

Proof another printer

<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:
  - Some paper types are better than others for proofing, see the <u>Media type functionality &</u> <u>features</u> and choose the most appropriate media.
  - It is essential to have the media type correctly calibrated with the printer and print mode, consult the <u>Calibrate my printer</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.
    - $\circ$  **Print resolution**: 600 x 600.
    - Color output mode: Proof.
    - 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.

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000							1
General	Color	Layout	Output	Nesting	Printer	Spot Colors	Paper profiles
-	Activate Color Manag	ement					
1	Paper name:	HP Premiu	m Photo Paper	Glossy (HP DYE,	Best)		•
	Print resolution:	600 x 600	1	🚺 dpi			
	Color mode:	CMYKcm		•			
C	olor settings						
	Color output mode:	Proof		•			
		EFI profil	es	O ColorSyr	nc		
1	RGB: AdobeR	GB1998.icc		Perceptu	al		
	CMYK: Best_SW	OP_Ref_Pres	ssheet_2003.i	Relative	colorimetric (n	o paper whit 📑	0
	Gray: ISOnews	paper26v4_	gr.icc	Perceptu	al		Ð
	Used simulation profile Best_SWOP_Ref_Presssheet_2003.icc						
	Add profile Delete profile						
	Print RGB in gray	scales		🗌 Blad	k Point Comp	ensation	
	Use embedded p	rofiles		🗌 Soli	d black:	0.0% *	
Re	eset settings ) (	Save Pret	fs Load F	Prefs	Car		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	Сок
Advanced Mode	UK
	Cancel
RGB: Adobe RG8 (1998)	•
CMYK: Euroscale Coated v2	Eload
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 Par	sting
Missing Profiles: Ask When Opening	-
- Conversion Options	
Engine: Adobe (ACE)	
Intent: Perceptual	
Use Black Point Compensation 🗹 Use Dither (8-bit/chan	nel 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**.

	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)	
	O Convert document's colors to the working space	
	O Discard the embedded profile (don't color manage)	
	Cancel OK	
	Cancel OK Missing Profile	
•	Missing Profile The RGB document "document" does not have an embedded color profile.	
A	Missing Profile The RGB document "document" does not have an embedded color profile. How do you want to proceed?	
A	Missing Profile The RGB document "document" does not have an embedded color profile.	
	Missing Profile The RGB document "document" does not have an embedded color profile. How do you want to proceed?	
<u>.</u>	Missing Profile The RGB document "document" does not have an embedded color profile. How do you want to proceed? Leave as is (don't color manage)	•

- Click OK.
- 7. Select your printer profile in the **Proof Setup** dialog box, **View Menu > Proof Setup > Custom...**:
  - **Profile:** Select the printer profile (generally, it 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:** This setting only affects the display, check it if you want to emulate the white of the paper.

	Proof Setup	
Setup:	Custom	ОК
Profile:	HP5500PS,HWCoated Paper UV,MaxQuality	Cancel
	Preserve Color Numbers	
Intent:	Perceptual	Load
	Use Black Point Compensation	Save
Simulate:	Paper White	Preview
	Ink Black	

• Click OK.

- 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:
    - Source Space: Proof.
    - **Print Space > Profile**: Printer Color Management.
    - **Print Space > Intent**: Relative Colorimetric (select Absolute Colorimetric if you want to emulate the white of the paper).

	Print			
	Position	Print		
	Top: 16.09 cm 🗘	Cancel		
	Left: 8.93 cm	Done		
	Center Image	Page Setup.		
	Scaled Print Size			
42	Scale: 100% 📃 Scale to Fit Media 🚽			
Invent	Height: 8.573 cm 🗘 🚽 🖁			
	Width: 10.548 cm			
	Show Bounding Box			
	Print Selected Area			
Show More Options				
Color Management 🛟				
- Source Space:				
Document: O Document	sRGB IEC61966-2.1			
Proof: 💽 Proof Setu	: HP5500PS,HWCoated Paper UV,MaxQuality			
Print Space:				
Profile: Printer Color Management				
Intent: Relative Colo	Relative Colorimetric			
	Point Compensation			

## 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	5 Default	:
Paper size: Setu	p	;
Preview Sa	ive As PDF) Fax	Cancel Print

• Click **Print**.

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