

PRINTING on EPSON PRINTERS

BASIC WORKFLOW:

The process of printing involves three areas of control, The Printer, Photoshop, and PaperCut. These all apply to any application including LightRoom and InDesign.

It is highly recommended you read the "[Preparing Photos for Printing](#)" document first, so you will have a file that is optimized for print. This explains in detail: resize to printing size and resolution, add a printer sharpening layer, add a border, adjust the printing limits, save as a TIFF.

PRINTER controls - Epson 4800

- set the front panel of the printer
 - set the paper feed source to SHEET, not ROLL PAPER
- remove the plastic cover over the tray that protrudes from the front of the printer
 - place one or more sheets of paper into the tray **FACE DOWN**, top edge first
 - adjust the sliding 'stop' left-to-right to hold the paper firmly
 - replace the plastic cover so the finished print has somewhere to land

PHOTOSHOP controls

- open **PHOTOSHOP PRINT SETTINGS** from FILE> PRINT, or hit [CMD] P
- open the **PRINT SETTINGS** window with the [PRINT SETTINGS] button
 - set the **PAPER SIZE** from the drop-down menu [*critical*]
 - use a custom 8.5 x 11 centered or a custom 13 x 19 centered page size
If using a non-standard paper size, use Managing Custom Paper Size, or creating an '8.5 x 11 Centered' paper size, refer to the '[Custom Paper Sizes](#)' handout]
 - open the **PRINT SETTINGS/ BASIC** submenu from the Drop-Down Menu
 - set **PAGE SETUP** to SHEET MAXIMUM
 - set the **MEDIA TYPE** to the most appropriate type (this is general)
 - set **PRINT QUALITY** to SUPERPHOTO - 1440 for a final print
 - use **HIGH SPEED** for a work print
 - hit [SAVE] to return to PRINT Menu
 - set **COLOR MANAGEMENT**, including choosing the appropriate **PROFILE**
 - set **COLOR HANDLING** to PHOTOSHOP MANAGES COLORS
 - select the correct **PRINTER PROFILE** [*critical*]
If there is no profile for your paper,
please refer to the '[Installing Color Profiles](#)' handout]
 - set **RENDERING INTERNT** to PERCEPTUAL
 - turn on **BLACK POINT COMPENSATION**
 - scroll down to **POSITION AND SIZE** dialog section
(print size should already be set in PhotoShop, the file should be optimized, and saved as a TIF before you get to this point.)
please refer to the "[Preparing Photos for Printing](#)" document
 - set the **POSITION** to CENTER first, then –
 - turn off CENTER
 - reduce the **TOP** margin by 0.10" to render a visually centered print
 - leave everything else alone
 - activate the **SOFT PROOFING CONTROLS** under the image
 - turn on [MATCH PRINT COLORS] [GAMUT WARNING] [SHOW PAPER WHITE]
 - hit [PRINT] in the Photoshop window to begin the actual printing process

PAPERCUT controls

- hit the [PRINT] button to approve the PAPER CUT window, when it opens

PRINTING on EPSON PRINTERS, cont'd.

DETAILED WORKFLOW:

PRINTER controls

Load the Paper into the Printer

Epson 3800

look for the display to say **READY**

pull the landing tray out from the front of the printer

until the top edge meets where the paper will exit

open the top cover that fold backwards

place the paper into the vertical slot on the top of the printer

front side **FACING FORWARD**

adjust the sliding 'stop' so the paper is held

against the right edge of the feeder

when finished printing:

close both the top cover and front tray



Epson 4800

hit the **PAPER TYPE** button until a small

rectangle, not a curved icon, appears

this signifies sheet not roll paper [3rd button from the left]

remove the plastic cover over the tray that protrudes from the front of the printer

place one or more sheets of paper into the tray **FACE DOWN**

adjust the sliding 'stop' so the paper is held firmly

against the right edge of the printer feeder

replace the plastic cover so the finished print has somewhere to land



LCD Panel

make sure the LCD panel says **READY**

the icon below that should be rectangular, like a sheet of paper

PHOTOSHOP CONTROLS

PRINT SETTINGS

open the **PHOTOSHOP PRINT SETTINGS** dialog box

[CMD] P

PRINTER SETUP dialog box

select the appropriate **PRINTER**

(there should only be one

for any Printing Computer)

