
Epson Stylus Pro 7800 Install Guide

Using the Epson with
KCPS

Jim Read

Installing the Epson Stylus Pro Printer Driver

Download the latest driver from Epson's website (<http://www.epson.com>) and install according to their instructions. Verify that the Windows printer driver is working by printing from Photoshop or Paint.

Setting Up a Printer in KCPS for the Epson Stylus Pro Printer

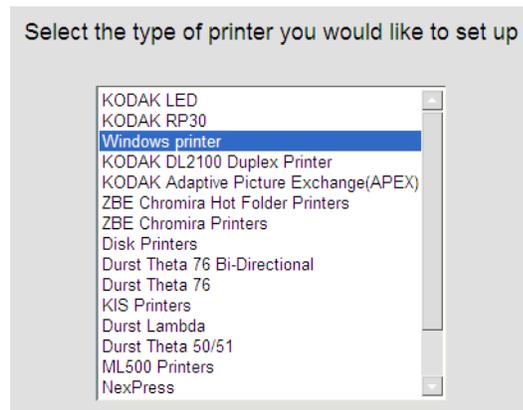
The Epson Stylus Pro 7800 is supported as a Windows printer using Epson's print driver.

Log in to the KCPS Administration functions and go to Printing-Setup.

Setting up the KCPS Printer

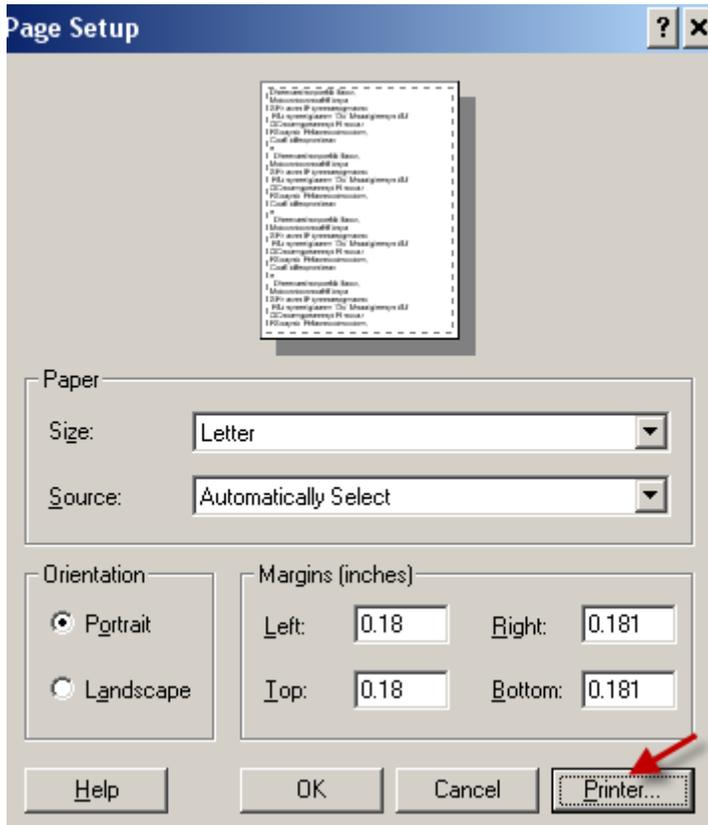
Set up a Windows printer for each print size that will be printed by the Epson 7880 printer.

1. Open the Printer Setup window and click the **“Windows printer”** option from the list.

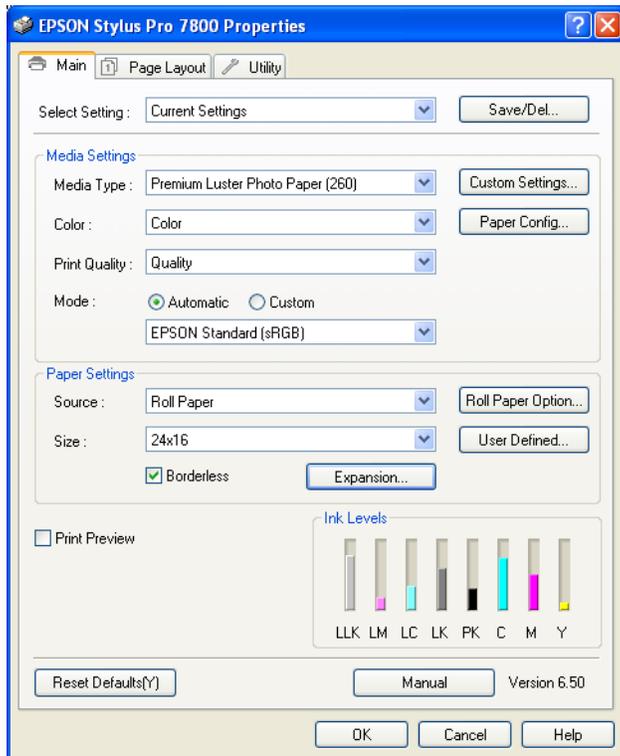


2. Next, you'll need to assign a printer name that is appropriate such as "Epson 16x20".
3. Click **Next**.
4. Assign a Config File for this printer and give it a matching name such as "Epson 16x20".

