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DTG Digital Color Learning Guide
Epson Printing - Photoshop CS2
on Windows

| Epson Printing - Photoshop CS2 on Windows	*Page: 1*

The following instructions will guide you through the process of printing color images through Adobe Photoshop CS2 on a Windows operating system. Before we begin with the step by step guide, let's describe how to install ICC profiles as well as clarify DTG's nomenclature for our ICC profiles.

Installing ICC Profiles on a Windows System:

1. Download or copy the ICC profile to your desktop or other location on your computer.
2. Right click the ICC profile and left click "Install Profile". That's it!
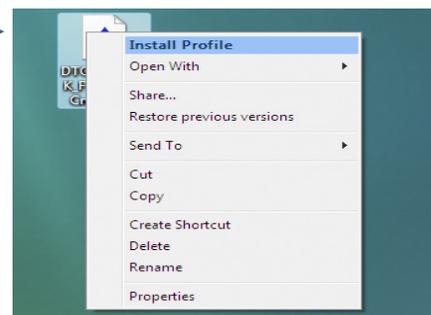
Installing ICC Profiles on a Macintosh:

1. Download or copy the ICC profile to your computer.
2. Copy the profile to the following folder: *Macintosh HD/Library/Colorsync/Profiles*
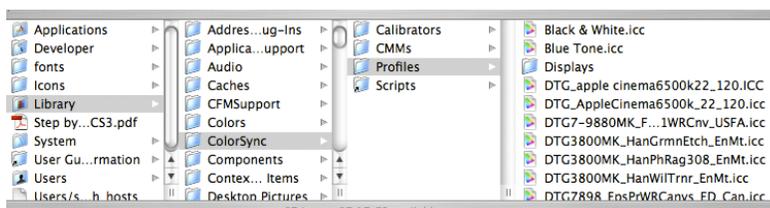
Interpreting DTG's Profile Names

Due to file name length limitations we must abbreviate many parts within the profile's name. We have tried to be very consistent in naming our profiles so look for this pattern: They always begin with the letters "DTG", followed by the printer model(s), followed by the black ink type (only if matte black is used), followed by the media name, finishing with the media setting you should set the driver to.

Example 1: **DTG4880MK_HahnSmPhtRg308_USFA.icc**

This is for an Epson **4880** printer using **M**atte Blac**k** ink, for **Hahn**emuhle **Sm**ooth **Ph**o**t**o **R**a**g 308**gsm, and the media setting in the Epson driver should be set to **U**ltra **S**mooth **F**ine **A**rt Paper.

Example 2: **DTG7898_Frd777Cnvs_Canvas.icc**

This is for an Epson **78**00 or **98**00 printer using Photo Black ink (because there is no MK referenced in the name), for **Fred**rix **777 C**a**nv**a**s**, and the media setting in the Epson driver should be set to **Canvas**.

Please Note: In some of our older profile names you may see the letters "ED". ED stands for Epson Driver and these letters are really unnecessary as all of our proifles are for the Epson driver unless we specify otherwise. ***Also Note:*** All of DTGs Epson ICC profiles are created for 1440x720 DPI printing resolution unless otherwise noted at the end of the profile name.

Please continue on to the following pages for a step by step process in printing color images from Adobe Photoshop CS2 on a Windows operating system.

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Launch Adobe Photoshop and open the image file you wish to print. At this point we are assuming that you have made all of your color corrections to the image that you want and that you have sized it to your desired output size in the Image Size dialog.