keep the number of **COPIES** at 1

select the **LAYOUT**,

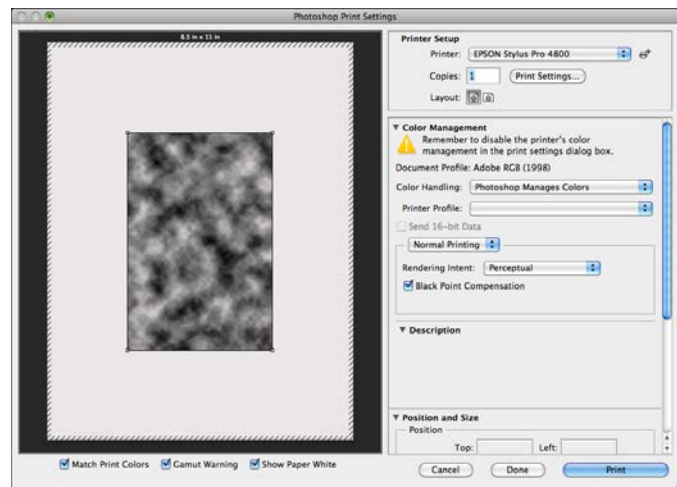
portrait or landscape,

using the buttons

open the **PRINT SETTINGS** window

with [**PRINT SETTINGS...**] button

a new window will open



PRINTING on EPSON PRINTERS, cont'd

PRINT dialog box

the **PRINTER** should already be set
the **PRESET** can be **STANDARD**

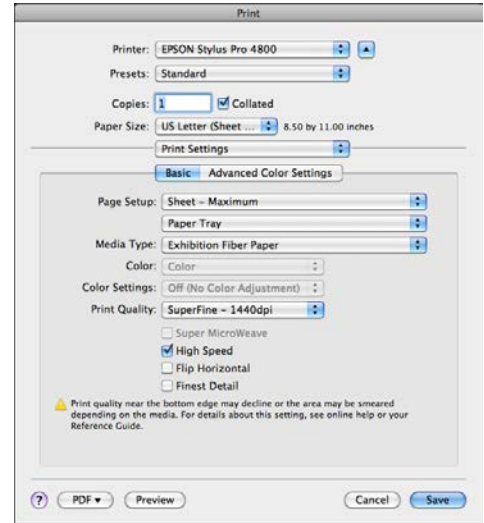
unless you often use the same paper...

COPIES should already be set

PAPER SIZE is selected from a drop-down menu
the size of the borders is *critical* here

use a custom 8.5 x 11 centered,
or a custom 13 x 19 centered

If using a custom or non-standard paper size,
use the Managing Custom Paper Sizes
dialog box to define the desired
paper size and it equal borders.
[for instructions, please refer to the
'[Custom Paper Sizes](#)' document]



PRINT SETTINGS/ BASIC submenu

PAGE SETUP

use **SHEET MAXIMUM**

to give access to the full printing area on all sides

PAPER TRAY is the source

set **MEDIA TYPE** to the best general description
from the drop-down menus

set **PRINT QUALITY** to

Super**PHOTO** - 1440 dpi

use **HIGH SPEED** for a work print

hit [**SAVE**] to return to **PRINT** Menu

COLOR MANAGEMENT dialog box

Adjust the following settings in the Color Management section of the Print Settings window:

DOCUMENT PROFILE should already

have been set in Photoshop
to Adobe RGB (1998)

set **COLOR HANDLING** to

Photoshop Manages Colors

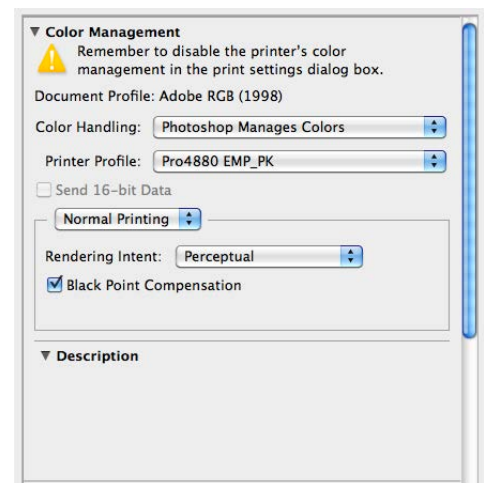
select the correct **PRINTER PROFILE**

this is also *critical* for proper tonal balance

check the handout in the Lab for the
nicknames of the Epson Profiles

If there is no profile for your paper, you can download
and install the profile. [please refer to the
'[Installing Color Profiles](#)' document]

Some paper manufacturers suggest using 'equivalent'
Epson profiles. Go to the manufacturer's site
and double check.



PRINTING on EPSON PRINTERS

NORMAL PRINTING submenu

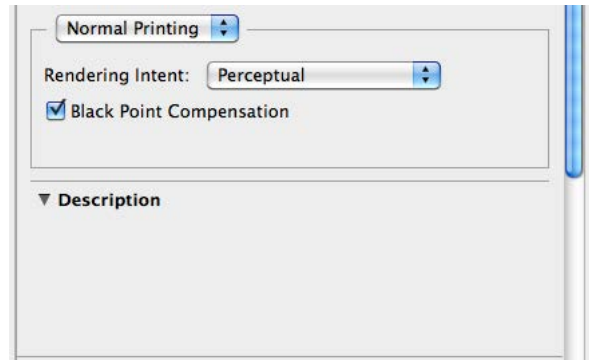
RENDERING INTENT is usually set to
PERCEPTUAL

The next most often used intent is
RELATIVE COLORIMETRIC.

