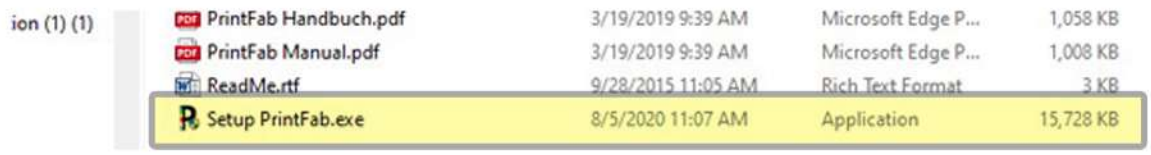
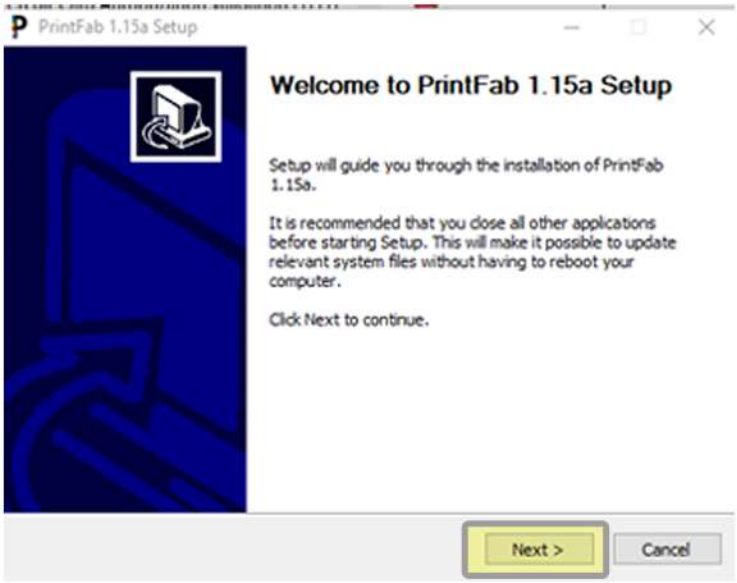
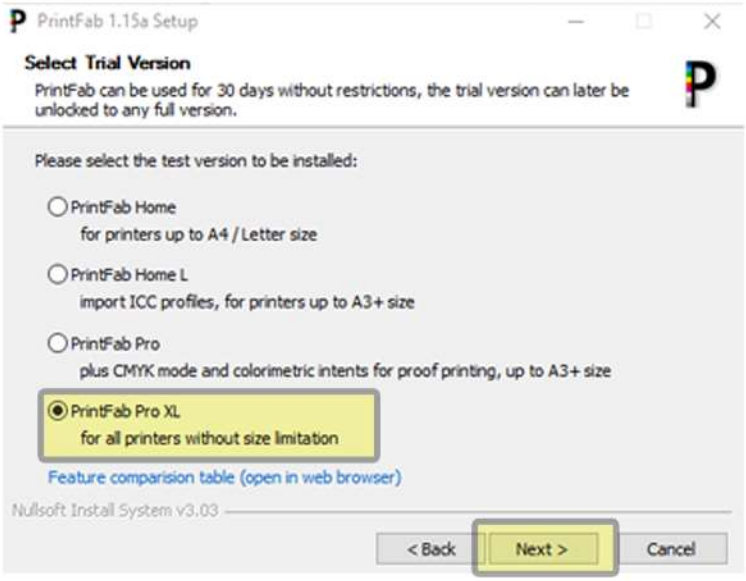
Print Fab Installation Instuctions (Windows)

1. Install drivers for the printer. Current versions can be found on the manufacturer's website.
   Canon: https://www.usa.canon.com/internet/portal/us/home/support/drivers-downloads
   Epson: https://epson.com/Support/sl/s
2. Download and Install PrintFab. The file is a ZIP file and **must be unzipped** before it can be installed. **Save the extracted file on your desktop or other easily accessible location** on your computer and open it up from here to make sure it is unzipped.
3. Go to the extracted/unzipped file and click on **Setup PrintFab.exe (PrintFab Icon should show if unzipped)**