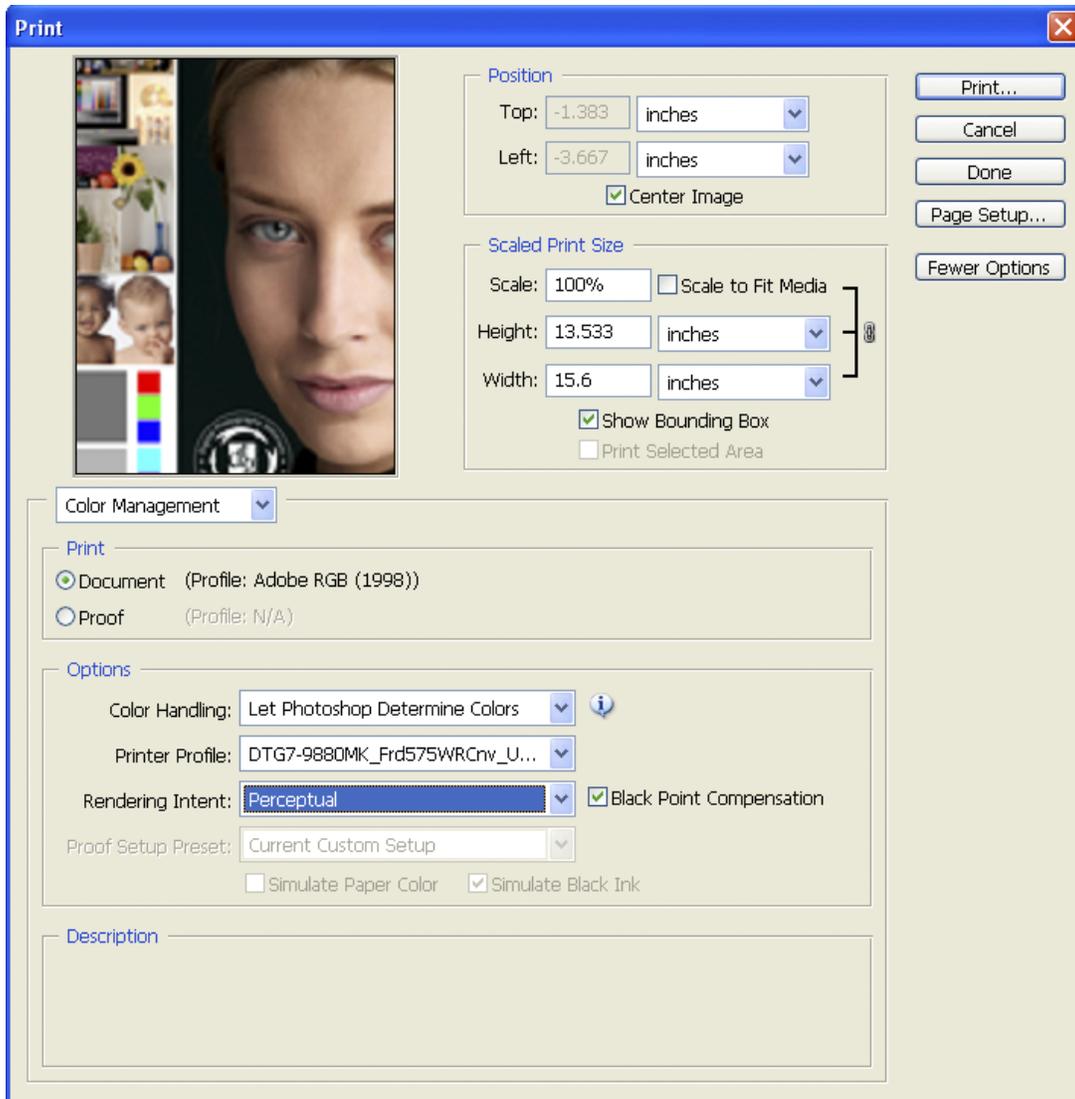**1.**   Go to the File Menu and choose Print with Preview...

D I G I T A L   T E C H N O L O G Y   G R O U P

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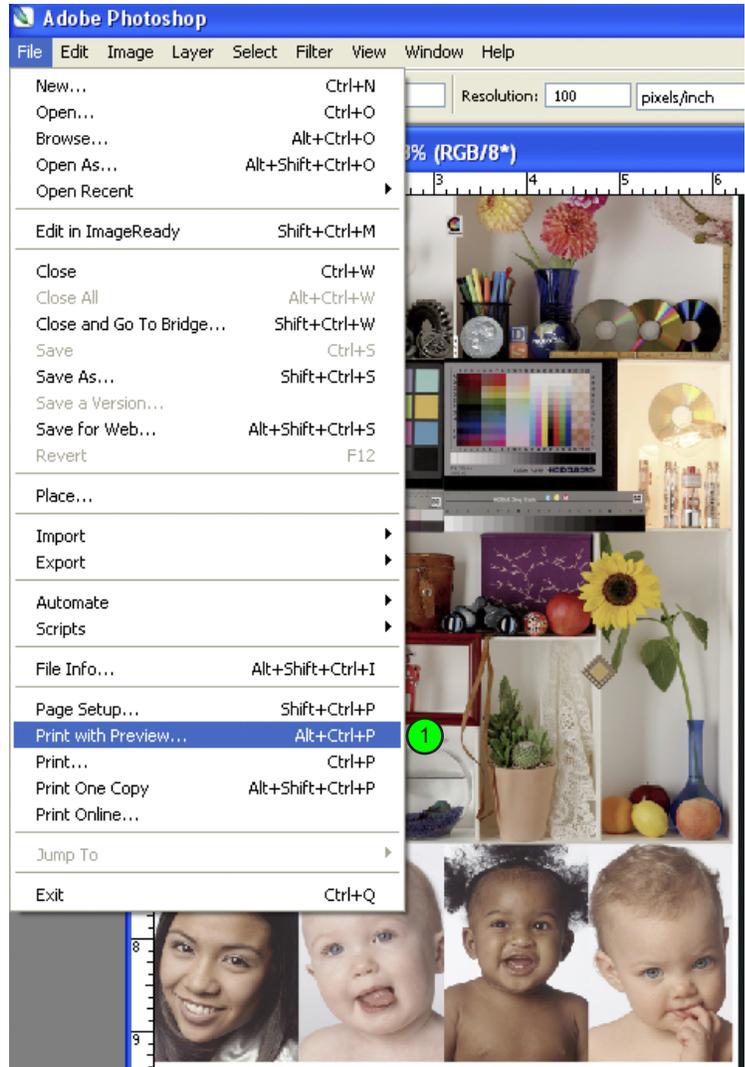
After you've selected Print with Preview, Photoshop's main print dialog box will pop up. Notice that your image may or may not fit within the default page size (usually letter size). In the example below, the image size is roughly 15.6 inches wide by 13.5 inches tall, so it's being "clipped" by the smaller 8.5x11 page size. Therefore, we need to select a larger page size.

