

X-Rite i1Profiler 1.8.0

Release Notes

New for the 1.8.0 Release

The following features and improvements have been added for this release:

General Application

New Features

Made the i1Profiler and i1Profiler Tray applications 64-bit native to comply with future MacOS updates.

Added the ability to make iccMax compatible profiles. This is a version 4 profile with an iccMax profile embedded.

Updated ICC version 4 profiles to the 4.3 specification.

Added support for the Japan Color Control Strip for iSis.

Reworked the entire Japan Color Print Quality module for correct reporting and validation of the Japan Color standard.

General UI improvements to better show when measurements and profiles have been successfully completed.

Improved the spectral curve display for all lighting measurements.

Improved reporting of display Uniformity results by changing to ΔE method.

Bug Fixes

Fixed issue where the Print button for RGB printer test charts was not working on some Windows systems.

Fixed issue where wrong patches were being shown for Flare Correction in display.

Fixed issue where i1Profiler did not calculate XYZ correctly for illuminants other than D50.

Fixed issue where certain device values in CGATs measurements would cause profiling to fail.

Fixed issue where the black width setting was not working when creating device-link

profiles.

Fixed issue where i1Profiler could not correctly profile a system with two identical displays attached.

Minimum suggested hardware requirements

Macintosh®:

MacOS X 10.11.x through MacOS X 10.13.x

All Operating Systems should have the latest updates installed

2GB RAM

Intel® Core 2 Duo Processor

2GB of available disk space

Powered USB Port

Monitor resolution of 1024x768 pixels or higher

Dual display support requires either 2 video cards or a dual head video card that supports dual video LUTs being loaded

Latest drivers for video card installed

DVD drive or high-speed Internet connection required for software install, download and automatic software update

User must have Administrator rights to install and uninstall the application

Windows®:

Microsoft® Windows 7® 32 or 64 bit

Microsoft® Windows 8® 32 or 64 bit

Microsoft® Windows 8.1® 32 or 64 bit

Microsoft® Windows 10® 32 or 64 bit

All Operating Systems should have the latest updates and Service Packs installed

2GB RAM

Intel® Core 2 Duo or AMD Athlon™ 64 X2 or better CPU

2GB of available disk space

Powered USB Port

Monitor resolution of 1024x768 pixels or higher

Dual display support requires either 2 video cards or a dual head video card that supports dual video LUTs being loaded

Latest drivers for video card installed

Network adaptor installed and driver loaded

DVD drive or high-speed Internet connection required for software install, download and automatic software update

User must have Administrator rights to install and uninstall the application

Known Issues

There is no native 64-bit driver for the i1Profiler Hasp dongle. When Apple releases an update that forces 64-bit for all applications and components, the i1Profiler dongle will no longer function.

There is a refresh issue when scrolling within the gamut view window. If the screen does not refresh correctly, click anywhere within the application window and the gamut view will update.

Test chart and workflow files made for the i1i0 and i1i02 devices in earlier versions of i1Profiler (before version 1.6.0), will have a different patch height when loaded into i1Profiler. You will need to adjust the patch height to the correct dimension and then re-save the file for current and future use.

The Reference Files for the ColorChecker SG and ColorChecker 24 for scanner profiling have been updated. These new reference files apply well to ColorChecker SG and 24 charts manufactured after November 2014. For ColorChecker editions prior to November 2014, please use the former Reference Files, which can be downloaded from www.xritephoto.com, including instructions how to replace and apply them in i1Profiler.

Profiling and optimizing profiles with very large patch sets (>3000) will require a very large amount of RAM. If profiling fails, reduce the amount of patches in the test chart.

Monitor calibration does not work when multiple monitors are in mirror mode (this issue

affects Window® installations only.) Special Note: On Windows XP, if a display is removed from a system, the operating system will put the primary display in mirror mode even though the secondary display has been removed. In this case, the user will get an enumeration error. This error can be dismissed and the user will still be able to make a profile. i1Profiler does not support the calibration of displays connected via AirPlay.

If you have problems loading the display profile after it has been created or if the system cannot load the display LUTs, turn off Automatic Display Control (ADC) on the measurement page and try again.

i1Profiler uses OpenGL to display the profile's 3D gamut. If you encounter a problem with the gamut preview, make sure that your video card drivers are up to date.

i1Profiler can import CGATS measurement files from other applications. However, the color engine has been optimized to work with the patch sets generated within i1Profiler. The profile quality from profiles made entirely within the i1Profiler workflow will exceed profiles made from legacy charts and measurements. In the case of CMYK+N profiles, some legacy patch sets may not even build a profile successfully. It is strongly recommended that users build new charts within i1Profiler for CMYK+N profiling.

The i1ProfilerTray does not update the time stamp on a rebuilt profile. If a profile is rebuilt using the ambient monitoring feature in the Tray, the original profile creation date is displayed instead of the rebuilt profile creation date.

The i1ProfilerTray application looks for connected displays at launch. If you disconnect or connect a display, the i1ProfilerTray will not see the change until it is restarted, the user logs out or the system is restarted. On Windows the i1ProfilerTray can be restarted from the Programs\Startup menu, on Mac, the tray is located in the same folder as the i1Profiler application.

The application may lose its connection to a measurement device if the computer goes into sleep or hibernation mode. If this happens, disconnect and reconnect the device to restore the connection.

Installation of older applications that use the previous version of X-Rite Device Services may cause i1Profiler to not connect with devices or to not launch. If this occurs, reinstall i1Profiler to restore the latest Device Services.

If you encounter any problems connecting to your measurement device, please disconnect and reconnect the device to restore the connection.

Make sure your i1iSis power button is on when you connect the USB cable. If you connect with the button off, then turn the power on, the i1iSis will not be seen.

The i1iO device does not support single row charts.

You cannot measure an optimization test chart that contains patches extracted from an image if you are using an i1iO or i1iO2.

Change History

Version 1.7.2 (Mac Only Release)

Made a change to allow the default linear profile to be loaded at the start of measurement. This issue affected MacOS X 10.13 (High Sierra) systems only.

Version 1.7.1

Fixed an issue where the Print button for RGB printer profiling was not working.

Fixed an issue where the Lab values of extra channels for CMYK+N profiling was not working correctly in some languages.

Fixed an issue where the Compare Profile button for gamut viewing was missing.

Version 1.7.0

Added support for High DPI displays

Fixed an issue where the XRGB to GMDI conversion for certain reference files in Printer QA was not being handled correctly.

Fixed an issue where multi-page targets, formatted on a single sheet for the i1iO and i1Pro could not be read.

Fixed an issue where device-link profile settings were not working correctly.

Open Source and 3rd Party Software

All Open Source and 3rd Party License agreements and credits are located in the following locations:

Windows: Program Folder/Credits

Mac: Application package/Contents/MacOS/Credits