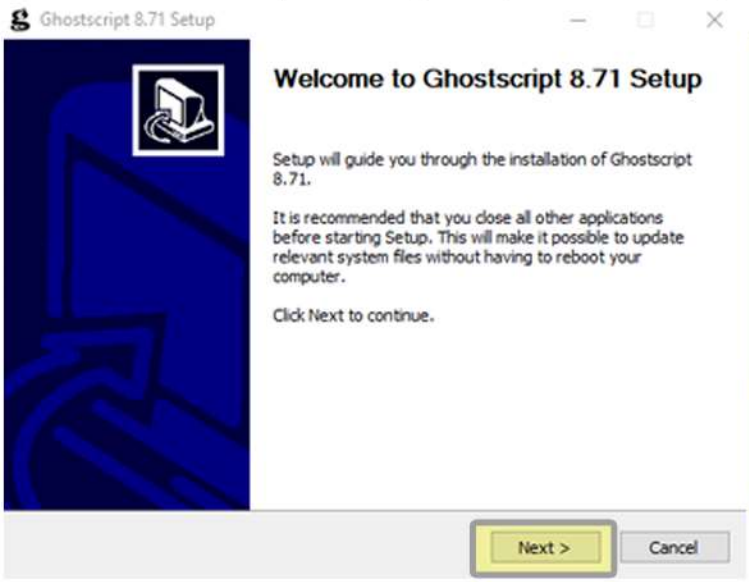


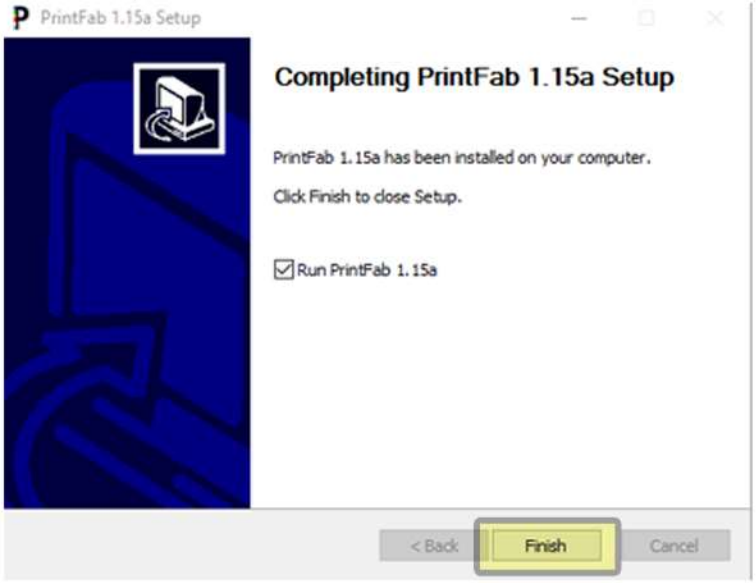
4. Go through the prompts and install **PrintFab Pro XL**





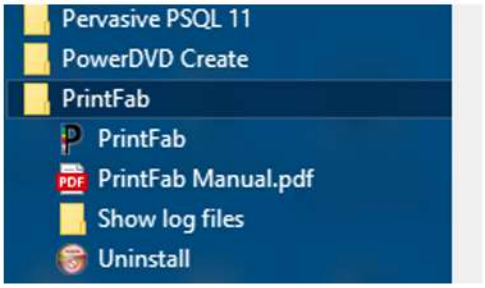
5. Install Ghostscript when prompted and complete set-up