1. Click the Page Setup button so that we can select a proper page size. We will also set our driver specific settings for media, quality, and other options.

Print

Position

Top: -1.383   inches

Left: -3.667   inches

☑ Center Image

Scaled Print Size

Scale: 100%   ☐ Scale to Fit Media

Height: 13.533   inches

Width: 15.6   inches

☑ Show Bounding Box

☐ Print Selected Area

Print...
Cancel
Done
Page Setup...
Fewer Options

Color Management

Print
⦿ Document   (Profile: Adobe RGB (1998))
◯ Proof   (Profile: N/A)

Options
Color Handling: Let Photoshop Determine Colors ⓘ
Printer Profile: DTG7-9880MK_Frd575WRCnv_U...
Rendering Intent: Perceptual   ☑ Black Point Compensation
Proof Setup Preset: Current Custom Setup
☐ Simulate Paper Color   ☑ Simulate Black Ink

Description

D I G I T A L   T E C H N O L O G Y   G R O U P

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After you clicked Page Setup on the previous page, the dialog to the right pops up.

1. Click the Printer button.
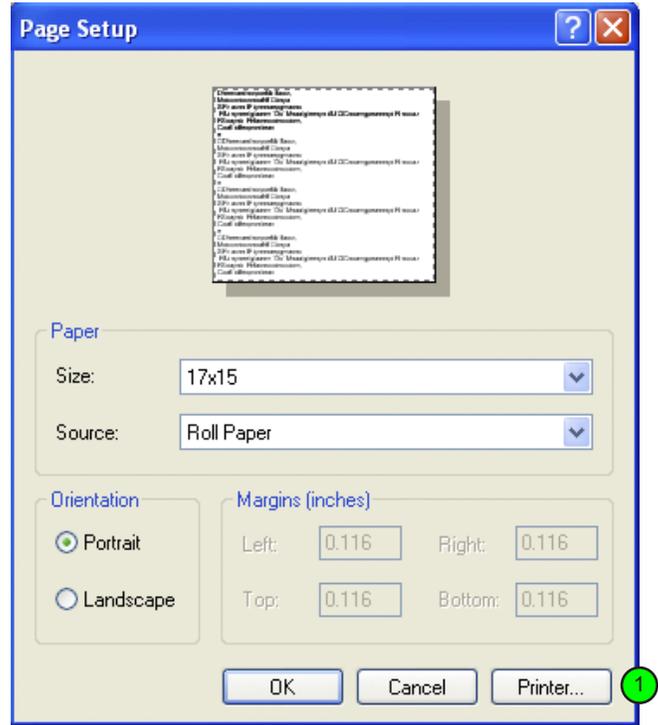
After you click the Printer button the below box will pop up.

