

## CREATING A CUSTOM ICC PROFILE WITH ADOBE PHOTOSHOP CS3

### 1. PREPARE YOUR PRINTER

Make sure you do **NOT** have any clogged nozzles. Run the Nozzle Check before printing images. Dirty nozzles will result in banding similar to that of printing at 720dpi. If you run the test prints with clogged nozzles it will throw off your color once they are unclogged. (Please refer to your printer manual for additional instructions)

2. DOWNLOAD the test targets from [www.booksmartstudio.com](http://www.booksmartstudio.com) or load the CD.

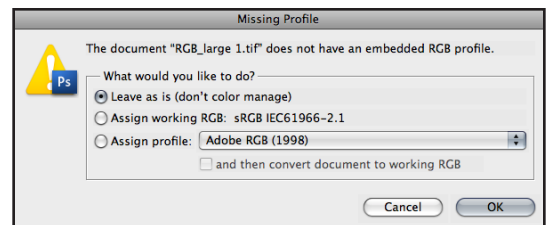
### 3. CHECK YOUR COLOR SETTINGS

In Photoshop you can access the color setting by going to Edit on the top menu bar. Please ensure that under Color Handling Policies it is checked Ask When Opening for Missing Profiles

### 4. OPEN THE TEST TARGETS

Please note the Small target is one page. The Large is two pages, both need to be printed. When opening the files please leave the color space Untagged.

*Do not resize the test targets from Booksmart Studio in either dimension or resolution!!*



### 5. SETTING UP PHOTOSHOP'S PRINT SETTINGS

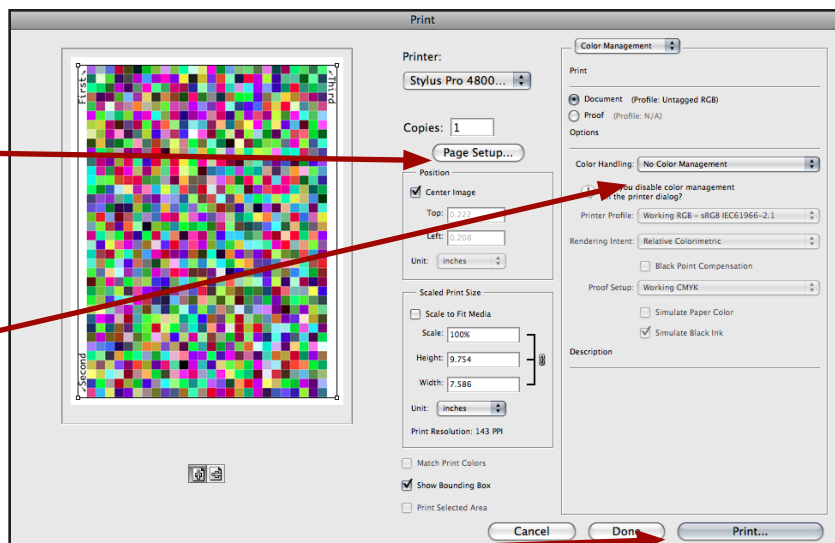
Print utilizing the proper settings in the print drivers for your application. *The following are the steps for those utilizing the Epson print drivers.* For those who are using RIPs, please e-mail [profiles@booksmartstudio.com](mailto:profiles@booksmartstudio.com) or refer to the RIP software for advice on making custom profiles.

A. Go to File / Print from the top menu bar.

B. Set your Page Setup settings appropriately.

C. Choose No Color Management under Color Handling.

This will disable / grey out the printer profile options and rendering intents.

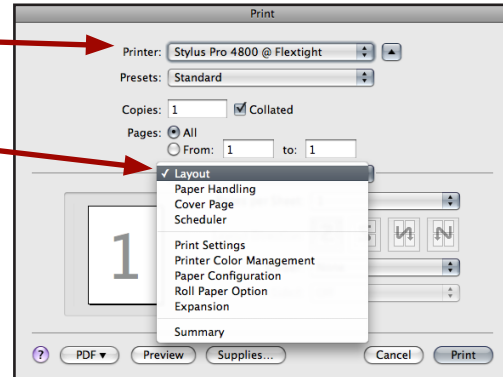


D. Click on Print

## 6. SETTING UP THE PRINTER DRIVER (PC users please see page 3)

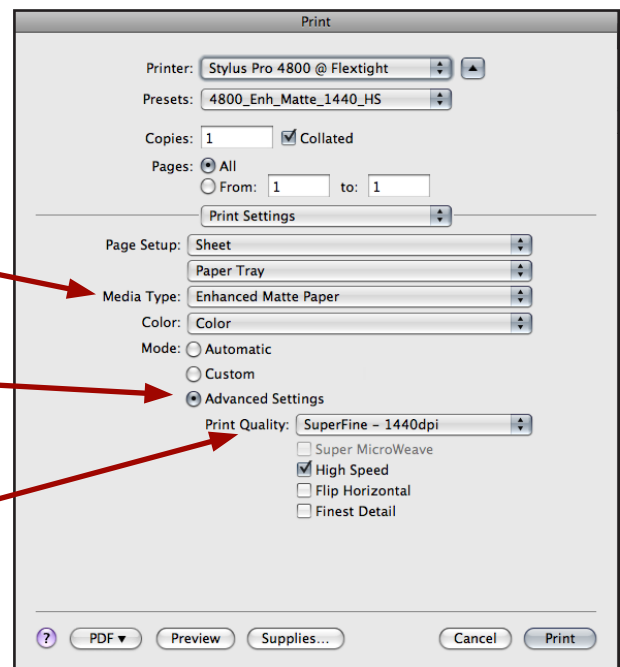
The printer driver window will show slight variation in options for selection depending on the printer used. The options below are shown for the Epson 4800. These will be consistent for all the Epson Professional Imaging Printers. Differences for the Desktop models are noted in the instructions.