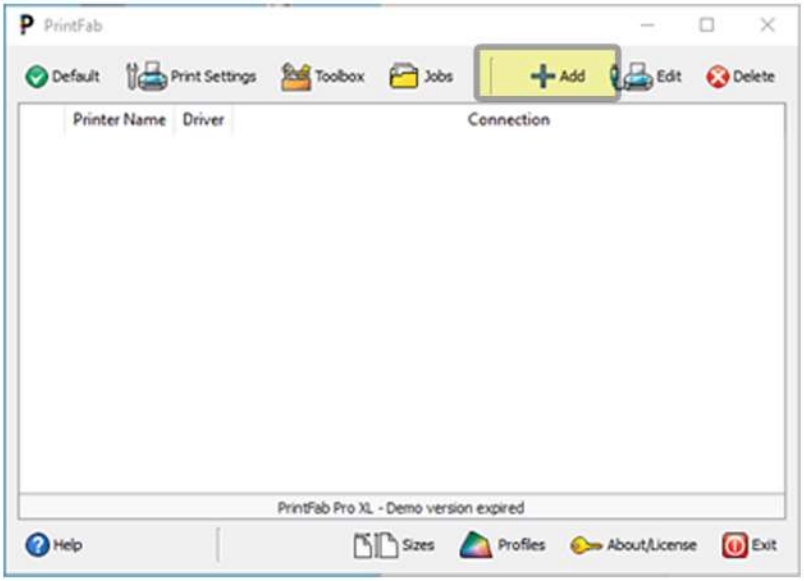


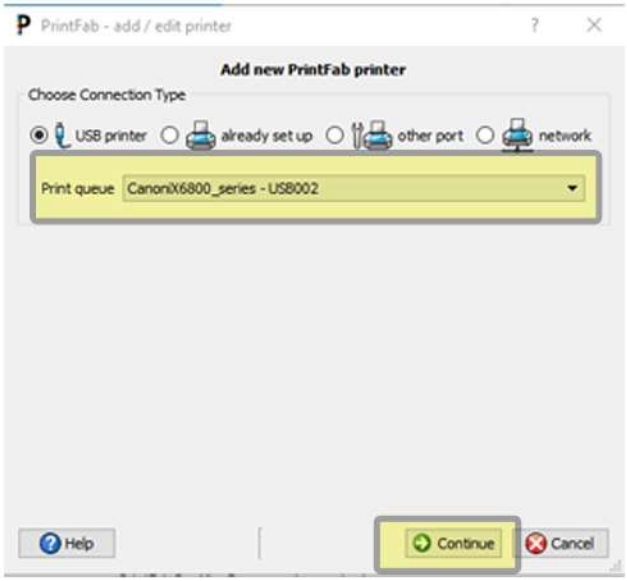
Print Fab - Add New Printer (Windows)