2. Make sure your printer is selected in the Name drop list.

3. Click the Properties button.

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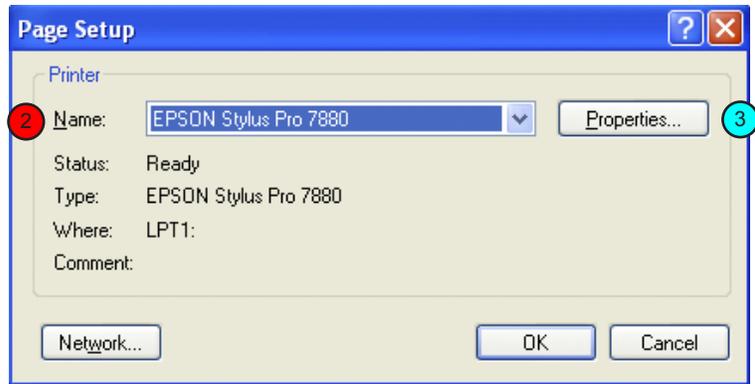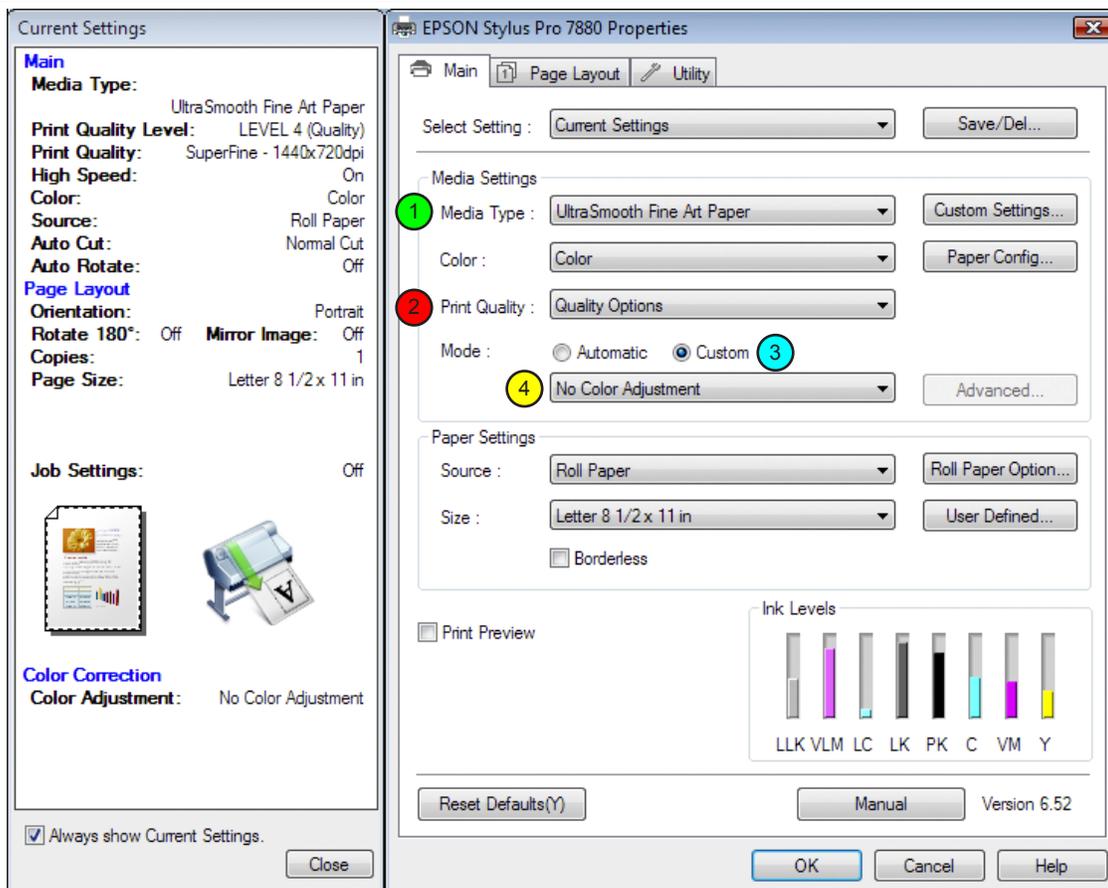*After you clicked the Properties button on the previous dialog, the printer's properties window will come up as shown below. Before we set our page size and paper settings in this dialog box, let's set our media, quality, and mode settings.*

1. Select the correct media type. This is extremely important in achieving accurate color. You need to choose the media type that matches the setting in the ICC profile that you are using. Please refer to page one of this document for further information.

2. Set your Print Quality to "Quality Options". Once you select quality options a dialog box will pop up. Slide the slider to position 4 or until the print quality reads "Superfine - 1440x720 dpi". Check the "High Speed" option and do not select "Edge Smoothing" or "Finest Detail".

3. In the "Mode" Section select "Custom".

4. Select "No Color Adjustment" in the drop list under "Custom".

Do NOT Click OK yet!!!

Current Settings

Main
Media Type:
  UltraSmooth Fine Art Paper
Print Quality Level: LEVEL 4 (Quality)
Print Quality: SuperFine - 1440x720dpi
High Speed: On
Color: Color
Source: Roll Paper
Auto Cut: Normal Cut
Auto Rotate: Off
Page Layout
Orientation: Portrait
Rotate 180°: Off **Mirror Image:** Off
Copies: 1
Page Size: Letter 8 1/2 x 11 in

Job Settings: Off

Color Correction
Color Adjustment: No Color Adjustment

☑ Always show Current Settings.

Close

EPSON Stylus Pro 7880 Properties

🖨 Main | Page Layout | Utility

Select Setting : Current Settings ▼   Save/Del...

Media Settings

1 Media Type : UltraSmooth Fine Art Paper ▼   Custom Settings...

Color : Color ▼   Paper Config...

2 Print Quality : Quality Options ▼

Mode : ○ Automatic ● Custom **3**

4 No Color Adjustment ▼   Advanced...

Paper Settings

Source : Roll Paper ▼   Roll Paper Option...

Size : Letter 8 1/2 x 11 in ▼   User Defined...

