

# Monitor Calibration Settings

Each monitor has its own characteristics, depending on quality level, age, LCD or CRT screen format, and this is true even within the same brand of monitors. Therefore, for color matching, monitor calibration is very important. Monitor calibration by eye is not recommended for professional grade work.

## An elementary setting (without a reliable monitor calibration system):

For a basic set up, please make sure your display is suitably warmed up (not screen saver mode) for around an hour. For a consistent ambient light setting, normal room lighting is recommended. Sunlight and lights that produce reflections or glares should be avoided. The monitor should be at minimum 24-bit color mode. Adjust the Contrast and Brightness setting located either on the front of the monitor or from an on screen menu. Adobe Gamma which comes with Photoshop may also help to generate an elementary amateur monitor ICC profile.

## A more reliable monitor calibration method:

Although it does not guarantee perfect color matching between digital-soft proofing and the final printed project, using a monitor calibration system is highly recommended. This is in order to simulate a closer color matching result of the predictable final printing. It may cost only a fraction of a good monitor and it is a worthwhile investment to make. It will help eliminate correction costs and extra time needed for corrections down the road, and a more rewarding experience after all.

A monitor calibration system can range from few hundreds dollars with good reliability, to multiple times more with higher sophistications. Each should come with software and an electronic-eye-hardware to measure the following items: Shades of Gray, Gamma and White Points, Black Levels, Brightness and Contrast, Gamut Range of Color Saturation/ Color Hue, etc. A monitor calibration system enables you to generate a reliable monitor ICC profile which ensures a stable color translation from your monitor and working systems. Ultimately, it helps you to visualize colors on screen closed to the final output.

Please contact OGP for suggestion on different calibration systems and how it can help to achieve a closer color matching result.

The following are steps to take once you have generated a monitor ICC profile:

## COMPUTER SET UP

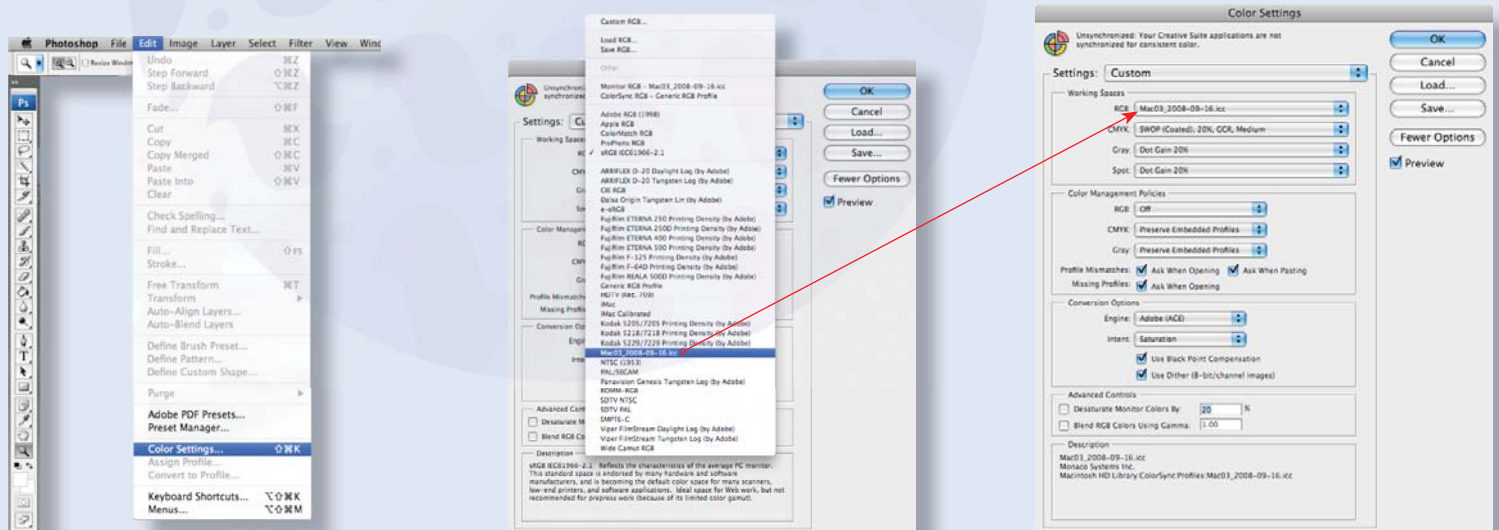


Step 1:  
When calibration is completed, save the ICC profile onto folder (Library/ColorSync/Profiles).

Step 2:  
Open System Preferences, then click the icon "Displays"

Step 3:  
Select your calibrated profile accordingly. For Example: "Mac03\_2008-09-16.icc"

## IMAGE SET UP



Step 1:  
Choose "Color Setting" on Menu bar – Edit from PhotoShop

Step 2:  
On RGB Working Space, choose your calibrated RGB profile