6. PrintFab dialog box should open at this point. If not, open from either the Start Menu or the PrintFab Desktop Icon

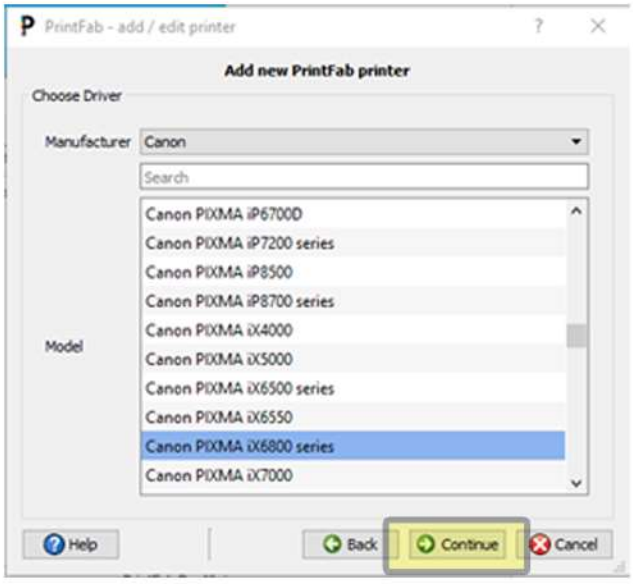


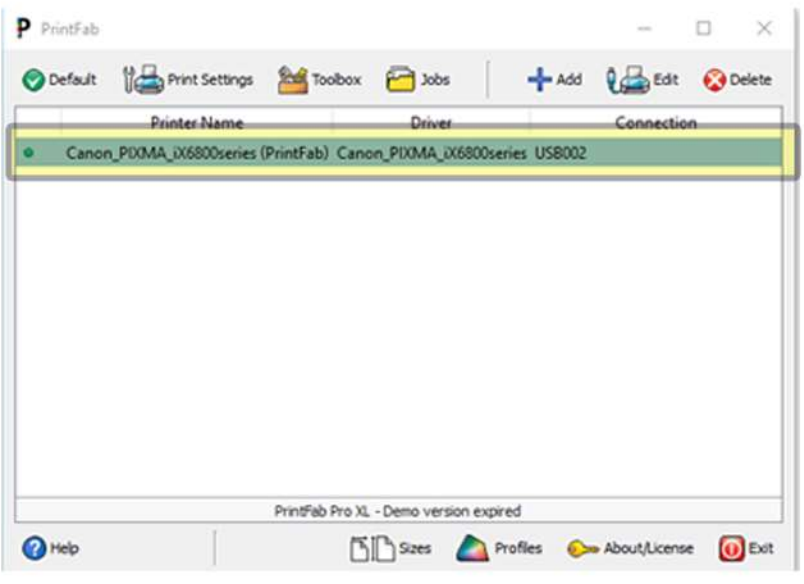
7. Click on the **+Add** button (Add new PrintFab printer) in the dialog box and select your printer from the Print queue. Make sure it is the correct printer. It may not default to the correct printer





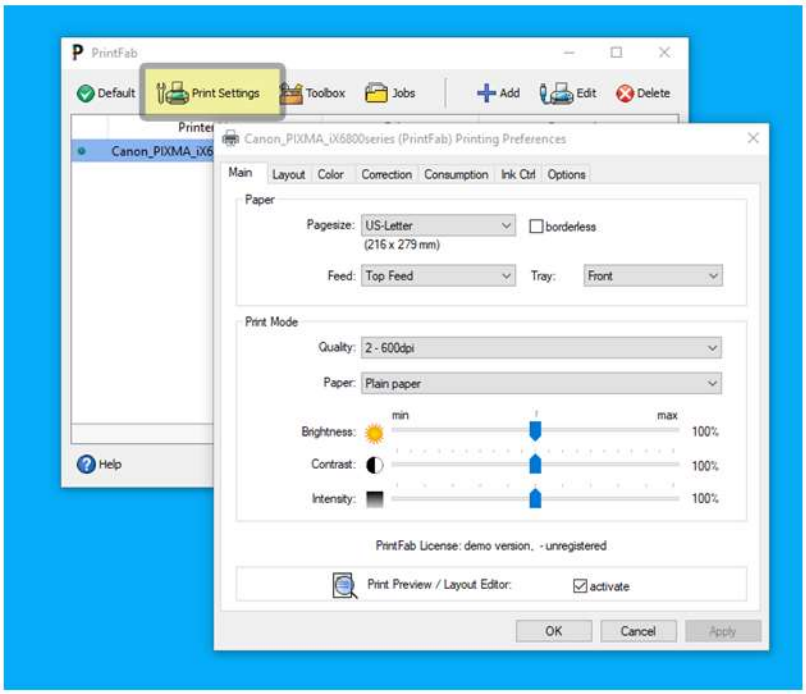
8. Select Driver click **Continue** and the New PrintFab Printer should now be available



