

**Remote Profiling** 

Remote profiling is where a user prints a testchart which is then sent to a color management consultant who measures the testchart with a spectrophotometer, creates an ICC profile and emails it back to the user. Printing the testchart correctly is crucial to making this process work. Onsight offers this service as a convenience to existing pro customers only.

# Selecting the right testchart for your printer

All of the following testcharts are available at the downloads section of www.on-sight.com 11x14" or larger inkjet printers - "10x13 918 RGB i1 Testchart" (Single 10"x13" page) Letter sized inkjet printers - "7x10 RGB i1 Testchart pages 1 and 2" (Two 7"x10" pages) If you have a RIP or non-inkjet printer please email me for the correct testchart.

# Printing the testchart

If you see a Missing Profile warning when opening the testchart choose "Leave as is" The testchart must be printed without a color space conversion, printer driver adjustments or scaling. Print the testchart from Photoshop (File>PrintwithPreview...) and select "Same As Source" as the print space profile, as illustrated below.



© Scott Martin Digital imaging Consultant > 816 Camaron #207 > San Antonio Texas 78212 tel 210.224.1113 fax 800.864.6166 > scott@on-sight.com > www.on-sight.com Choose whatever resolution, media and other options you select in the printer driver wisely as the exact same settings must be used when printing final images with the profile made from this testchart. Below are the correct driver settigns for the Canon, Epson and HP drivers.

Print	Print
Printer: Stylus Photo 9600  Presets: Smooth Fine Art Paper	Printer: Stylus Photo 9600  Presets: Smooth Fine Art Paper
Print Settings	Color Management
Media Type: Smooth Fine Art Paper	Color Controls ColorSyne No Color Adjustment
Mode: Automatic Custom Advanced Settings Print Quality: Photo - 1440dpi Migh Speed Flip Horizontal Finest Detail	
Help	(Heip)
(Preview) (Save As PDF)     (Cancel) Print	(? (Preview) (Save As PDF)     (Cancel) (Print)

Epson driver in Mac OS X



Media <u>T</u>ype 😚 Color Manager Smooth Fine Art Pape • Color Controls PhotoEnhance4
 No Color Adjustment
 sEGB K C Black ICM Print Quality SuperFine - 1440dpi র চ Super(s) 🖄 🔽 High Speed 🔽 🖂 Flip Horizontal 🕱 🗖 Finest Detail Paper Config Save Settings... OK Cancel Help

Epson driver in Windows



Epson driver in OS 9

In the an Epson printer driver, "Advanced Settings" and "No Color Adjustment" MUST be selected. Always choose the most appropriate media type option.

Print	Print
Printer: i9900 FW	Printer: i9900 FW
Presets: Standard	Presets: Standard
Color Options	Quality & Media
Color Correction : None	BJ Cartridge : Photo
Print Type : Photo	Media Type : Matte Photo Paper
Printer Profile : Recommended by Canon	Paper Source : Auto Feeder
Brightness : Normal 🗘	Print Mode :
Color Balance : 0 Cyan	Printing tables and charts
-\$0. 50	Printing a composite document
0 Magenta	O Detailed Setting
-50 50 Yellow	Print Quality :
-50 50	Fast Fine
0 Black	Hairtoning: O Dither O Diffusion
-50 50	Grayscale Printing
Intensity : 0	? (Preview) Save As PDF) Fax Cancel Print
? Preview Save As PDF Fax Cancel Print	Canon driver in OS X
😴 Canon i9900 Properties	Y         Manual Color Adjustment         Y
i Main 😻 Page Setup 🥘 Stamp/Background 💕 Effects 💾 Profiles 👪 Maintenance	e Color Balance
Media Type: Matte Photo Paper	Uyan: U
Paper Source: Auto Sheet Feeder	Magenta: 0
	Yellow: 0
Princ Quality: (• High	Black: U
a conditional	ABC123 Intensity: 0 🗍 🔲
C Custom	Set
	Enable ICM
Color Adjustment: C Auto	Print Type: None
(• Manual	Brightness: Normal
Color Printing Matte Photo Paper	
Preview before printing	

Canon driver in Windows

Always select the appropriate Media Type option in the Canon driver. Choose "Photo Paper Plus Glossy" for premium glossy, semigloss and luster papers.

