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Follow the instructions on printing the targets for profile creation below very carefully, failure to do so could result in a profile that is of no use at all.

## custom ICC profiles for your printer

### Pre Printing Checks.

1. Check the colour settings in Adobe Photoshop, ensure that the settings are as described in the 'Photoshop Colour Settings' document available from our downloads page.
2. Carry out the maintenance as recommended by your printers manufacturer e.g. print head alignment check and nozzle test. This will make certain your printer is in it's optimum working condition.
3. Check the recommended printer settings for the media you are printing on. For example, using an independent manufacturers 'photo paper' does not mean that you should choose the 'photo paper' setting in your printer driver. If you do too much or too little ink may be deposited on the paper resulting in incorrect tonal separation. Manufacturers often include with their paper or have on their web site recommended settings for different printers.

If you cannot determine the best settings for the media type you are using go to our web site at:

<http://www.PicWorks.co.uk/download.html>

As printers even of the same make and model can differ slightly in the amount of ink they lay on the paper we would suggest that you download and use our 'Printer/Media Test Files' following the instructions enclosed, this will ensure you are printing with the best configuration for the media type used.

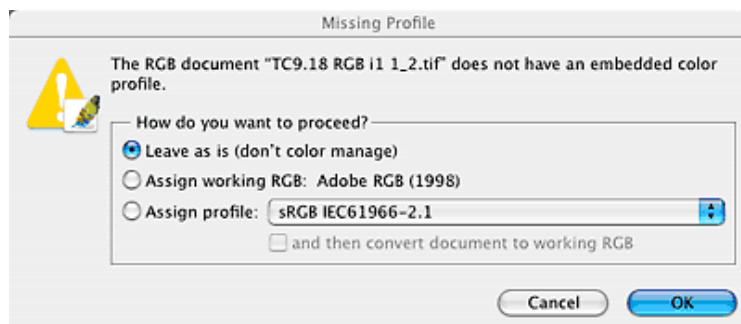
When you are happy with all of the above you can proceed to print the targets.

### Printing the target.

If you have chosen to purchase an 'Economy' printer profile then download and open the i1 RGB 1.5 target in Photoshop. The i1 RGB 1.5 target has 288 patches of colour, it will produce a good quality profile and is used by many other companies as their standard profiling target.

If you require the highest quality profile download and open the TC9.18 target in Photoshop. The TC9.18 target has 918 patches of colour.

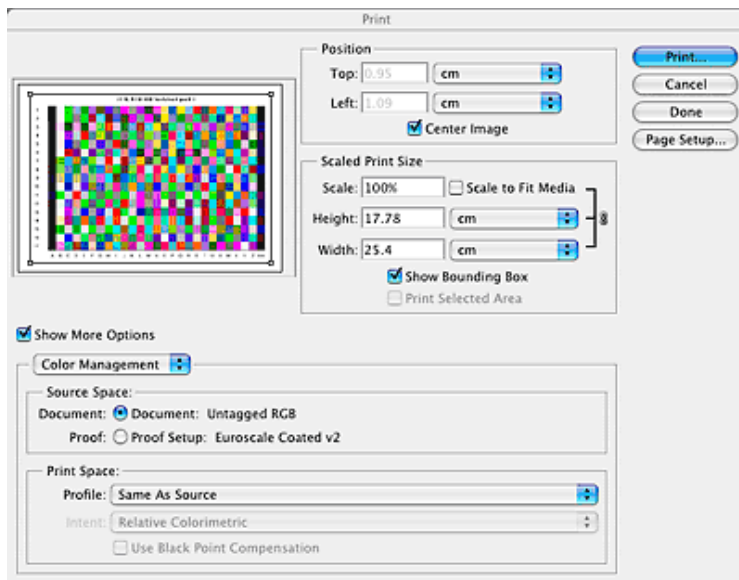
If your colour settings in photoshop are set correctly you will see a 'missing profile' dialogue box similar to below.



Select: 'Leave as is (don't colour manage)' and click OK.

The chosen target will now open in Photoshop. It is very important that no changes are made to this file other than to rotate it if you want.

From the menu at the top of your screen choose 'File' then 'Print with Preview' ('Print Preview' in Elements), the following window will appear.



1. Click 'Show More Options' if it is not already selected.
2. Choose 'Colour Management' from the drop down list.
3. Under 'Source Space' choose 'Document', ('Untagged RGB' should be displayed as the document does not contain an embedded profile).
4. Under 'Print Space' and 'Profile', choose 'Same as Source' from the drop down list
5. Click 'Page Setup...!' to choose your printer or change orientation, if required.
6. 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.

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.

To print the second part of the TC9.18 target follow all the steps above 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.

#### Instructions For Canon Printers.

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.

To print the second part of the TC9.18 target follow all the steps above 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.

Assuming you have now successfully printed the targets Let them dry for at least 12 hours.

Write clearly along the very edge of the print, the printer/paper/resolution combination e.g.

1290/photograg188/1440. This will form the name of your profile e.g. 1290\_photograg188\_1440.icc.

Do not write close to the colour patches, do not write on the back of the print.

The surface of the print/s must reach us unmarked if we are to create a good profile.

If you are sending the targets to us for our remote profiling service then we suggest that you place a clean sheet of white paper over the surface of the prints, place them with your order form and payment in a strong board backed envelope. Face the print surfaces to the thicker, back of the envelope for added protection.

Mark the envelope 'Please Do Not Bend' and post to:

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