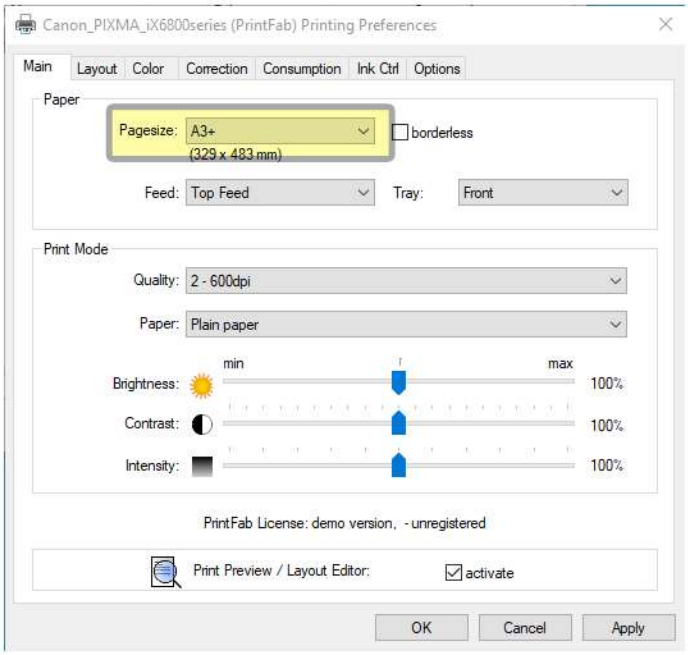


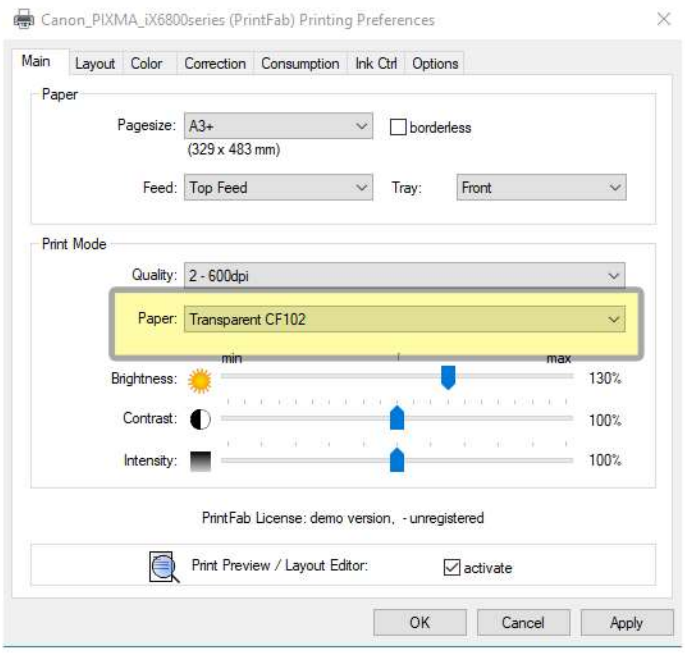
Print Fab - Printing Preferences (Windows)

