

# X-Rite i1Profiler 1.3.1 Release Notes

## Minimum suggested hardware requirements:

### Macintosh®:

MacOS X 10.5.8, 10.6.x and 10.7.x (with the latest updates installed)

1GB RAM

Intel® 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

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

### Windows®:

Microsoft® Windows® XP® 32 bit (with latest Service Packs and updates installed)

Microsoft® Windows Vista® 32 or 64 bit (with latest Service Packs and updates installed)

Microsoft® Windows 7® 32 or 64 bit (with latest Service Packs and updates installed)

1GB RAM

Intel® Pentium® IV or AMD® Athlon® XP 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

Network adaptor installed and driver loaded

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

## Installation and Registration

- Administrative rights are required to install and uninstall the software.
- Do not connect measurement devices until the software installation is complete and the system has restarted.
- The i1Display or the i1Pro 2 must be connected in order to register your i1Profiler solution.

## New for the 1.3.1 Release

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

- Fixed issue where i1Profiler assets were not being installed correctly.
- Added the Process Standard Rotogravure (PSR) characterization data (published in 2009 by bvdM/ECI/ERA/FOGRA) to the Printer Quality workflow.
- Added Russian translation for the license agreement to the installer.

## Known Issues

The following issues are known to exist in the 1.3.1 release of i1Profiler.

- 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.
- 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 Windows® 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.
- Windows 7 and Vista only – During monitor profile creation, you may see a message stating that the display's color scheme is being changed. This is temporary to allow proper in-screen measurement. The display will be restored to its previous state after the measurements are completed.
- You may not be able to load display LUTs if you are running Windows on a MacOS system using Parallels Desktop® or similar software.
- 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.

- 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.
- The application may lose its connection to a measurement device if the computer goes into sleep or hibernate 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.
- If optimizing a profile using an image or spot colors, adjust the margins of your chart to form a 2-row chart for the i1iO. Single row charts are not supported.
- Cannot correctly optimize profiles made with the i1iSis in Dual (M0/M2) mode. When the optimization patch set is measured, the profile will be made with Single (M2) data even if the user correctly specified Dual for the optimization measurement.
- On the Home page of i1Profiler, there is a heading called 'Application Settings:'. This is where you select the measurement device for display profiling. (For users who have both the i1Display and the i1Pro or i1Pro 2.)
- If you are using Ambient Smart Light Control when making your display profile, expect to get higher Delta E values in Display QA. This function optimizes profiles for visual appearance based on measured ambient conditions not for minimal Delta E.
- 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 tray application will not detect the current profile if the display has a 2-byte name generated by the operating system (Asian Languages.)

## **Change History**

### **Version 1.3 Release**

The following features and improvements were added for the 1.3.0 release:

- Added support for the new i1Pro 2 Device
  - New chart layouts for i1Pro 2 with smaller default patch size and removal of spacer lines between patches.
  - i1Pro 2 supports three measurement conditions; M0, M1 and M2. User must be in dual scan mode to get access to all three.
  - i1Pro 2 added to OBC workflow.
  - Can transfer license information from i1Pro to i1Pro2.
  - i1Pro 2 can be used in legacy mode to measure charts previously created for the i1Pro.
- Can now use included ColorChecker chart as OBC reference standard.
- Added Measure Reference feature. User can import a test chart reference file from ProfileMaker 5 and measure a previously printed test chart.
- Added Measure Chart capability. User can specify measurement device and number of rows and columns for a previously printed test chart and measure.
- Added ability to change the white point of printer profiles
  - White point can be specified in Lab, extracted from a saved measurement or extracted from an ICC profile.
- Fixed issue in CMYK+N profiling where extra colors were not being handled correctly within the user interface causing measurement issues
- Fixed CMYK+N issue where +N color names and values were not getting written into the DCS file for saved test charts.
- Improved handing of CGATS measurement data.
- Added two new photo paper sizes; 8x10 in. (203x254 mm) and 8x12 in. (203x305 mm).
- Changed default page orientation to landscape for both i1Pro and i1Pro 2.
- Added Russian language support.

### **Version 1.2.0**

The following features and improvements were added in the 1.2.0 release:

- Added the ability to balance RGB controls during display calibration.
- Improved ADC functionality and connectivity for all platforms.
- Added the reporting of target and measured values for luminance, white point and contrast ratio during display profiling.
- Fixed issue where profiling and QA of second display was producing inaccurate results (Mac only).
- Added ability to calibrate EIZO ColorEdge displays using ADC.
- Added the ability to select M0 or M2 measurements for profile creation (when both measurements are present.)
- Improved CGATS exporting. Allows user to customize exported CGATS data for multiple uses.
- Added support for Japan Color in Printer QA.
- New X-Rite Device Services solves Japanese connection problems with i1Display, iO with i1Pro Rev. B problem and various connection issues.
- Fixed issue where profile could not be made if the black ink on the test chart was too chromatic.

### **Version 1.1.1**

The following features and improvements were added in the 1.1.1 release:

- Added the ability to do small (119), medium (220) and large (478) patch sets when doing advanced display calibration.
- Added the ability to specify a target contrast ratio for the display to match the ICC standard PCS black point (287:1).
- Added the ability to use the contrast ratio of a printer profile as the target contrast ratio for a display profile.
- Miscellaneous minor bug fixes.

### **Version 1.1.0**

The following features and improvements were added in the 1.1.0 release:

- Support for the i1Display monitor calibrator.
- Ambient Smart Light Control adjusts display profiles based on the ambient lighting condition of the viewing area.
- Flare Correct provides the capability to measure and correct for incident light falling on the display.
- Display QA has been improved allowing users to test their display against known standards, spot colors and images.
- Display Trending tracks the color capability of each display over time.
- Improved data handling for M0 and M2 measurements as well as improved handling of CGATS file made within and from outside i1Profiler.
- The i1ProfilerTray application monitors all displays on a system, provides profile reminders and can rebuild the display profile in real time based on changing ambient light conditions (i1Display only.)