A. Choose the correct printer.



B. Click on the tab that reads Layout, go to Print Settings. This may appear as copies and pages in the older operating system.

C. Choose the media type that you believe is closest to the substrate/paper you are using. The media settings available may not coincide with your paper exactly. Each setting here determine which black ink is being used (matte or photo) and how much ink is being laid down on the paper. For example the Enhanced Matte setting will lay down more ink than the Plain Paper setting.



D. Click on Advanced Settings.

E. Choose the resolution you wish to use.

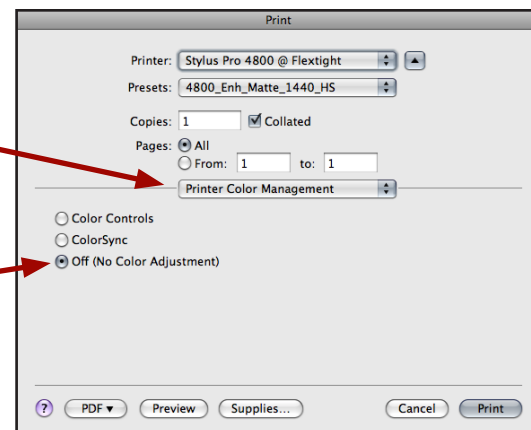
Booksmart Studio does not recommend anything higher than 1440 for matte or fine art papers.

Do not print any paper using a resolution lower than 1440. 2880 can be used for your higher gloss papers.

It is under the advanced settings that you will find variations for the R series printers (R800, R1800, R2400). Best Photo would equate to 1440, Photo RPM to 2880.

F. Click on the Print Settings tab and go to Printer Color Management.

G. **VERY IMPORTANT!** Make sure in the color management properties window that the “No Color Adjustment” option is selected. *Special Note: PC Users, this option is found under the ICM option as show on the next page.*



H. Click Print.

## SPECIAL NOTE FOR WINDOW USERS

### 6. SETTING UP THE PRINTER DRIVER

While the Print with preview page is universal between platforms, the structure of the printer driver has some variation for the Windows User.

A. Choose the correct printer.

B. Click on the properties option.

C. Select your Media Setting. (see additional note under step C. on page 2).

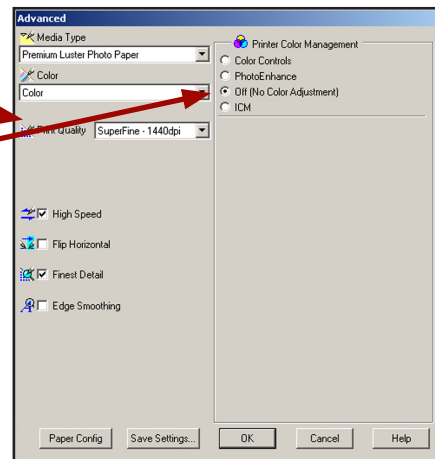
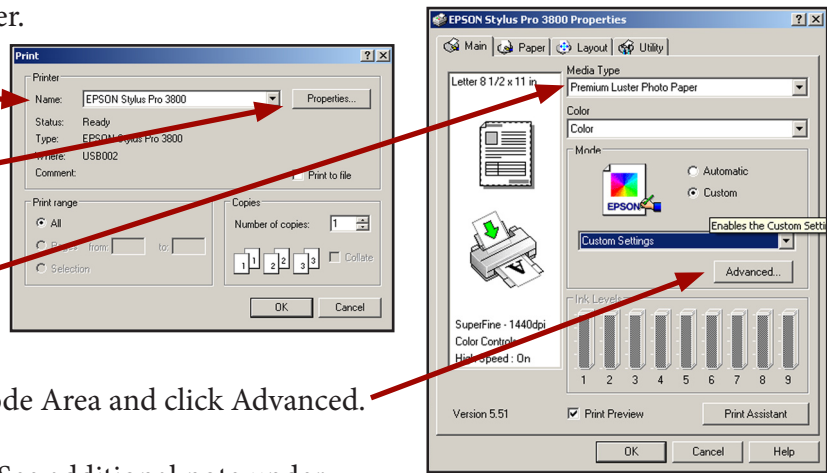
D. Select Custom Settings in the Mode Area and click Advanced.

E. Select your Print Quality option. (See additional note under step C. on page 2).

F. **VERY IMPORTANT!** Make sure in the Printer Color Management section that the “Off (No Color Adjustment)” option is selected.

G. Select OK to save these settings, and again in the properties window.

H. Click Print.



7. Record the settings you used to print the target for each different type of media and printer combination. It is critical that you use the appropriate settings for each different media, once you receive and utilize your profile. If you decide to change any of these settings, you **MUST** reprofile your printer. Settings to watch for are media type, resolution, color management settings, color settings. It may help you to print an extra copy of the order form to keep for your records.

8. Fill out your order form with the settings as well. Label the targets with a corresponding number to the Profile Order Form. Do not write over any of the color patches or on the back side as our machines can read through thinner papers altering the color reading.

9. Allow your prints to dry for 24 hours.

10. Place divider sheets of plain paper between your test targets. Do not use a tissue or wax paper as this can cause scuffing or reactions with the ink.

11. Send your printed test targets to Booksmart Studio in a sturdy mailer, labeled with “**DO NOT BEND.**” The use of cardboard inserts to prevent any possible bending or folding of the package will also ensure no damage is caused during mailing.

*Printed targets will not be returned, however, they will be filed for possible troubleshooting needs.*