

# CS6 - PRINTING IN COLOR ON THE EPSON 7800

Done tweaking in Photoshop? Ready to print? Follow these steps to ensure that your print resembles what you've got on screen!

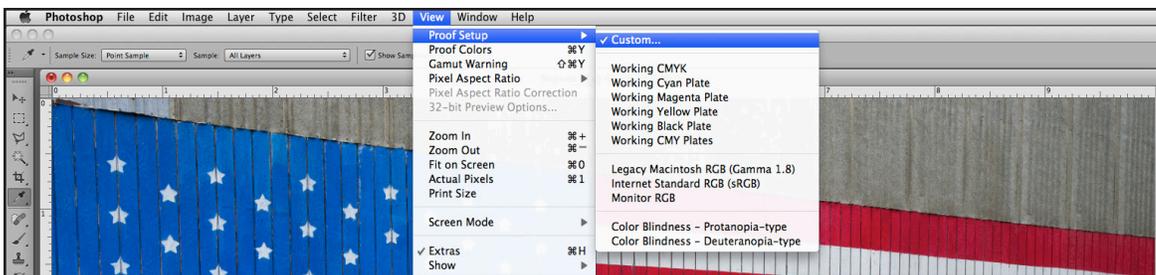


**Things to Note:** With few exceptions, you should be using the **Adobe RGB (1998)** color space. You can verify this by showing the **Document Profile** in the document window of Photoshop. You will change your color profile later on in the print workflow.

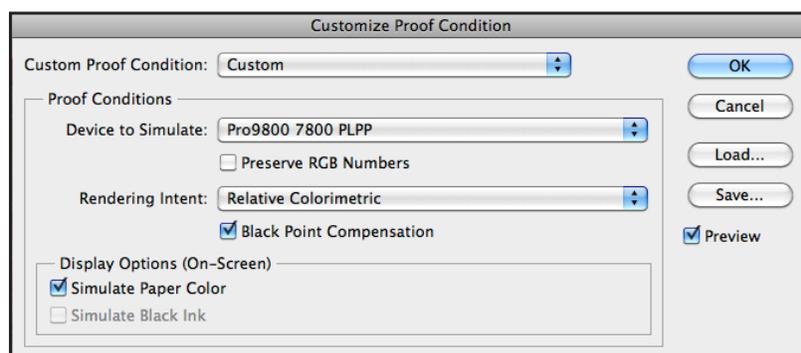
## Setting up a Soft Proof

A “soft proof” is a sort of sneak-preview that Photoshop gives you to get a ballpark idea of how your file will print on a certain printer paired with a certain paper. Different inksets and paper types can really affect how your print looks, and mistakes are expensive and time-consuming.

To set up a soft proof: **Click View > Proof Setup > Custom:**



For “**Proof Conditions**” the Device to Simulate is the printer profile for the paper type you are using. Fine Arts often uses Epson’s **Premium Photo Paper Luster** (also known as Premium Luster Photo Paper). Based on the table located on Epson’s site, the proper profile for that is the awkwardly named **Pro9800 7800 PLPP**:

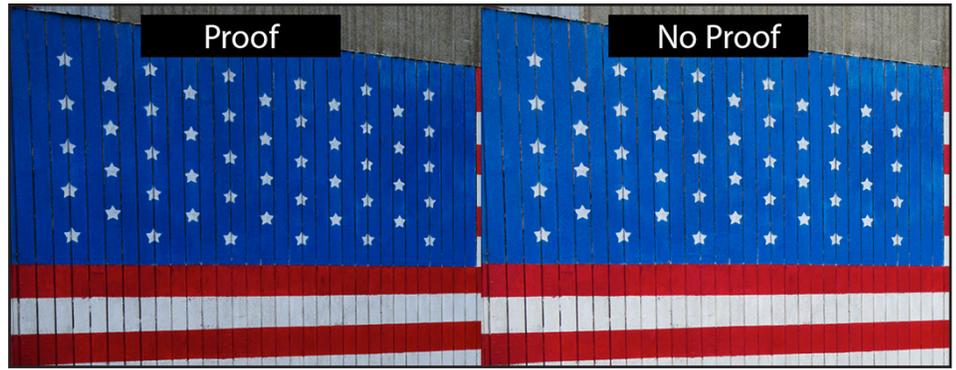


Leave Rendering Intent at “**Relative Colorimetric.**”  
Check “**Use Black Point Compensation.**” Click “**OK.**”

## Adjusting Your Image

Now that you have set up a soft proof, you may be seeing some subtle differences in your image as it is displayed on-screen.

Use adjustment layers to correct any shifts in tone, curves, or hue.