9. Open the **Print Settings** from the dialog box. This will open up the **Printing Preferences** window



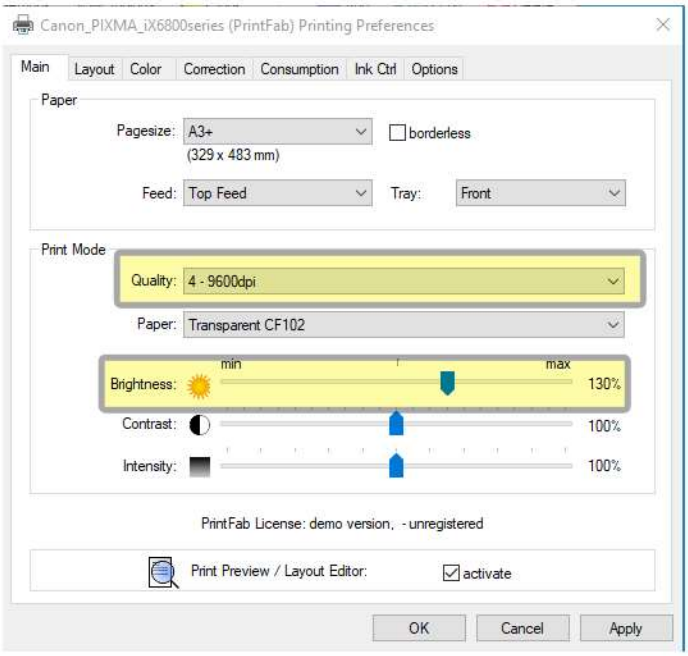
10. Example of common settings for a Spot Color job on a 160 Mesh Screen. Select the Pagesize: **A3+** should be used for **13 x 19 film sheets**. Please note that inkjet film has a coated and an uncoated side. If you are unsure of which side is coated, wet your fingers and touch a corner of the film. The coated side is the print side. Next select the Paper: **Transparent CF102.**

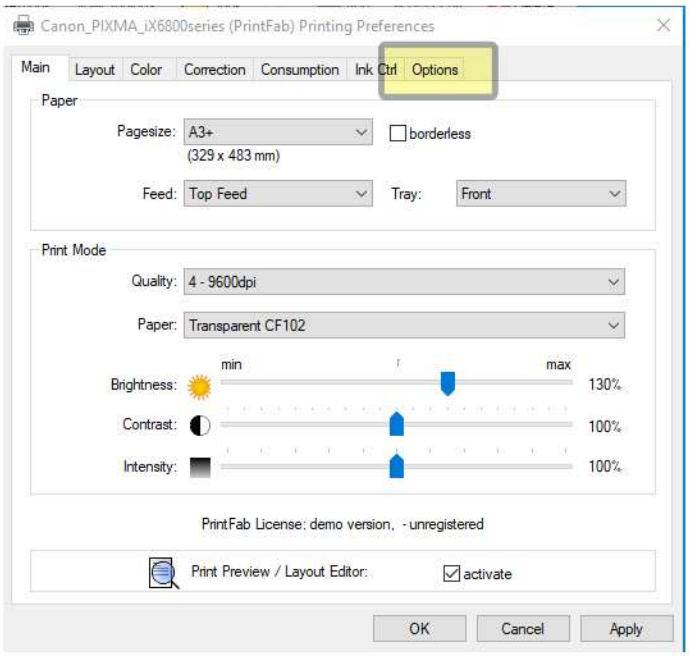




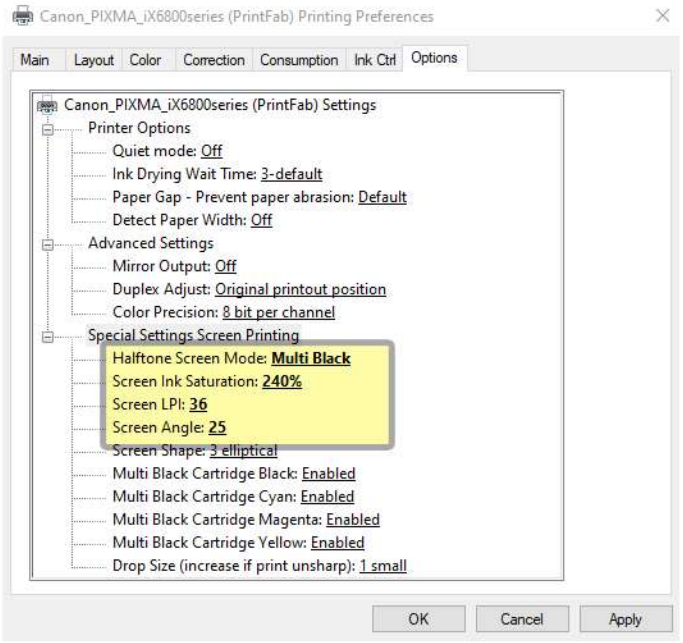
Print Fab - Printing Preferences (Windows)

