   Click OK
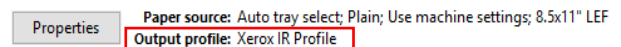
10. Select the Xerox IR Spot Colors v2 group, scroll to the bottom of the list of colors and verify the CMYK values of the "SI_" colors. All the values must be either 0 or 100 as shown.

    Close the Device Center window if the values appear correct as shown in the screenshot to the left. You are now ready to print jobs containing Infrared or Fluorescent text.

    If other values appear there is an issue.

- Make sure that the output profile selection is correct

- Make sure that you used the original Xerox IR Spot Colors v2.icc profile provided with this guide and did not use an exported version from another Fiery server
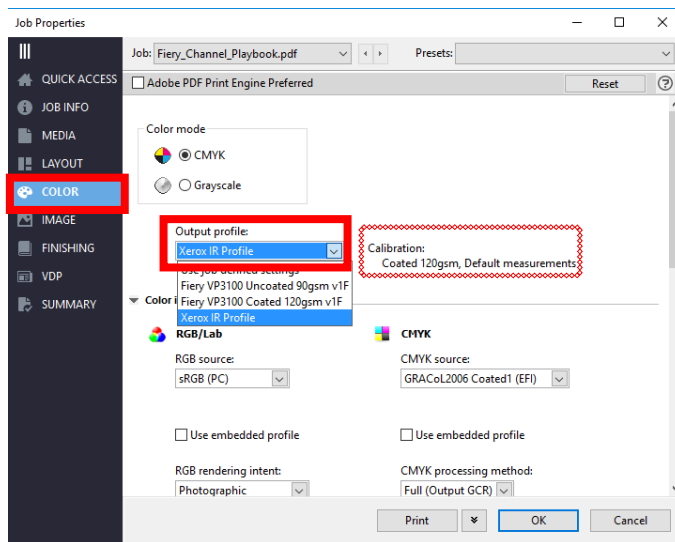
These values are correct

These values are incorrect

Setting up a job using Infrared or Fluorescent Text Specialty Imaging effects
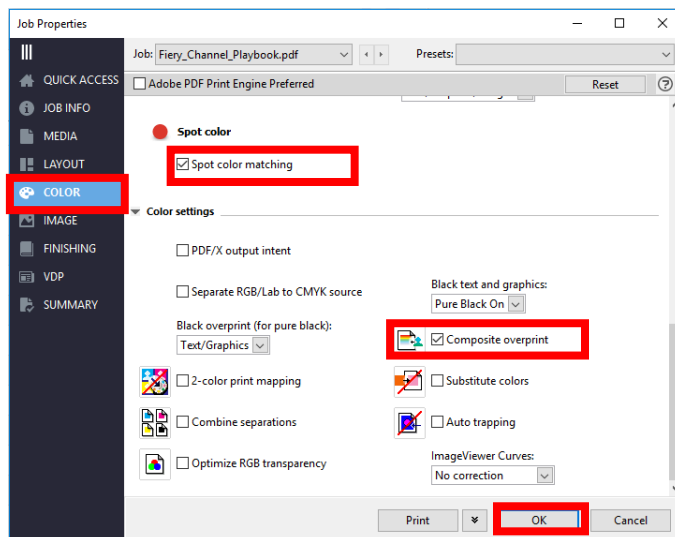
In order to use the Infrared or Fluorescent Text Specialty Imaging effects, you need to set up your job to use the Xerox IR Profile selected as an output profile.

For best results, please calibrate the stock you are using with the coated calibration set that you used to associate the Xerox IR Profile when it was installed.

1. Select the Properties... button from Command WorkStation, or right click on your job and select Properties...

2. Select the Color tab

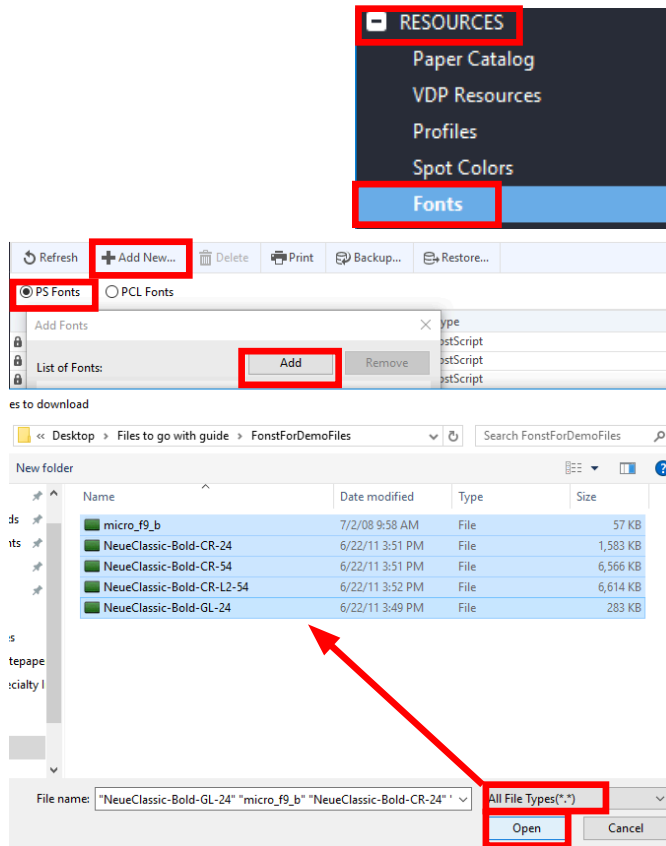3. Select Output profile "Xerox IR Profile"

   Note: the Calibration shown should represent the calibration set that you associated to the Xerox IR Profile.

