

Proof a press with CMYK

<u>Application:</u> Adobe Illustrator CS <u>Printer:</u> HP Designjet 30/130 series <u>Software</u>: HP Software RIP <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> section.
- 2. Add the press profile you want to emulate in Adobe Illustrator CS and in the HP Software RIP, if it isn't there.
  - If you need to add the press profile in the application, copy it to the next folder: /Library/ColorSync/Profiles
  - If you need to add the press profile in the HP Software RIP:
    - o Open the HP Software RIP.
    - Open the Default Settings menu, Setup menu > Default Settings... > Print tab:
      - Check Perform Color Correction.
      - ICC input profle > CMYK > Add...: browse and add the press profile.

	Default Settings	
	General Port Print Color Calibration Color	
edia Type:	HP Premium Plus Photo and Proofing Gloss	
rint Mode:	Best	
Perform color co	orrection	
ICC input profile CMYK:	Press Profile.icc Add	
RGB:	sRGB.icc Add	
ICC output profile		
Profile:	Automatic	
Rendering Intent:	nt: Relative Colorimetric (Color Emulation)	
rint in Grayscale:	No	
Automatic Pant	tone calibration 🛛 Wait dry time	
Cut after printi	ng 📄 Inked area	
	Heip	
	(Apply) (Cancel) (OK	
	(Appiy) Cancel OK	
	(Apply) (Cancel)	

- o Click **OK**.
- 3. Open Adobe Illustrator CS.
- 4. Configure the Color Settings, Edit menu > Color Settings...:
  - Make sure the **Advanced Mode** check box is ticked.
  - Working Space > RGB: select 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				
Custom	-		ОК	R
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Adobe RGB (1998)	•	0	Load	_
Euroscale Coated v2	•	C	Save	
nagement Policies				
Preserve Embedded Profiles	•			
Preserve Embedded Profiles	•			
Ask When Pasti	ng			
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- Click OK
- 5. 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**.

The document's embedded color profile 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 the document's colors to the current working space
O Discard the embedded profile (don't color manage)

	Missing Profile	
How do you want to Leave as is (don		
O Assign profile:	Adobe RGB (1998)	•
		Cancel OK

- Click **OK**.
- 6. Make sure you have configured the **Document Setup** appropriately for your document, **File menu > Document Setup...**.
- 7. RIP settings, File menu > Print...:
  - Printer: Select the printer (ex. hp\_designjet\_130\_RIP).
  - Page Setup...:
    - Format for: Select the printer.
    - **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.
  - Printer... button > Printer Features (Mac OS X v10.3):
    - Media Options:
      - Select the **Media Type** that is loaded on the printer (always calibrated).
      - **Print Mode**: Best (always calibrated).

	Print	
Printer:	hp_designjet_130_RIP_Unkn	o 🛟
Presets:	Standard	:
	Printer Features	:
F	eature Sets: Media Options	•
Media Type: HP Print Mode: Best	Premium Plus Photo and Proo	fing Gloss 🛟

- Color Options 1:
  - Check Perform Color Correction.

• **CMYK Input Profile:** select the press profile you want to emulate, if you have added and selected it in the RIP, select **Use Default.** 

	Print	
Printer:	hp_designjet_130_RIP_Unkno	;
Presets:	Standard	•
	Printer Features	•
F	eature Sets: Color Options 1	:
Print in Graysc Automatic Pan		

- Color Options 2:
  - **Color rendering intent:** Relative Colorimetric (select Absolute Colorimetric if you want to emulate the white of the paper).
- Click **Print**.
- 8. Adobe Illustrator **Print...** settings:
  - General (left hand menu):
    - **Media > Size:** Defined by Driver.
    - **Options:** Select the scaling option you need.
  - **Output** (left hand menu):
    - o Mode: Composite.
  - Color Management (left hand menu):
    - **Print Space > Profile**: Select the press profile you want to emulate.
    - Print Space > Intent: Perceptual (for RGB images) or Relative Colorimetric (for CMYK images).

	Print
Print Preset:	Custom
Printer:	hp_designjet_130_RIP_UnknownMac
PPD:	Default (HP designjet 130 RIP)
Setup Marks & Bleed Output Graphics Color Management Advanced Summary	Management urce Space obe RGB (1998) nt Space offile: Press Profile.icc tent: Perceptual
(Page Setup) Printer)	ave Preset) Cancel Print Done

• Click **Print.** 

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www.hp.com/go/designjet

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