5. Click **Page Setup**. Do not make changes here. Changes made in the printer's page setup will be reflected here.



- From **Page Setup**, click **Properties**. Choose the media settings that are right for the paper.



Key Settings

Mode Settings - Mode (Color Management)

Good results can be obtained if you do not use a color profile in KCPS thus delivering an sRGB image to the Epson driver and enabling Automatic color correction using Epson Standard (sRGB) correction in the driver. To use an ICC profile in KCPS for color correction, click **Custom Mode** and select **No Color Adjustment** from the drop-down menu.

Size and Expansion

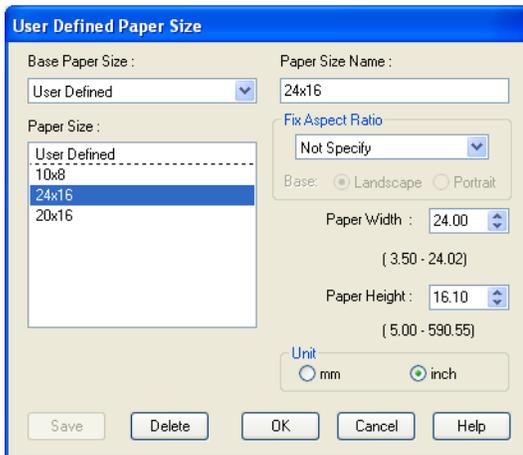
Below are recommended settings to print a 16x24 on 24" roll paper:

User Defined Paper Size

<i>Paper Size Name</i>	24x16
<i>Fix Aspect Ratio</i>	Not Specify
<i>Paper Width</i>	24.00
<i>Paper Height</i>	16.1 (this is 16 + 0.1")
<i>Unit</i>	inch

Expansion

<i>Auto Expand</i>	selected
<i>Amount of Enlargement</i>	Standard (applies ~1.5% overspill on a 16x24)



Configure the custom size and save it.



Standard Auto Expansion provides adequate overspill.

Set up KCPS to deliver a 16x24 image to the driver with this configuration and it will scale the image up about 1.5% to ensure there are no slivers of white along the edges of the roll and provide about 0.05" at top and bottom so that the trim process will not leave any white slivers. This is similar to how minilabs ensure that the full print area is covered by the image.

To set up other size prints, make the paper width exactly the desired size and the height 0.1" larger than the size desired. If 0.1" does not give enough tolerance for the trimming process, this can be increased to as much as 0.25" by adding more to the height of the print. The Epson print driver applies a sliding scale to the overspill percentage based on the size of the image. If the image width is less than the roll width the driver will place the image to one side of the roll and print the overspill on the opposite side to allow for the trim on that side.

Setting Auto Expand to Retain Size turns the overspill feature off. This is useful when printing a grid of smaller images or a print with graphic elements near the edges of the image. Without the scaling each image within a grid will be the exact size intended and will not be cropped at the edges of the print.

Setting the Amount of Expansion to Min will decrease the amount of scaling applied. A couple of sample 8x10's showed 3% scaling on the Standard setting and 1.5% scaling on the Min setting.

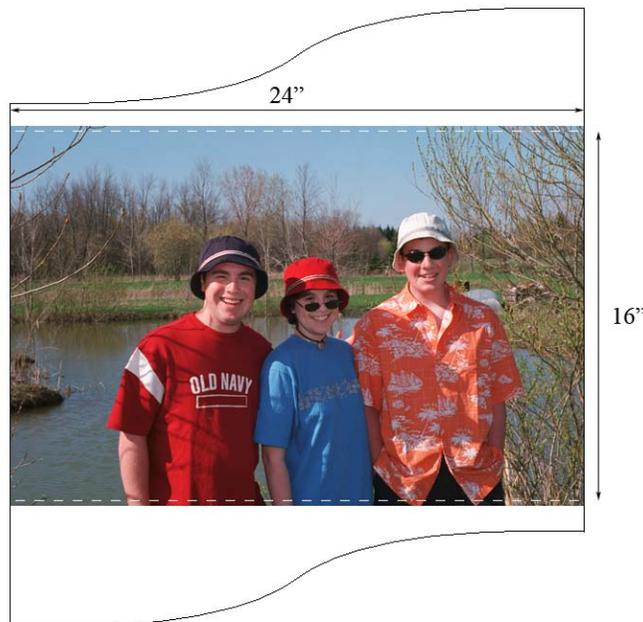
Auto Expand

The Auto Expand feature is intended to cover any white slivers on the edges of the print by applying an overspill. Select Retain Size to turn this feature off. When printing on a roll of paper Auto Expand will fill in any sliver of white between the edge of the print and the edge of the roll and this cannot be achieved without the use of this feature. However, Auto Expand may not do exactly what you would expect.