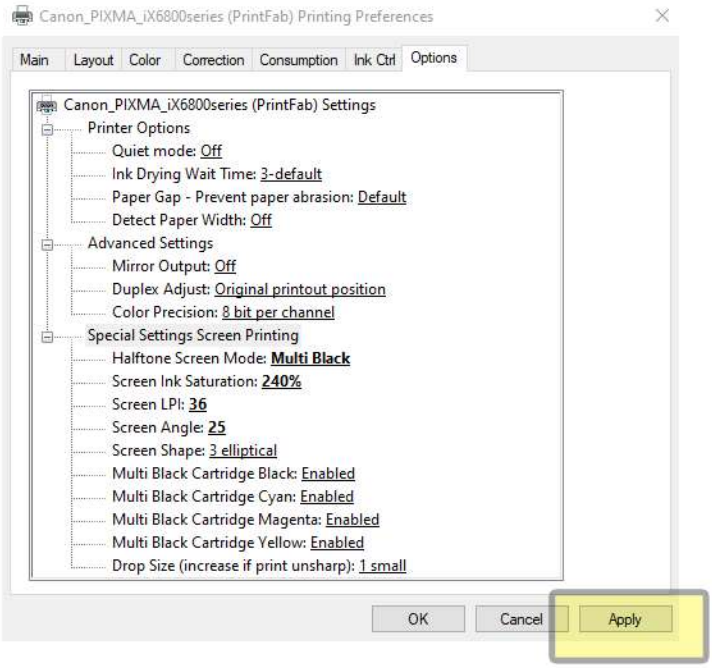
11. Change the Quality to **4-9600dpi** and the Brightness to **130%.** Then click on the options tab





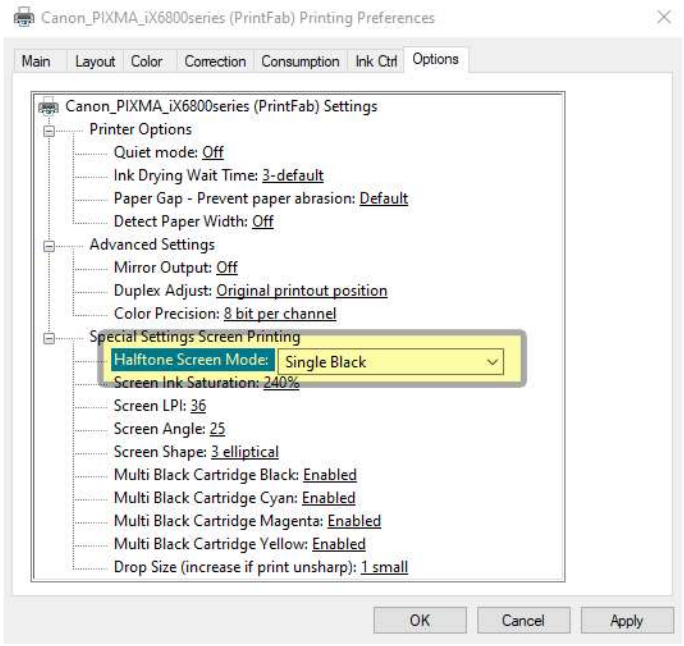
12. Under Special Settings Screen Printing change the following setting- Halftone Screen Mode: **Multi Black**, Screen Ink Saturation: **240%**, Screen LPI: **36**, and Screen Angle: **25**. Before exiting click **Apply**. Verify settings have been saved then click **OK** to exit.

