



For an accurate representation on screen of what will be produced by your printer it is important that your monitor is properly calibrated and profiled before printing using profiles. Remember if you had a profile made one combination of printer/paper/inks you cannot use this profile for any other combination of printer/paper/inks.

## printing with Photoshop and Elements

### profile installation

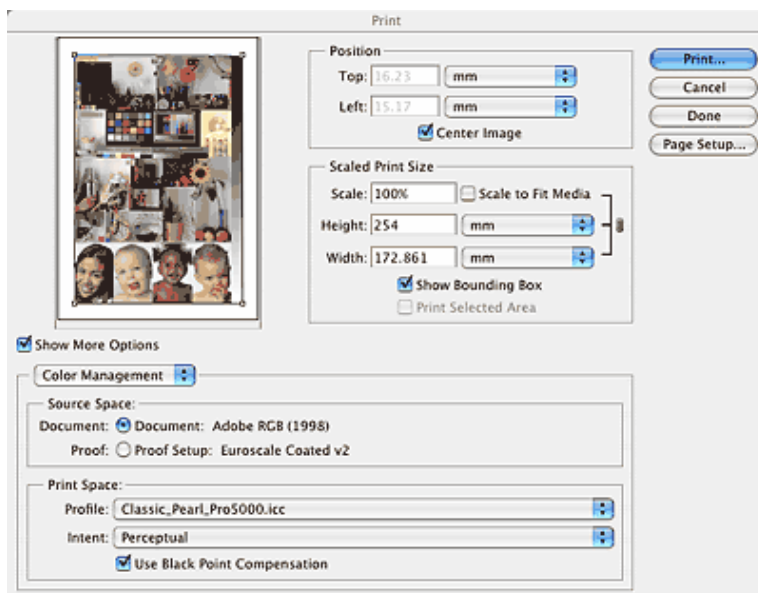
When you receive custom profiles from PicWorks they must be placed in the following directories.

- Windows 98 and ME: C:\Windows\System\Color
- Windows 2000: C:\WinNT\System32\Spool\Drivers\Color
- Windows XP: C:\Windows\System32\Spool\Drivers\Color
- Mac OS9: System Folder/Colorsync Profiles
- Mac OSX: Users/yourusername/Library/Colorsync/Profiles

Photoshop and Elements scan for profiles while launching, if your application is open when installing the profiles you will need to restart it before they can be used.

### printing

1. From the menu at the top of your screen choose 'File' then 'Page Set Up' select the paper size and orientation. Note: With some printers failing to select 'Borderless' will make this option unavailable in Photoshop.
2. From the same menu now choose 'File' then 'Print with Preview' ('Print Preview' in Elements), the following window will appear.



3. Click 'Show More Options' if it is not already selected.
4. Choose 'Colour Management' from the drop down list.
5. Under 'Source Space' choose 'Document', (your documents profile will be displayed).
6. Under 'Print Space' and 'Profile', choose the profile that was made for the printer/paper/ ink combination you are printing to from the drop down list.
7. Under 'Intent' choose 'Perceptual' from the drop down list.
8. 'Use Black Point Compensation' should be checked.
9. Click 'Page Setup...'' to choose your printer or change orientation, if required.
10. Click 'Print...'' to go to your selected printers driver.

The following instructions are for guidance only. Each printer manufacturers driver will be different, the important point is that no automatic colour adjustment takes place. So before printing please read your printer's handbook and double check that colour management in your printer driver is turned off.

### **Instructions For Epson Printers.**

If you followed our instructions on printing the target files for profile creation you may have already saved your printer settings, if so follow the steps below up to the point where you would click the 'Advanced' button. Instead of clicking the button however, select from the drop down list above the button the settings you saved previously. The click 'OK' to return to the 'Print' window and again to print the target image.

1. In the 'Print' window click on 'Properties'.
2. In the 'Printing Preferences' window select the 'Main' tab.
3. Under 'Mode' select 'Custom' then click the 'Advanced' button
4. In the 'Advanced' window under 'Media Type' select the paper recommended by the media manufacturer or the best setting to use determined by previous testing.
5. Depending on your driver choose one of the following.
  - a. Under 'Printer Colour Management' select 'Off (No Colour Adjustment)
  - b. Under 'Colour Management' or 'Colour' select 'Colour Adjustment' and under 'Mode' select 'No Colour Adjustment' from the drop down list.
6. Under 'Print Quality' select the resolution you are going to print your images with. For images with fine detail we would recommend a resolution of 1440dpi or above.
7. When you are happy with your settings click on the 'Save Settings' button and save the settings with a name that you will remember as you will need to recall these settings whenever you print to the chosen media with the created profile.
8. Click 'OK' to return to the 'Main' tab of the 'Printing Preferences' window.
9. Click 'OK' to return to the 'Print' window.
10. Click 'OK' to print the target image.

### **Instructions For Canon Printers.**

If you followed our instructions on printing the target files for profile creation you may have already saved your printer settings, if so follow the steps below up to the point where you would select the 'Main' tab. Instead select the 'Profiles' tab, highlight the settings you saved previously. Then click the 'Retrieve from Profiles' button. A dialogue will open asking you if you want to change the settings, click 'OK' to return to the 'Profiles' tab in the 'Canon Printer Properties' window, click 'OK' to return to the 'Print' window and again to print the target image.

1. In the 'Print' window click on 'Properties'.
2. In the 'Canon Printer Properties' window select the 'Main' tab.
3. Under 'Media Type' select the paper recommended by the media manufacturer or the best setting to use determined by previous testing.
4. Under 'Print Quality' select 'High' if the option is available.
5. Under 'Colour Adjustment' select 'Manual' then click on the 'Set' button.
6. In the 'Manual Colour Adjust' window under 'Colour Balance' all sliders should be set to zero.
7. The 'Enable ICM' checkbox should be unchecked.
8. Under 'Print Type' select 'None' from the drop down list.
9. Click 'OK' to return to the 'Canon Printer Properties' window.
10. 'Grayscale Printing' and 'Preview Before Printing' should both remain unchecked.
11. To save your settings click the 'Apply' button at the bottom of the window, then select the 'Profiles' tab (the name of this tab has nothing to do with the colour profiles used in colour management.)
12. Under 'Printing Profiles' highlight 'Current Settings' then click the 'Add to Profiles' button.
13. In the 'Add to Profiles' window give the settings a name that you will remember as you will need to recall these settings whenever you print to the chosen media with the created profile. You can add additional information in the 'Description' box.
14. Click 'OK' to return to the 'Profiles' tab in the 'Canon Printer Properties' window.
15. For the other tabs make sure there are no selections.
16. Select the 'Main' tab and check your settings.
17. Click 'OK' to return to the 'Print' window.
18. Click 'OK' to print.