4. Scroll down within the Color tab

5. Ensure that Spot color matching is Checked/enabled

6. Ensure that Composite overprint is Checked/enabled

7. Make any other selections that you need for your job such as Media, Image, Finishing etc.

8. Make sure to click OK when finished

Installing Specialty Imaging fonts

Font resources for MicroText, CorrelationMark, and GlossMark™ fonts are provided by Xerox, and available to customers from http://www.xerox.com/support as noted on page #2 of this document. These fonts are PostScript Type 3 bit-mapped fonts. The Fiery server supports these fonts, both embedded within the VIPP/VPC files and/or loaded separately on the Fiery server as a separate DFE resource. The Fiery Font Downloader in Command WorkStation does not automatically recognize Type 3 fonts so you must select All file types(*.*) when selecting these fonts, as demonstrated here.

1. From Device Center select Resources - Fonts
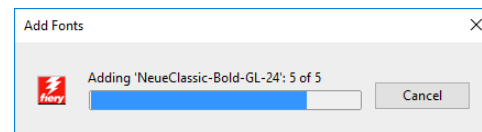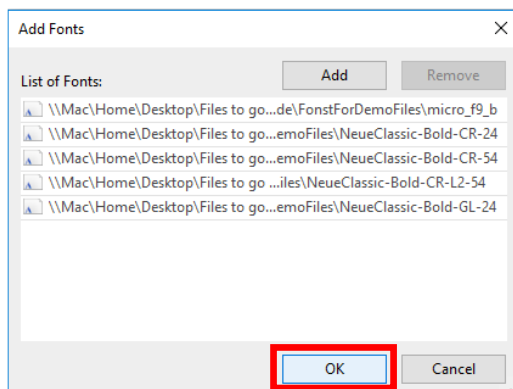
2. Click Add New...

3. Select PS Fonts

4. Click Add

Navigate to the directory where your Specialty Imaging fonts are located, such as a folder on the Desktop.

5. IMPORTANT: Select All File Types(*.*) in order to see the Specialty Imaging fonts.

6. Highlight the desired fonts and click Open.

7. Click OK to confirm.

TIP:

Since PostScript type 3 fonts are bit-mapped they require additional DFE resources. Add only the fonts that you need, and as you need them. Do not add entire libraries of fonts as this may slow down processing and may slow other activity on the Fiery server.

Also, consider managing Specialty Imaging (SI) fonts by removing SI fonts that are no longer required, or infrequently used.

Other considerations

1. Infrared and Fluorescent text Specialty Imaging effects on iGen or ColorPress class engines may not be optimal with the provided profiles. These profiles have been optimized for Versant and C60/C70 class of engines.

2. If the provided output profile (Xerox IR Profile.icc) does not meet color/quality requirements for non-SI objects, in other words photos, gradients, non-spot color matches, please follow these steps to create your own output profile for your specific media. or use a factory provided output profile that best matches your media:

   If you wish to build a new output profile you will need Fiery Color Profiler Suite and a supported spectral measuring device, such as an ES-2000, ES-6000 or similar:

   i. Using normal procedures build a new profile for your media and name it "Xerox IR Profile". This is necessary to ensure that the CMYK values from the Xerox IR Spot Colors V2 spot color table are used. Make sure that this new profile is installed as an output profile and is associated to an appropriate calibration set.

   If you wish to use an existing factory output profile, you will need to duplicate the desired factory profile and rename it "Xerox IR Profile" as follows:

   i. In order to duplicate an output profile navigate to Device Center - Resources - Profiles. Locate the output profile that you wish to use. Right click on that profile and select Export. Navigate to a temporary location such as the Desktop and click Select Folder. A copy of the profile has been exported.

   ii. Click the Import button, select Output and navigate to the temporary location. Select the exported profile and click Open. You will get a warning that the profile exists and cannot be overwritten. Change the name to "Xerox IR Profile" and click OK. Associate the newly added profile with the appropriate calibration set and click OK.

   You now have a new or correctly renamed copy of your desired output profile named Xerox IR Profile. To ensure that your new profile will work correctly with the Xerox IR Spot Color V2 table please refer to page 4 step #8, 9 and 10.

   Note: Do not rename profiles using any other method than described here. They will not work as expected.

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