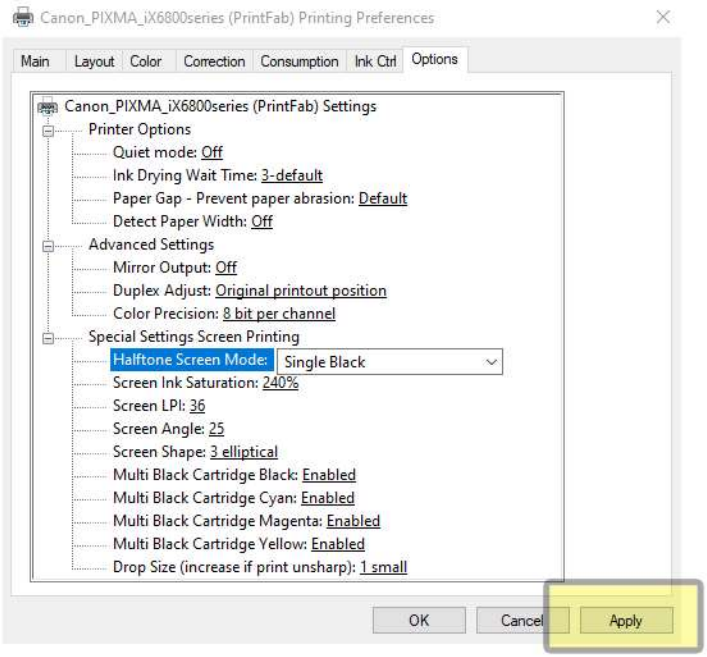




Print Fab - Print Setting Options (Windows)

13. To Print from the **Black XL Cartridge** you must change the **Halftone Screen Mode: to Single Black.**





Print Fab - Print Setting Options (Windows)

Halftone Screen Mode:
Single Black: prints in black and white. For the Canon Pixma i6820 it selects the Black XL cartridge.
Multi Black: prints from multiple cartridges. In the Pixma i6820, it prints from the from regular cartridges (CMYK)
Single Black (pre-halftoned): uses the settings in the program used to print (Photoshop, Illustrator, CorelDRAW). It prints in black and white. For the Canon Pixma i6820 it selects the Black XL cartridge.
Multi Black (pre-halftoned): uses the settings in the program used to print (Photoshop, Illustrator, CorelDRAW). Prints from multiple cartridges. In the Pixma i6820, it prints from the from regular cartridges (CMYK)

Screen LPI: The LPI (lines per inch) a higher number means smaller screen width and smaller dot size. Please note that LPI is not DPI. Simple formula LPI X 4.5 = Screen Mesh or Screen Mesh/4.5=LPI. Some examples are listed below.
Spot Color 35LPI (160 Screen Mesh)
Detailed Spot Color 50LPI (230 Screen Mesh)
Photorealistic – Manual press 60LPI (280 Screen Mesh)
Photorealistic –Automatic Press 65 LPI (305 Screen Mesh)

Screen Shape: This is the shape of the halftone dots. You can choose what works best for your artwork. An ellipse/eliptical is one of the more commonly accepted shapes for screen printing.

Screen Angle: An overlapping of printing can cause a Moire pattern. Adjusting the screen angle is one way in which to keep this from happening. You can choose your angle depending on your art work. You may find different angles work better for you. Below are some suggested angles -
One Color & Multicolor: 25°
Simulated Process: 25°
Four Color Process: Cyan 15°, Magenta 45 °, Yellow 75°, Black 75° or Cyan 22.5°, Magenta 52.5°, Yellow 82.5°, Black 82.5° – Underbase should be at the same angle as the Cyan screen.

Screen Ink Saturation: This will adjust the ink density on the film. If your film is coming out too light you can increase the saturation to suite your needs. The film's ability to absorb the ink and dry without smearing or distorting the design is a consideration as your increase the saturation. You can test different levels of saturation to see what works best for your printing environment.

Quality: The higher the quality renders a better film positive. A higher quality will slow the print speed and increase the ability to lay down more ink providing denser film positives due to increased deposit of ink.

Brightness & Contrast: Effects the medium brightness range while contrast effects all brightness levels. Reducing contrast can help if the print is too dark and details are being lost.