

Proof the output on the monitor

<u>Application:</u> Adobe Photoshop CS <u>Printer:</u> HP Designjet 30/90/130 series <u>Software</u>: EFI Designer Edition for HP <u>Operating System:</u> Mac OS X



- 1. First recommendations:
 - See the <u>Media type functionality & features</u> and choose the most appropriate media.
 - It is essential you have the media type correctly calibrated with the printer and print mode, consult the <u>Calibrate my printer</u> document.
 - In order to get a correct display, it's also essential you have the monitor calibrated, consult the <u>Profile my monitor</u> document.
- 2. Open the EFI Designer Edition RIP.
- 3. EFI Designer Edition RIP settings, **Preferences**:
 - Color:
 - o Check the Active Color Management checkbox.
 - Paper name: Select the paper type that is loaded on the printer (always calibrated) and "Best" print quality.
 - Print resolution: 600 x 600.
 - Color output mode: Photo print.
 - You don't need to worry about the profiles and rendering intent because you will select **Printer Color Management** option in the application, then, the application tells the RIP which source profile and rendering intent should be used for the conversion to the print space, these are the Document profile and the Print Space Intent of the application. The RIP color settings will be overridden.

00			Prefer	ences			
000							1
General	Color	Layout	Output	Nesting	Printer	Spot Colors	Paper profiles
Z A	ctivate Color Manag	ement					
Par	per settings						
P	aper name:	HP Premiun	n Plus Photo Pa	iper Glossy (HP	DYE, Best)		•
Р	rint resolution:	600 x 600		😝 dpi			
c	olor mode:	CMYKcm		•			
Co	lor settings						
c	olor output mode:	Photo print	0	•			
		• EFI profile	25	O ColorSyr	nc		
R	GB: AdobeR	GB1998.icc		Perceptu	al		0
c	MYK: Best_SW	OP_Ref_Press	sheet_2003.i	* Relative	colorimetric (n	o paper whit	Ð
c	iray: ISOnews	paper26v4_g	r.icc	Relative	colorimetric (n	o paper whit 📑	
	Add	profile	Delete pr	rofile			
5	Print RGB in gray		C build p		ck Point Comp	ensation	
	Use embedded p			-	id black:	0.0%	
Re	set settings) (Save Pref	s Load P	Prefs	Can	icel) (ок
							11.

• OK

- 4. Open Adobe Photoshop CS.
- 5. Configure the Color Settings, Photoshop menu > Color Settings...:
 - Make sure the **Advanced Mode** check box is ticked.
 - Working Space > RGB: Adobe RGB (1998).
 - Working Space > CMYK: Euroscale Coated v2 (for Europe), U.S. Web Coated (SWOP) v2 (for US) and Japan Standard v2 (for Japan).
 - Color Management Policies: Preserve the embedded profiles.
 - Profile Mismatches: check Ask When Opening and Ask When Pasting.
 - Missing Profiles: check Ask When Opening.
 - Conversion Options > Intent: Perceptual (for RGB images) or Relative Colorimetric (for CMYK images).

Color Settings	
Settings: Custom	ОК
Advanced Mode	
Working Spaces	Cancel
RGB: Adobe RG8 (1998)	<u> </u>
CMYK: Euroscale Coated v2	Load
Gray: Dot Gain 20%	Save
Spot: Dot Gain 20%	Preview
Color Management Policies	
RGB: Preserve Embedded Profiles	
CMYK: Preserve Embedded Profiles	
Gray: Preserve Embedded Profiles	
Profile Mismatches: 🗹 Ask When Opening 🗹 Ask When Pasting	
Missing Profiles: 🗹 Ask When Opening	
Conversion Options	
Engine: Adobe (ACE)	
Intent: Perceptual	
Use Black Point Compensation 🗹 Use Dither (8-bit/channel images)	
Advanced Controls	
Desaturate Monitor Colors By: 20 %	
Blend RGB Colors Using Gamma: 1.00	
Description	

- Click OK
- 6. Open the image, **File menu > Open**...:
 - If the document has an embedded color profile that does not match the current working space, select **Use the embedded profile**. Otherwise, select **Assign working space**.

8	Embedded Profile Mismatch
	The document "Untitled-1.jpg" has an embedded color profile that does not match the current RGB working space.
	Embedded: sRGB IEC61966-2.1
	Working: Adobe RGB (1998)
	How do you want to proceed?
	• Use the embedded profile (instead of the working space)
	Convert document's colors to the working space
	O Discard the embedded profile (don't color manage)
	Cancel OK Missing Profile
٨	The RGB document "document" does not have an embedded color profile.
	🔏 🖂 How do you want to proceed?
-4	Leave as is (don't color manage)
	Assign working RGB: Adobe RGB (1998)
	Assign profile: Adobe RGB (1998)
	and then convert document to working RGB
	Cancel OK

- Click **OK**.
- Configure the Proof Setup dialog box in order to check the output on the monitor, View Menu > Proof Setup > Custom...:
 - **Profile:** Select the profile of the output device you want to check; the printer profile generally depends on the printer model, the media type and the print mode. If you don't have it on the list, you should copy it into the folder: */Library/ColorSync/Profiles*.
 - Intent: Perceptual (for RGB images) or Relative Colorimetric (for CMYK images).
 - Check Black Point Compensation.
 - Simulate > Paper White: Check it if you want to emulate the whiteness of the paper.

Setup:	Custom	ОК
Profile:	BCRP PM:HP;PT:HP DesignJet 130 Series;IT:1;PP:0;	Cancel
	Preserve Color Numbers	
Intent:	Perceptual 🛟	Load
	Vse Black Point Compensation	Save
Simulate:	Paper White	Preview
	Ink Black	

- Click OK.
- Now, you can retouch your image and the monitor will reflect correctly what your image will look like once printed.

- 8. Adobe Photoshop **Print with Preview...** settings, **File menu > Print with Preview...**:
 - Page Setup:
 - Format for...: Select the printer (ex. EFISoftwarePrinter).
 - **Paper Size**: Select the paper size of the media loaded on the printer.
 - **Orientation:** Select the orientation of your image on the paper.
 - o Click **OK**.
 - Set the **Position** and the **Scaled Print Size** you need.
 - Check Show More Options.
 - Select the Color Management tab:
 - o Source Space: Document.
 - **Print Space > Profile**: Printer Color Management.
 - Print Space > Intent: Perceptual (for RGB images) or Relative Colorimetric (for CMYK images), it should be the same selected as in the Proof Setup dialog box.

		Print		
		Scaled Print Size Scale: 100% Height: 8.573 Width: 10.548	cm cm enter Image Scale to Fit Media cm cm Scale to Fit Media cm Scale to Fit Media Scale to Fit Media Cm Scale to Fit Media Cm Scale to Fit Media Scale	Print Cancel Done Page Setu
	ement ;			
- Print Space:	<i></i>			
Profile:	Printer Color Managen	nent		•
Intent:	Perceptual			•
-	Use Black Point Com			

- 9. Print, **Print...**:
 - **Printer:** Select the printer (ex. EFISoftwarePrinter).
 - Printer Features (Mac OS X v10.3):

- Paper Size: Setup.
- Select **RIP's Default** on the others settings.

	Print	
Printer:	EFISoftwarePrinter	;
Presets:	Standard	:
	Printer Features	:
Media type: RIP's	s Default	•
Source: RIP's De	fault	:
Resolution: RIP's	Default	•
Print mode: RIP's	s Default	•
Paper size: Setu	p	+

• Click **Print**.

For more information on HP Designjet products

www.hp.com/go/designjet

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