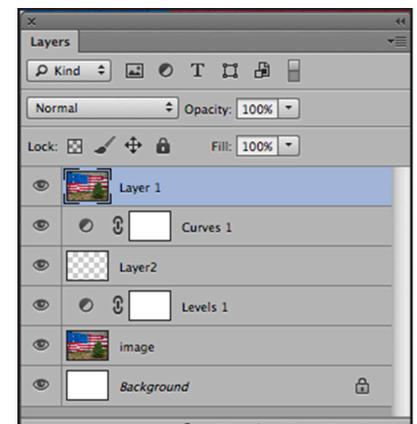
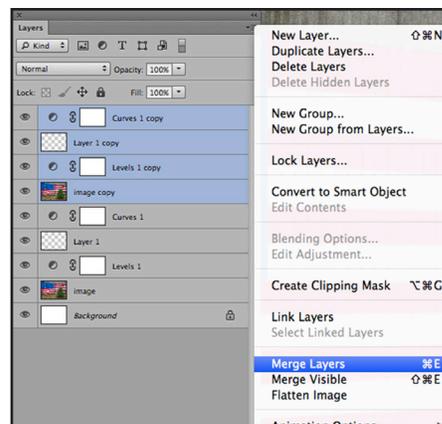
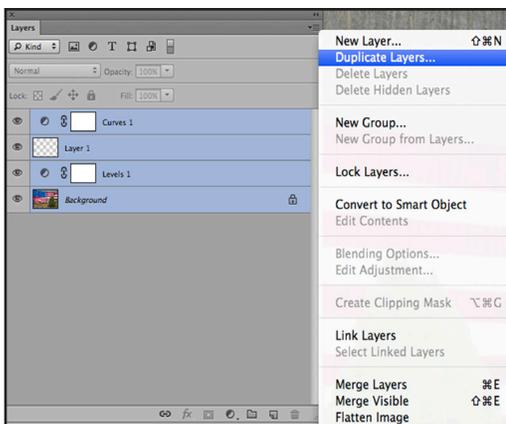


## Compensatory Sharpening

When you have edited and are satisfied with the look of your image, you may want to sharpen it to preempt any blurring that might occur on the printer.

### To accomplish this:

Select your image layer and all adjustment layers and duplicate them by clicking on the top right side of the layers palette. Make sure that the destination is your current document and click **OK**. A copy of these layers will be pasted above the original group. Select these new layers and merge them into one by clicking the right side of the layers palette and selecting **Merge Layers** (Cmd + E). You now have a layer of your image with the adjustments applied. You will apply sharpening to this topmost layer.



To perform the actual sharpening, you'll use Photoshop's "Unsharp Mask" filter, located in **Filter > Sharpen > Unsharp Mask**. For success in Unsharp Masking, use the following guidelines (not hard and fast rules) when sharpening:

### ALL IMAGES:

Amount = 100%  
Threshold = 4

### 60-100MB IMAGES:

Radius = 4 to 9

### 30MB IMAGES:

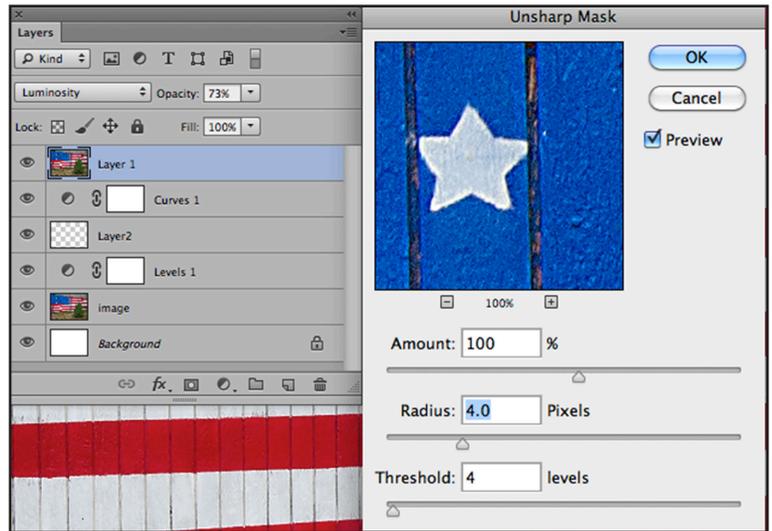
Radius = 2 to 5

### 1MB IMAGES:

Radius = .3 to 1.5

- Using Unsharp Mask continued -

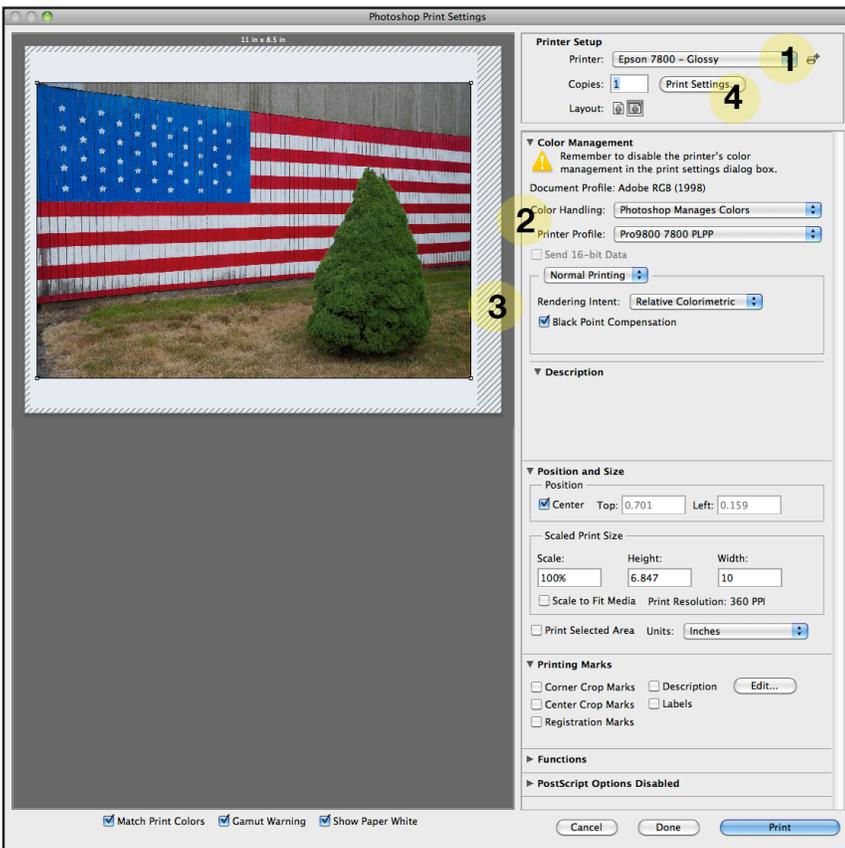
Make sure that **"Preview"** is clicked, and you have a detailed area in the Preview window to judge the level of sharpening. On Layers palette, set the **Blending Mode** (default = Normal) to **Luminosity**, then set the **Layer Opacity** to somewhere between 60 and 100% opacity -- use your judgment.



## Printing the Adjusted Image

Once the image has been sharpened, it is ready to be printed. **Careful attention must be paid to the settings in the print dialog box in order to get a print that reflects what is seen on the monitor.**

In Photoshop, click **File > Print (CMD-P)**. The Print dialog box appears. Follow these steps:



1. Select the correct printer – **Epson 7800 – Glossy**. (This tutorial assumes that the paper size being used is a standard 8-1/2" x 11" sheet.) Ensure the current Print Size will fit on your paper (if not, Cancel printing and adjust size in **Image > Image Size**).

2. In the **Color Management** area of the dialog box choose **"Photoshop Manages Color"** and for the **Printer Profile** choose **"Pro9800 7800 PLPP"** (which stands for Premium Luster Photo Paper).

3. Make sure **"Normal Printing"** is selected and the **Rendering Intent** is set to **"Relative Colorimetric"** and that the **"Black Point Compensation"** box is checked.

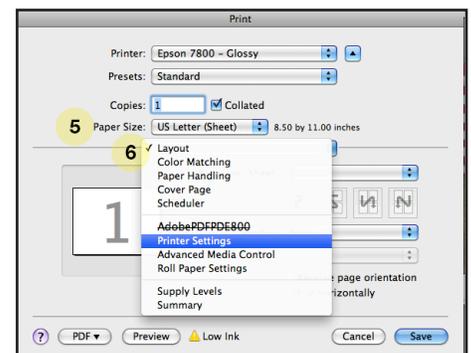
4. Click **"Print Settings"** to open the printer driver dialog box.

## Choosing the Correct Print Settings

Ensure that the Printer is still set to the **Epson 7800 – Glossy**.