☐ Borderless

☐ Print Preview

Ink Levels

LLK VLM LC LK PK C VM Y

Reset Defaults(Y)   Manual   Version 6.52

OK   Cancel   Help

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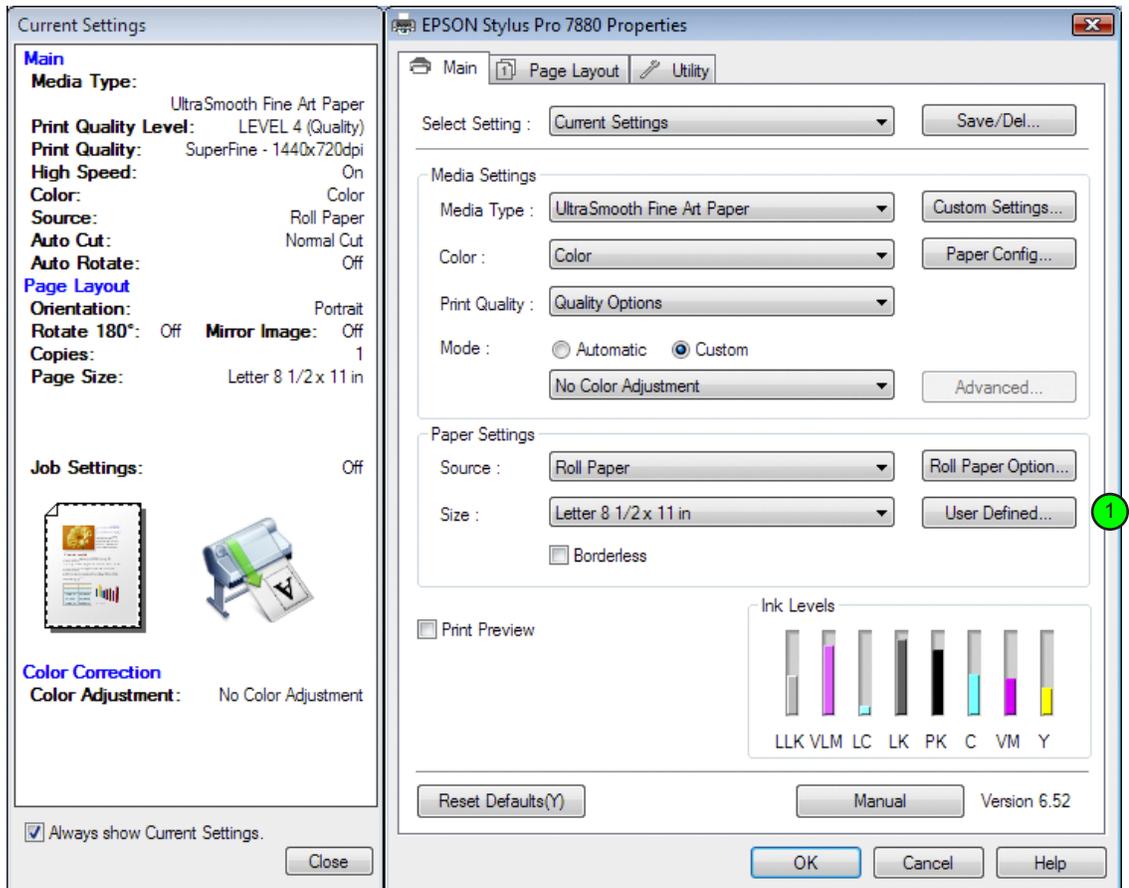SYSTEMS > SUPPLIES > SUPPORT

Epson Printing - Photoshop CS2 on Windows   *Page: 6*

On this same Printer Properties window we can set our page size. You can select from a preset size list or create your own custom size. Our image in this example is an odd size - 15.6 inches wide by 13.5 inches tall so we will create a custom page size.

1.   Click on the User Defined button next to the Size drop list in the Paper Setting Section.

* Please note that in choosing a paper size you do not need to select the size of the roll of paper that you have loaded in the printer. You just need to select or create a large enough page size that fits the image size of the file that you are trying to print.

Current Settings

Main
Media Type:
                    UltraSmooth Fine Art Paper
Print Quality Level: LEVEL 4 (Quality)
Print Quality: SuperFine - 1440x720dpi
High Speed: On
Color: Color
Source: Roll Paper
Auto Cut: Normal Cut
Auto Rotate: Off
Page Layout
Orientation: Portrait
Rotate 180°:   Off   **Mirror Image:**   Off
Copies: 1
Page Size: Letter 8 1/2 x 11 in

Job Settings: Off

Color Correction
Color Adjustment: No Color Adjustment

☑ Always show Current Settings.

Close

EPSON Stylus Pro 7880 Properties

🖨 Main | 📄 Page Layout | 🔧 Utility

Select Setting : | Current Settings ▼ | Save/Del...

Media Settings
Media Type : | UltraSmooth Fine Art Paper ▼ | Custom Settings...
Color : | Color ▼ | Paper Config...
Print Quality : | Quality Options ▼ |
Mode :   ○ Automatic   ● Custom
           | No Color Adjustment ▼ | Advanced...

Paper Settings
Source : | Roll Paper ▼ | Roll Paper Option...
Size : | Letter 8 1/2 x 11 in ▼ | User Defined...   **1**
☐ Borderless

☐ Print Preview

Ink Levels

LLK VLM LC LK PK C VM Y

Reset Defaults(Y)   Manual   Version 6.52

OK   Cancel   Help

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Once you click the User Defined button you will be brought to the following dialog where you can specifiy your own custom paper size.