Help

	Paper Type: HP Bright White Inkjet P	Paper Type: HP Bright White Inkjet P
	Quality: Best	Quality: Best
	Color: ColorSmart III	Color: ColorSmart III
constantin	ColorSync	
		Grayscale
So	aurce: Automatic	Source: Automatic
Disah	e Automatic Cutter Save Roll Paper	Disable Automatic Cutter Save Roll Paper

HP Designjet 100 series driver in OS X

Always select the appropriate Paper Type option in the HP driver.

Print Options...

OK

About

Cancel

Print Advisor.

For <u>large format HP printers</u>, print the RGB testchart with the default driver settings. For <u>HP Color Laserjets</u>, print the RGB testchart with the default driver settings. For <u>Brother Color Laserjets</u>, print the RGB testchart with the default driver settings. <u>Xerox Phaser printers</u> should be profiled using a CMYK testchart with the driver's Printer Features section set to Color Correction: none and Print Quality: Photo as shown below.

Printer Features	\$
Feature Sets: Print Quality/Colo	or 🛟
Color Correction: None	
Color Correction: None Print Quality: Photo	;

<u>Xerox Docucolor printers</u> with RIPs should be profiled using a CMYK testchart with default settings.

If you have a printing process that not addressed here please email me for the specifics for your RIP or driver.

# Mailing the testchart for remote profiling

1) Label the prints with your printer, paper type, email and contact information. Example:

Epson 9600 Matte Black Ink Moab Entrada Fine Art Paper your@email.address.com Your company name 210-224-1113 [your phone] 816 Camaron #207 San Antonio, TX, 78212 [your address]

- Package the prints carefully so that the front surfaces aren't damaged and write "Photographs - do not bend" on the outside of the package.
- 3) Write a check for US\$50 per profile made out to "Onsight"
- 4) Send the testchart(s) and check to the following address:

Remote Profiling Onsight 210-224-1113 816 Camaron #207 San Antonio, TX, 78212

### Turnaround, support and availability

At \$50 a profile this is a "you'll get it when you get it" service. Although I can often get these profiles done within 24 hours, my work/travel schedule sometimes means it may be several days before I return to the office and can make your profile. That's why it's \$50 instead of the \$100+ market rate everyone else charges. Plan ahead.

This remote profiling service is provided for your convenience at a below market rate (and I think it's best remote profiling service for pros out there!). It's important that this process be easy for me and easy for you. Please make sure prints are labeled and payment is enclosed with them. Please do not call, page or email with urgent desires to get your profile back. Technical

support is <u>not</u> included with this service but is available at my regular hourly rate. Testchart pickup is not available with this service.

Remote profiling is a service I do for my pro customers only. Its not open to the public so please don't spread the word. Please do spread the word that new users I'm happy to generate custom profiles on-site with the appropriate training.

### Receiving and installing your custom profile

1) I will email a compressed zip or sit file named something like "profile.zip" that you must extract. Windows users can right click on this file and select "extract". Mac users can drag and drop the file onto Stuffit Expander.

- 2) Your custom profile will be named "[Name] [Printer] [Paper] [date].icc" Example: "Onsight 9600 Entrada 1-05.icc"
- Place the profile(s) in the following location: Mac users: MacintoshHD>Library>ApplicationSupport>Adobe>Color>Profiles>Recommended Windows users: C>ProgramFiles>CommonFiles>Adobe>Color>Profiles>Recommended
- 4) Quit and relaunch Photoshop (and other Adobe applications) to recognize the new profile(s).

### Compare the quality of the printer with and without your custom profile

- 1) Download the "Onsight Evaluation Image.jpg" image from www.on-sight.com.
- 2) Print the evaluation image on your printer both with and without the new profile.
- 3) Compare the two prints.

The color fidelity of the color patches and skin tones should be noticably improved. You may also want to print this image with both Relative Colorimetric and Perceptual so that you can see the subtle difference in color saturation and shadow detail for yourself.

### Renaming the profile

Profiles have an external file name and an internal profile name. When you see a list of profiles in Photoshop, for example, you are seeing the internal profiles names which can vary from the external file name. If you decide you'd like to change the name of your profile you'll need to change both.

The file name can be changed easily. Mac OS X users can rename the internal profile name by double clicking on it to open it in the ColorSync Utility program. Once launched, select the field labeled "Localized Description Strings" for spec2 profiles or "Multi-localized Description Strings" for spec4 profiles, select the text below and type in your revised name. Close and Save.

### **Further resources**

If you know someone would like more information about on-site color management and digital imaging training for their business, employees or customers I would love to talk with them. I can be reached at scott@on-sight.com, 210-224-1113 or visit www.on-sight.com/about.html for more information.

Thanks! - Scott