5. In **Paper Size**, select **US Letter > US Letter (Sheet)**.

6. Click on the tab that says **Layout** and choose **"Printer Settings."**

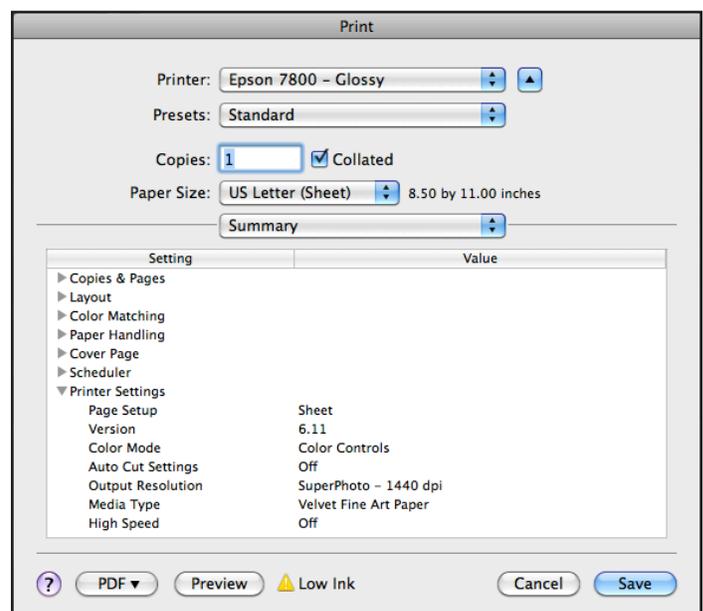
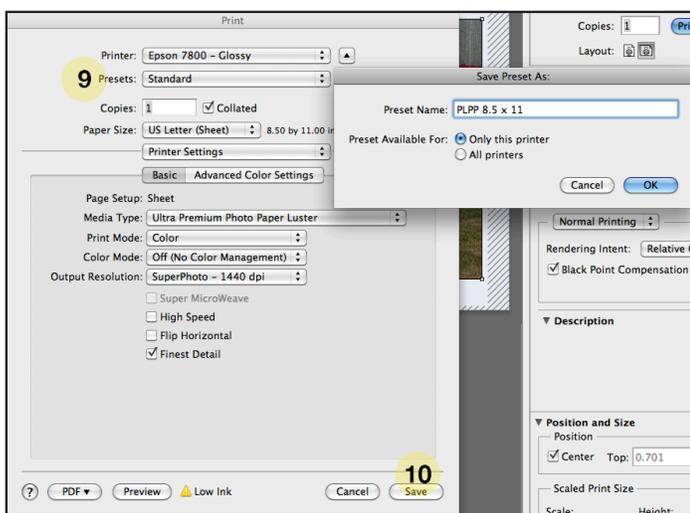
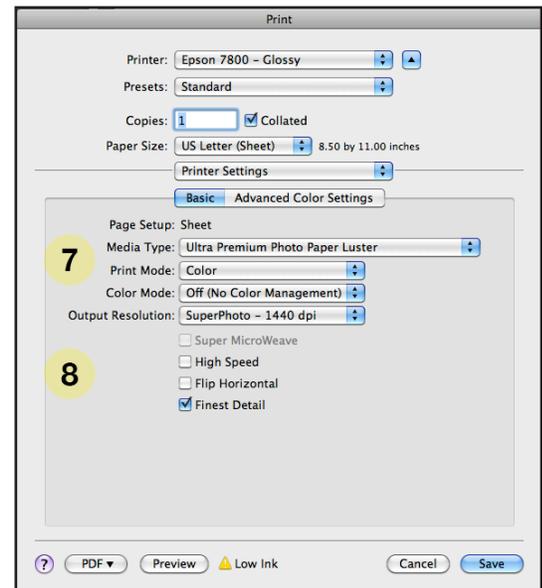


7. In **Media Type** choose “**Ultra Premium Photo Paper Luster.**” The **Print Mode** should be “**Color.**” The **Color Mode** should be “**Off (No Color Management).**” **Output Resolution** should be “**SuperPhoto – 1440 dpi.**”

8. Make sure that “**High Speed**” and “**Flip Horizontal**” are unchecked and that “**Finest Detail**” is checked. At this point it is possible to save all of your settings thus far as a **Preset.**

9. Click on the **Presets** tab and choose “**Save as.**” Name the preset something that is descriptive of the paper size and type and click “**OK.**” You can use this preset the next time you print from the same computer.

10. Click “**Save**” and return to the main Print Dialog Box.



**Note:** One way to ensure that all of your settings have been applied correctly is to view all of the settings in a **Summary.** To view a **Summary,** click once again on the **Print Settings** tab. In the resulting dialog box click on the **Layout** tab, scroll down and choose “**Summary.**” In this dialog box it is possible to review all of the settings that have been applied *before* sending to print. However, this step is **optional.** After reviewing the **Summary,** click **Save** to return to the main Print dialog box.

## Loading Paper in the 7800

Before sending the file to the printer, paper must first be loaded into the Printer. Load media into printer and ensure that no other job is waiting in the queue by asking classmates if they have just sent anything to the 7800. If a job is stuck in the queue, hold the **Pause** button down for 3 seconds on the printer panel to delete the job. (Detailed instructions for loading media are taped to the 7800.)

Click “**Print.**”