1. Click inside the Paper Size Name box and change the name from "User Defined" to a name that corresponds to the size of the custom paper that you are creating. In this case we named it "17x15".

2. Type in your desired paper width.

3. Type in your desired paper height.

4. Click the Save Button.

5. Click OK
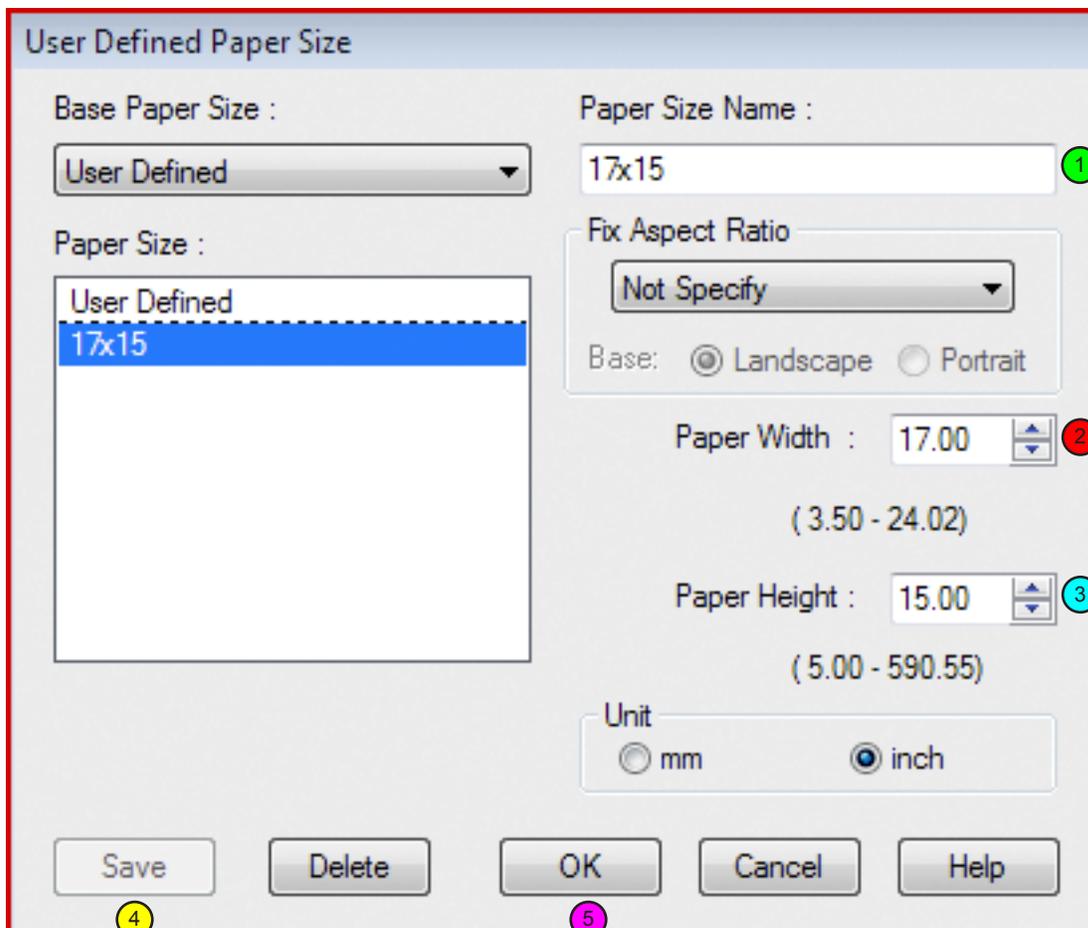
User Defined Paper Size

Base Paper Size :
User Defined

Paper Size Name :
17x15 ①

Paper Size :
User Defined
17x15

Fix Aspect Ratio
Not Specify

Base: ● Landscape ○ Portrait

Paper Width : 17.00 ②
(3.50 - 24.02)

Paper Height : 15.00 ③
(5.00 - 590.55)

Unit
○ mm   ● inch

Save ④   Delete   OK ⑤   Cancel   Help

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Notice that the page size you just created is now showing in the Size: drop list. We are now finished with this properties box.
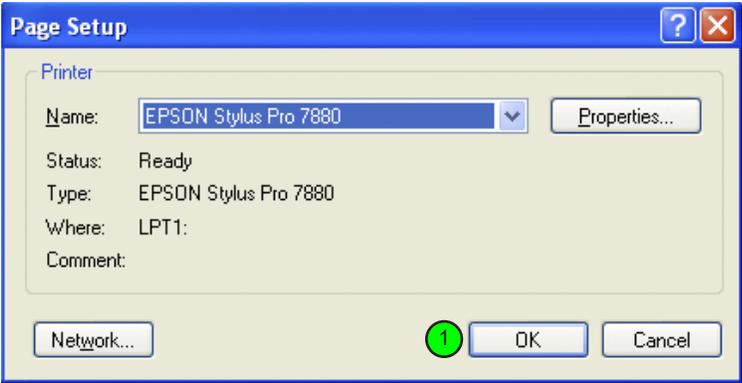
1. Click OK

Current Settings

Main
Media Type:
UltraSmooth Fine Art Paper
Print Quality Level: LEVEL 5 (Max Qu...
Print Quality: SuperPhoto - 2880x1440dpi
High Speed: On
Color: Color
Source: Roll Paper
Auto Cut: Normal Cut
Auto Rotate: Off
Page Layout
Orientation: Portrait
Rotate 180°: Off **Mirror Image:** Off
Copies: 1
Page Size: 17x15

Job Settings: Off

Color Correction
Color Adjustment: No Color Adjustment

☑ Always show Current Settings.