There are 4 types of Rendering Intent.

If you hold the mouse over the button,
the description of each
will appear in the **DESCRIPTION** box
below.

turn on **BLACK POINT COMPENSATION**

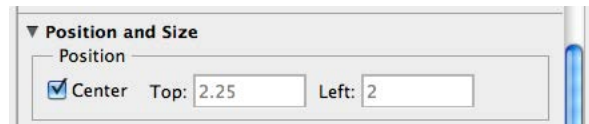


POSITION and SIZE dialog box

The size of the print should have already been set and the print optimized in Photoshop before opening these dialog boxes, as described in the "[Preparing Photos for Printing](#)" document.

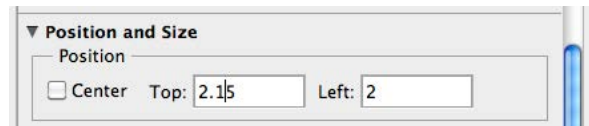
note: You may have to scroll down to get to this section of the dialog box.

set the **POSITION** to **CENTER** first, then –
turn off **CENTER**
reduce the **TOP** margin by 0.10"

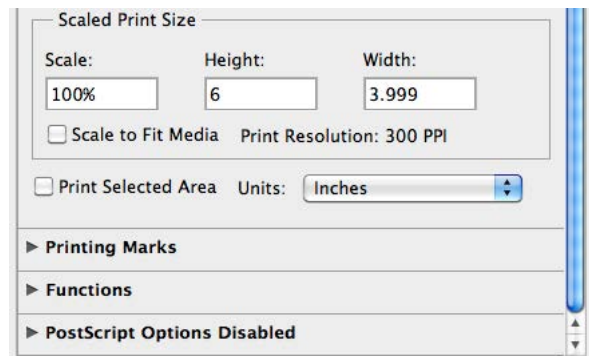


This adds a small amount of extra space to
the bottom of the print. If the print
is exactly centered, the bottom will
appear smaller.

It is an optical illusion that must be
compensated for.



do not adjust **SCALE, HEIGHT** or **WIDTH**
the scale should always be 100%
you should certainly **NOT** be cropping



do not hit **SCALE TO FIT MEDIA**
if you have to 'scale to print media'
then your photo is not properly
prepared for printing.
please read the "[Preparing Photos for Printing](#)" document.

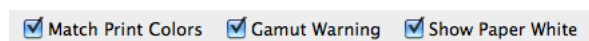
ACTIVATE the SOFT PROOFING CONTROLS

there are 3 small buttons under the image

turn on [**MATCH PRINT COLORS**] [**GAMUT WARNING**] [**SHOW PAPER WHITE**]

this will allow the screen to apply the profile to the image to give you a better idea of

how the print will look on the targeted paper



PRINT

hit [**PRINT**] to begin the actual printing process

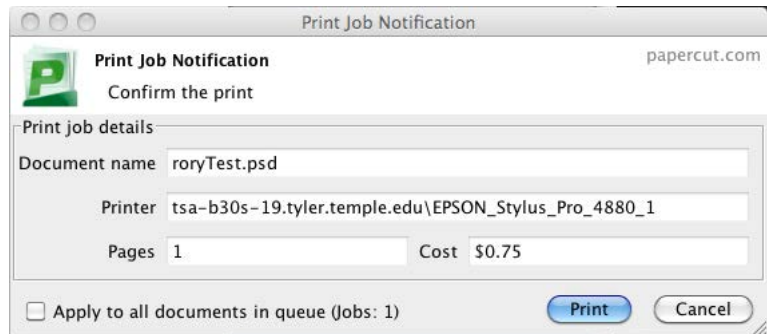
PAPER CUT – Print Management System

PAPERCUT

The PaperCut system keeps track of all jobs and charges your account for the ink that is used.

eventually the PaperCut Print Job Notification dialog box will open
click on the [PRINT] button to execute the print

note: the [RETURN/ENTER] key will not work in this instance



PaperCut Use:

Go to the Media Output Center in Tyler Room 202 to setup a PaperCut account.
Sign in to your TU account once in the Lab in which you will be printing
so PaperCut will direct the funds to the proper Lab account.

Add money to your Diamond Dollars Account on-line, on any computer.

Go to the Media Output Center and transfer money from your Diamond Dollars account
to your PaperCut account.

Media Output Center hours are Monday – Friday, 9 AM to 5 PM,
Plan ahead, especially if you will be printing in the evenings.

PaperCut Tips:

There is no cash refund from your PaperCut account. Plan wisely since any balances on
your account at the end of the semester will not be refunded.

Students may trade and transfer funds between each other's accounts.