

Introduction to ICC Profiles

Essentially, ICC profiles are look-up tables that describe the properties of a color space (range of colors or gamut that a monitor can display or printer can output; the most widely used colour space is Adobe RGB 1998)

The following is a list of profile names and media settings for Innova media-

IFA09 - FibaPrint® White Gloss
IFA19 - FibaPrint® Warmtone Gloss
IFA29 - FibaPrint® White Semi-Matte
IFA39 - FibaPrint® White Matte
IFA49 - FibaPrint® Ultra Smooth Gloss
IFA14 - Smooth Cotton High White
IFA11 - Smooth Cotton Natural White
IFA12 - Soft Texture Natural White
IFA22 - Soft Texture Natural White 100% cotton
IFA13 - Cold Press Rough Texture
IFA15 - Soft White Cotton
IFA08 - Canvas Textile Paper
IFA33 - Fine Art Canvas Matte
IFA35 - Photo Canvas Matte
IFA36 - Photo Canvas Ultra Glossy

Media Settings

- The individual media settings for each profile you will find in the profile name. Eg: Pro_78_9800_IFA09_(Velvet_Fine_art_Paper)_1440_PH_BK.icc = Velvet Fine Art paper media setting.

- If the media setting is not contained in the profile name, there will be a separate PDF file to download which contains all the media settings. Eg: Profile_settings_Epson_9800.pdf

- If you cannot find a profile for your printer and media combination, we recommend you use the following generic paper settings without a profile:

Gloss / Satin FibaPrint papers = Premium Luster / Premium Semigloss

Fine Art Matte papers = Enhanced Matte)

- If you are printing targets to create your own custom ICC profile, use a similar printer's settings as a guide, but you will also need to determine the media setting which gives the best results on your own printer. This may mean printing a couple of targets to get this correct as the media setting may not always be the most obvious one. Eg: FibaPrint White gloss on the Epson 7900 and 9900 uses the Velvet Fine Art paper setting.

Installing the Profiles on Your Computer:

Profiles must be installed in the correct location on your computer in order for them to be accessible to an application. The correct installation locations are:

Mac OS X:

- o Store profiles in /Library/ColorSync/Profiles

Mac OS 9.x:

- o System Folder/ColorSync Profiles

Windows XP:

- o \Windows\system32\spool\drivers\color

The easiest way to install a profile in Windows XP is to right click on the profile in Windows Explorer and select "install profile". Windows copies the profile to the correct directory automatically.

Note: If you are replacing a profile in Windows XP, the above shortcut does not work. The profiles must be manually copied to the correct directory for the original profile to be replaced.

Windows NT/2000:

- o \Winnt\system32\spool\drivers\color

Windows 98/ME:

- o \Windows\System\Color

Using Generic ICC Profiles with Innova Media:

Generic profiles are provided to allow for closer color matching from screen to print output. These are in no way meant to replace a custom printer profile, however they do offer a much better colour accuracy with our media than the printdriver-managed color

When you are ready to print a file from Photoshop (This is of course after you have downloaded and installed the generic profiles)

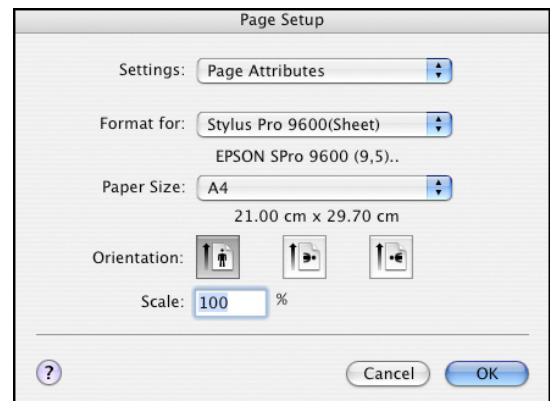
-Make sure color settings are Adobe RGB (1998) / this can be found in Image/Mode

-Carry out all color corrections and image adjustments, make sure that you save before sending print

1. File -> Print with Preview

-Go to Page Setup and choose the desired printer and paper size

-Click OK to proceed back to the print preview window



2. Select Color Management tab

(making sure that the document source space is selected and set to Adobe RGB 1998)

3. In the Print Space selection choose the profile associated with your media type

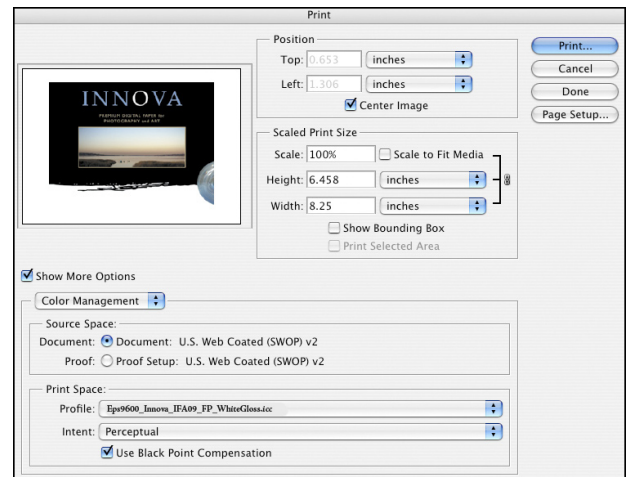
(refer to chart if you are unsure of which profile is correct for each media type)

4. Set rendering intent to Perceptual

(When using this intent the entire gamut of the image is compressed to fit within the gamut of the destination device. Perceptual rendering intent treats all pixels with respect for each other, adjusting proportionally while maintaining in-gamut color)

5. Make sure Black Point Compensation is turned on

(The Black Point Compensation essentially sets the image's black point according to the profile's reproducible black point output; it serves, in effect, to make sure that the shoulder of the D-Max curve does not exceed the output curve. Selecting Black Point Compensation is the best way to avoid loss of shadow information.)



6. Click Print

7. Select the printer that you will be outputting to

8. Go to Print Settings via the Copies & Pages pull down tab

-Choose the appropriate media type (Again when using the generic profiles consult the above chart for the appropriate media option for any given substrate)

9. Click on Advanced Settings

- Choose Print Quality of 1440dpi
- Choose whether you would like to use High Speed printing (High Speed is synonymous with Bidirectional Printing; this means that the print head will lay down ink as it moves across the paper both from right to left and left to right)

10. Go to Printer Color Management via the Print Settings pull-down tab

Make sure that color management is turned OFF by selecting - Off (No Color Adjustment).

PC users can find this option under the ICM option in the print settings dialogue box.

11. Click Print

Why must you make sure color management is set to Off (No Color Adjustment)?

This allows Photoshop to pass the image data to the printer using the .icc profile, leaving the image free of any unnecessary print driver corrections that could be devastating to your color managed output. In using the .icc profile you are allowing for adjustments to be make