[Close]

EPSON Stylus Pro 7880 Properties

🖨 Main | Page Layout | Utility

Select Setting : [Current Settings ▼] [Save/Del...]

Media Settings
Media Type : [UltraSmooth Fine Art Paper ▼] [Custom Settings...]
Color : [Color ▼] [Paper Config...]
Print Quality : [Max Quality ▼]
Mode : ○ Automatic ● Custom
[No Color Adjustment ▼] [Advanced...]

Paper Settings
Source : [Roll Paper ▼] [Roll Paper Option...]
Size : [17x15 ▼] [User Defined...]
☐ Borderless

☐ Print Preview

Ink Levels

LLK VLM LC LK PK C VM Y

[Reset Defaults(Y)] [Manual] Version 6.52

① [OK] [Cancel] [Help]

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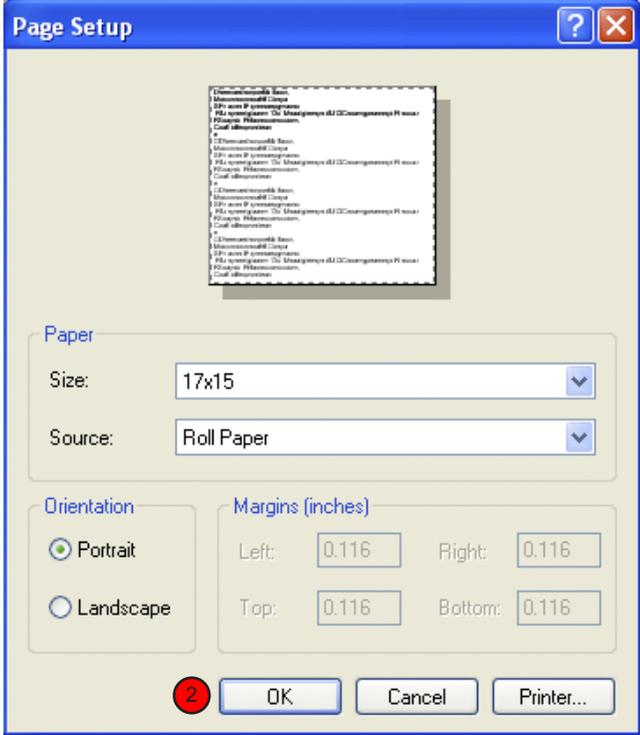*Epson Printing - Photoshop CS2*
on Windows

After you click the OK button on the Epson printer properties it will take you back to the Page Setup box to the right.
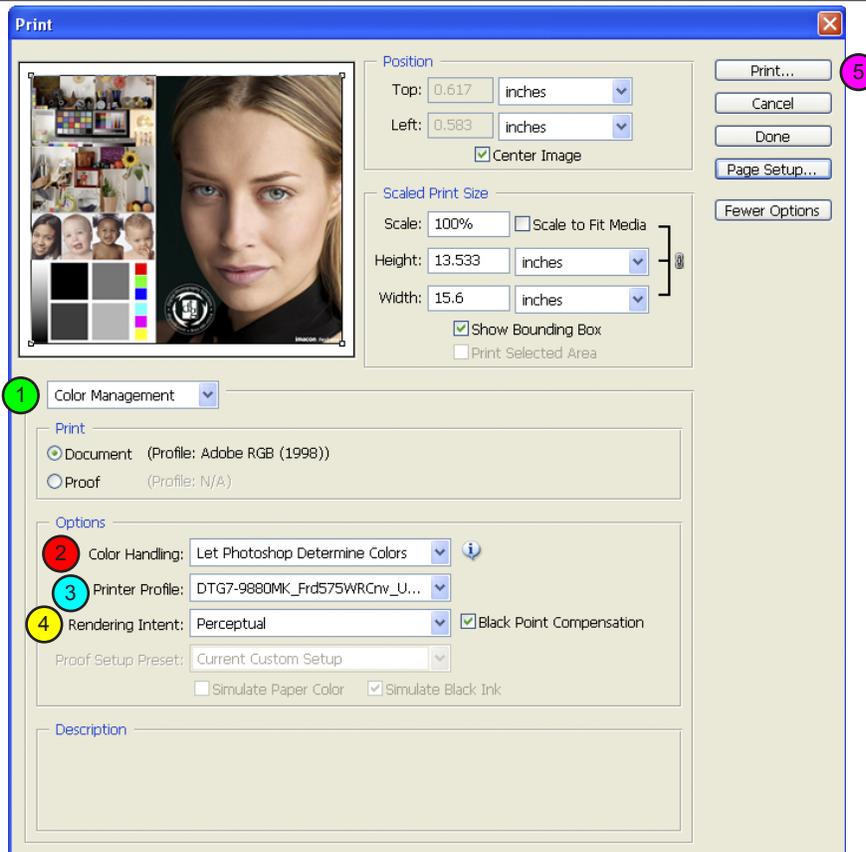
1.   Click the OK Button