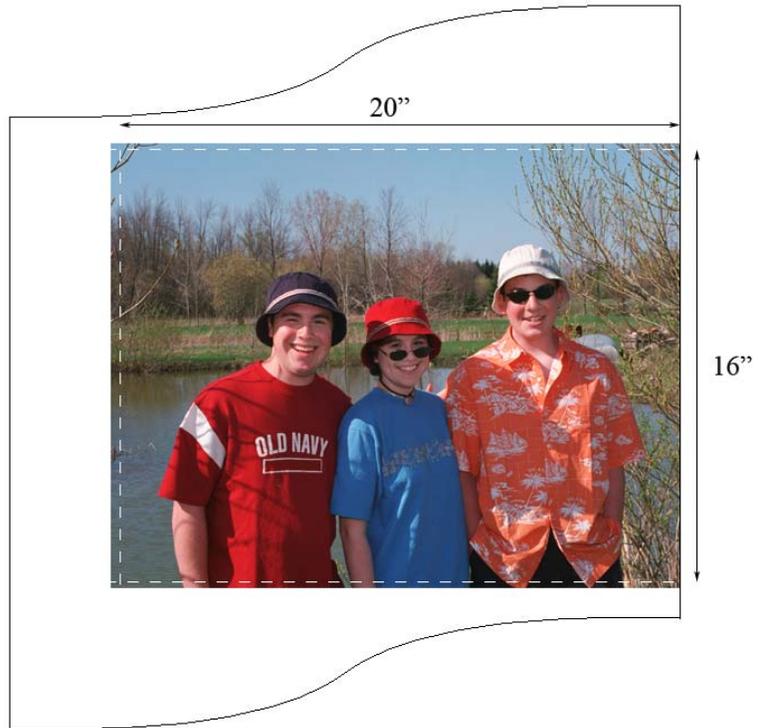
Consider a 16x24 poster printed on a 24" roll of paper; if this is printed using Retain Size there will probably be a sliver of white along one side or the other of the roll. Print it again with Auto Expand set to the Standard amount of enlargement and the Epson software will first scale the image up by 1.5% then crop the short dimension to exactly 16" and then print. The overspill in the long dimension will cover the white sliver but there will be no extra image in the short dimension to make trimming the image easier.

This overspill in the short dimension can be added by changing the user defined paper size height by an amount up to 1.5% of the height or 0.24" on the 16x24 example. (Note: adding this amount to the Page Height will not trigger the Epson software to scale the image to fill a 16.24x24 before adding the 1.5% for overspill.) Adding less to the height has no effect other than to decrease the amount of overspill printed. Knowing that the Epson driver applies different percentages of overspill to different size prints lends understanding to Epson's recommendation to add 0.1" to the height of any print size.

When making prints that do not use the full width of the roll, the Epson software prints the image to one side of the roll (presumably to eliminate a cut when trimming the print). Without the use of Auto Expand there may be a sliver of white between the edge of the print and the edge of the paper. Turn Auto Expand on and the sliver will be taken care of plus the overspill is printed on the opposite side of the print.



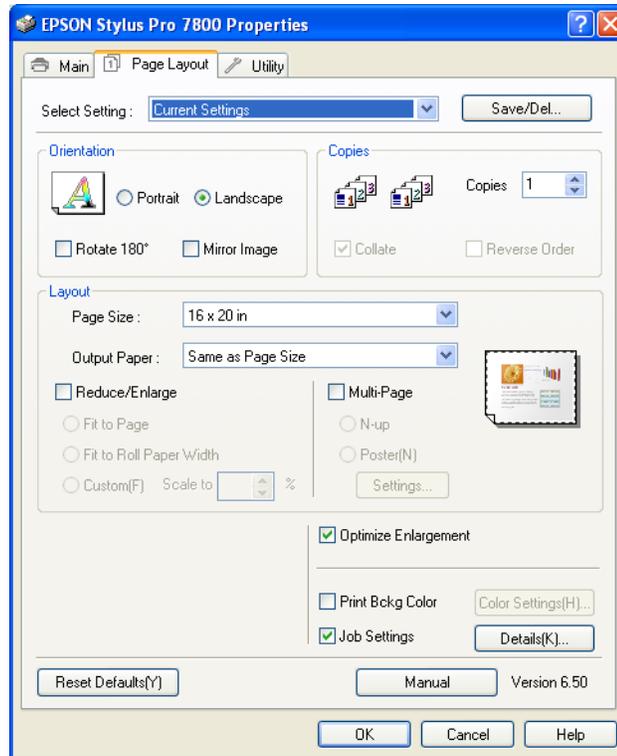
The white dashed lines represent the overspill. The height of the image is 16" without the overspill. Epson recommends printing the image 0.1" higher than the finished size but up to 0.24" can be used.



The white, dashed lines represent the overspill.
The size of the finishedprint is 16''x20'' after the overspill has been trimmed.

Click the **Page Layout** tab.

Choose Landscape. Leave all other settings at their defaults.



Queue Name

Set up a Queue for this printer and give it a matching name like “Epson 16x20”.

Paper Width

Use the maximum paper width of 24 inches.

ICC Profile

Select the appropriate color space for your workflow.