



DoctorPRO™
User Guide

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Overview

DoctorPRO is an Adobe® Photoshop® plug-in that lets you modify the color printing characteristics of printers by editing existing RGB and CMYK printer profiles. It edits ICC printer profiles on Macintosh and Windows® systems.

This is accomplished by applying any series of global color adjustments to an image with real-time visual feedback, using all of the familiar color tools of Adobe Photoshop. The DoctorPRO plug-in then selects an existing printer profile and applies these adjustments to it. Hue, saturation, lightness, contrast, brightness, tone changes can be made, as well as powerful selective color replacement, exacting gray balancing, variations etc.

System Requirements

Mac OS 10.2 or later; Windows 98, ME, 2000, XP, Adobe Photoshop 6 or greater; a color printer for which you have an existing profile that you wish to edit. This can be a custom printer profile, such as one created with PrintFIX™, ProfilerPLUS™, or ProfilerPRO™; one from another profiling package; or an existing manufacturer's profile.

Note: DoctorPRO does not currently display or change linearization curves incorporated into printer profiles. Significantly non-linear curves in profiles will affect your ability to edit these profiles visually in DoctorPRO. Your edits will be applied to the body of the profile, but the curves will affect the end result as they affected the initial profile. To edit the profiles that do not contain actual color tables in all the rendering intents, you can select the "Use ColorVision Engine" Check Box when editing the profiles. This option can be used to "flatten" linearization curves into the profile as well.

Installation

For Macintosh

Run the DoctorPRO installer application. Click on the Install button and choose the "Plugins" folder that you want to install the "PANTONE COLORVISION Plugins" into. **Be aware:** When choosing the Plugins folder make sure you choose the correct "Plugins" by checking the path of the Plugins folder displayed along with the Plugins folder.

After the installer is set for the appropriate Plug-Ins folder, let it proceed to install the software. It will put the DoctorPRO plug-ins into the Plug-Ins folder, and another "Horses" folder containing assorted support files and images into your Library:Preferences folder. The User Guide and the product ReadMe file can be found at the root level of your hard driver in the PANTONE COLORVISION folder.

For Windows

Run the DoctorPRO setup application. The Setup program will attempt to locate the Photoshop Plug-ins folder belonging to the "highest" version of Photoshop on your system. If, for example, you have both Photoshop CS and Photoshop 7.0 on your system, it will automatically select the Photoshop CS plug-ins folder.

Note: If you have more than one copy of Photoshop on your system, make sure that you've selected the Plug-Ins folder for the Adobe application that you wish to install into. You may need to manually select a different "path" in the Choose Destination Location setup screen.

After the installer is set for the appropriate Plug-Ins folder, let it proceed to install the software. It will put the two files for the DoctorPRO plug-in into the Plug-Ins folder, and another "Horses" folder containing assorted support files and images into your <Startup Disk>:\PROGRAM FILES directory. The User Guide and the product ReadMe file can be found in the <Startup Disk>:\PROGRAM FILES directory in the PANTONE COLORVISION folder.

Using DoctorPRO to Edit a Profile

- Run Adobe Photoshop and make sure that the **Actions** palette is visible (if you can't see the Actions palette, use the Adobe Photoshop "Window>Show Actions" command to make it visible).
- Open an image in Adobe Photoshop; ideally the Photodisc Test Image <PDI Target> that is installed with DoctorPRO. This Image is located in <Startup Disk>:PANTONE COLORVISION:Test Image folder on Mac and <Startup Disk>\Program Files\PANTONE COLORVISION\Test Image folder on Windows. This will be the image that is used to edit the profile.
- Print the image using your chosen printer profile, to produce a comparison print. If this print looks the way you wish it to, no profile editing is needed. If it does not, follow the steps below to adjust your printer profile.
- Apply the profile you wish to edit to the image in Photoshop using the Convert to Profile command (Photoshop 6 or later). Use the rendering intent and settings of your choosing.
- If you are printing on uncoated art paper, using pigment inks, or other factors that do not offer a print with bright whites and dark blacks, go to View> ProofSetup> Custom, select your profile here, and check the Ink Black and Paper White boxes, to emulate your black and white points.
- If the image on your screen does not now match the print, edit the image with Photoshop's global tools until you have "misadjusted" the image on screen looks like the current print results.
- Create an **Action** in the Adobe Photoshop Actions Palette (if you can't see the Actions palette, use the "Window > Show Actions" command in Adobe Photoshop to make it visible). Name the action to reflect the adjustments you wish to make to your profile.
- Make as many global color changes as you like to your sample image. The aim here is to get the image corrected on screen. When you're done, hit the **Stop Record** button at the bottom of the Actions palette.
- Go to the **Action** palette and select the name of the **Action** you just recorded.

- Go to **File > Automate > DoctorPRO**, hit the **DoctorPRO** radio button. Make sure that the Color Mode pop-up is set to correct type of profile (RGB or CMYK), choose the printer profile that you've been working with, and click OK. Make sure the "Use ColorVision Engine" Check Box is unchecked unless the software prompts you to use it.

- The profile will now be edited by the **Actions** you applied to the sample image!

Note: When building CMYK profiles, you can perform additional adjustments that were not available when editing RGB profiles. For example, you can apply changes to the black channel only, such as curves or level adjustments. When you subsequently apply these edits to the CMYK profile, only the black channel in the profile will be affected.