Page Setup

Printer

Name: EPSON Stylus Pro 7880   Properties...

Status: Ready
Type: EPSON Stylus Pro 7880
Where: LPT1:
Comment:

Network...   1   OK   Cancel

After you click the previous OK button you still have the below dialog box open.

2.   Click the OK Button.

Page Setup

Paper

Size: 17x15

Source: Roll Paper

Orientation
• Portrait
○ Landscape

Margins (inches)
Left: 0.116   Right: 0.116
Top: 0.116   Bottom: 0.116

2   OK   Cancel   Printer...

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Epson Printing - Photoshop CS2 on Windows   *Page: 10*

Once you click OK on the previous boxes you are back to Photoshop's Print dialog box. Notice that our image is not being clipped or cut off now that we've selected the proper page size. Now, we will set our color management specific settings in this dialog box.
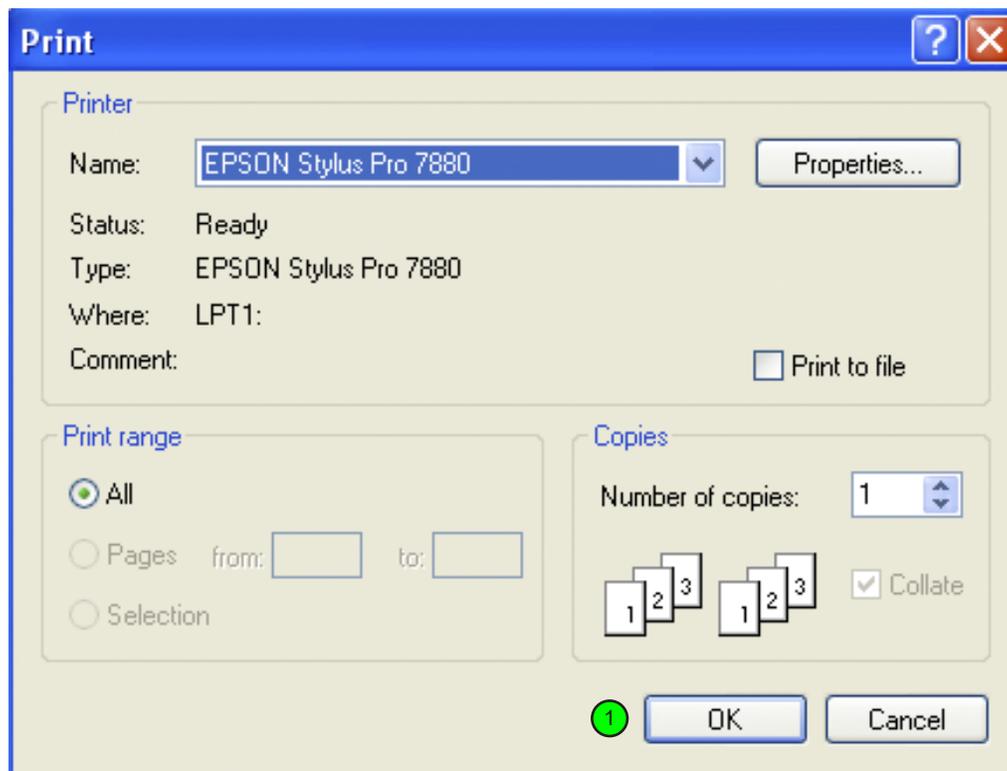
1. Make sure you select "Color Management" from the drop list underneath the image preview. The choices are Output and Color Management.

2. Choose "Let Photoshop Determine Colors" from the drop list by Color Handling.

3. Choose the appropriate ICC profile from the printer profile drop list. This profile is specific to your printer, inkset, and the paper or media you are printing to. In the below example we will be printing to an Epson 7880 printer with matte black ink on Fredrix 575WR Canvas.

4. Choose a Rendering Intent: We recommend Perceptual or Relative Colorimetric. Either choice can subtly affect the output density or colors. Check Blackpoint Compensation.

5. Click the Print Button.

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Once you click Print, a Windows specific print box comes up as shown below.

1. Click OK.

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We hope that this has been a helpful guide to you in your efforts in producing beautiful, color accurate prints on your Epson printer. If you have any further questions please do not hesitate to contact DTG at 800.681.0024. You can also visit our support page on our web site at http://www.dtgweb.com/support

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