ColorLogic CoLiPri Version 2.1

Installation

Please note that the CoLiPri PlugIns for Mac and PC platforms are located in the corresponding folders ***Mac*** and ***Win*** in the installation package. The installation itself is explained in the manual ***CoLiPri_2.0_Manual_EN.pdf***.

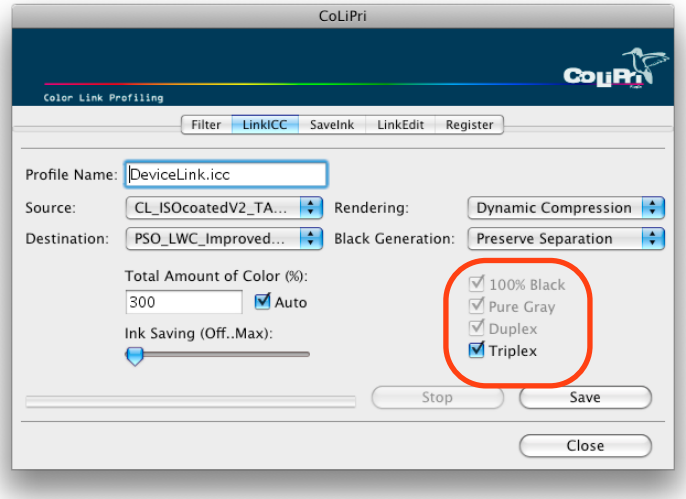
New features

1. Support of the new Mac OSX 10.6 operation system. „Snow Leopard“ contains many changes in the OS for example how list of profiles need to be requested from the system, which made adjustments of CoPrA necessary.
   Note: older versions of CoLiPri won‘t run properly on Mac OSX 10.6.

2. CoLiPri 2.1 now supports the newest Windows 7 operating system.

3. The profile quality is adapted to the newest modification and enhancements of ColorLogics CoPrA 1.5 and 1.6 (see What‘s new in CoPrA 1.6). „Under the hood“ highly improved gamut mapping algorithms and new calculation methods for high saturated primary and secondary colors (the new CoPrA exceptions ***Max RGB*** and ***Border clipping*** are used in the background) are implemented.
   In addition when activating ***Duplex*** not only the primary colors but as well the secondary colors will be purified. Before only primary colors have been purified.
   All this changes are happening in the background without changing the user interface so that the handling of CoLiPri 2.1 has not changed compared to earlier versions.
   Note: When activating ***Triplex*** or ***Duplex*** the secondary colors (red, green, blue) will be purified automatically. The functionality is that the highest process color value will be scaled to 100% and the other color will be colorimetrically optimized to achieve the highest saturation and the best visual appearance. If in an example a pure 100% red (100% M+Y) would be converted to 95% M and 90% Y the *Max. R,G,B* option would convert the color to something like 100% M and 92% Y.

4. The exceptions options for the DeviceLink creation are now better connected to each other in the user interface. Now you will see right away when activating one exception which other exceptions are automatically combined with it. The related options are grayed out and the checkboxes are enabled.



5. The rendering method ***Dynamic Compression*** for DeviceLink-Profiles has been complete revised. In the past the method has yield very good detail preserving but sacrificed the saturation a lot. The new enhanced method for dynamic gamut compression analyzes source and destination gamut for different color areas separately. The compression maximizes the usage of the destination gamut.

6. SaveInk DeviceLink-Profiles are now created using DeltaE minimizing formulas instead of minimizing the color differences in the Gamut-Mapping color space. This will lead in certain cases to slightly smaller color differences.
   Note: In most cases, e.g. when source and destination color spaces are the same, the difference between now and earlier versions is nearly not visible.

7. The interpolation method for calculation of the gray balance in the ColorLogic CMM has been improved and will lead to even smoother gray balances. This can be experienced when using DeviceLink profiles in the Color Match function in the Tools window for conversion of pixel data.

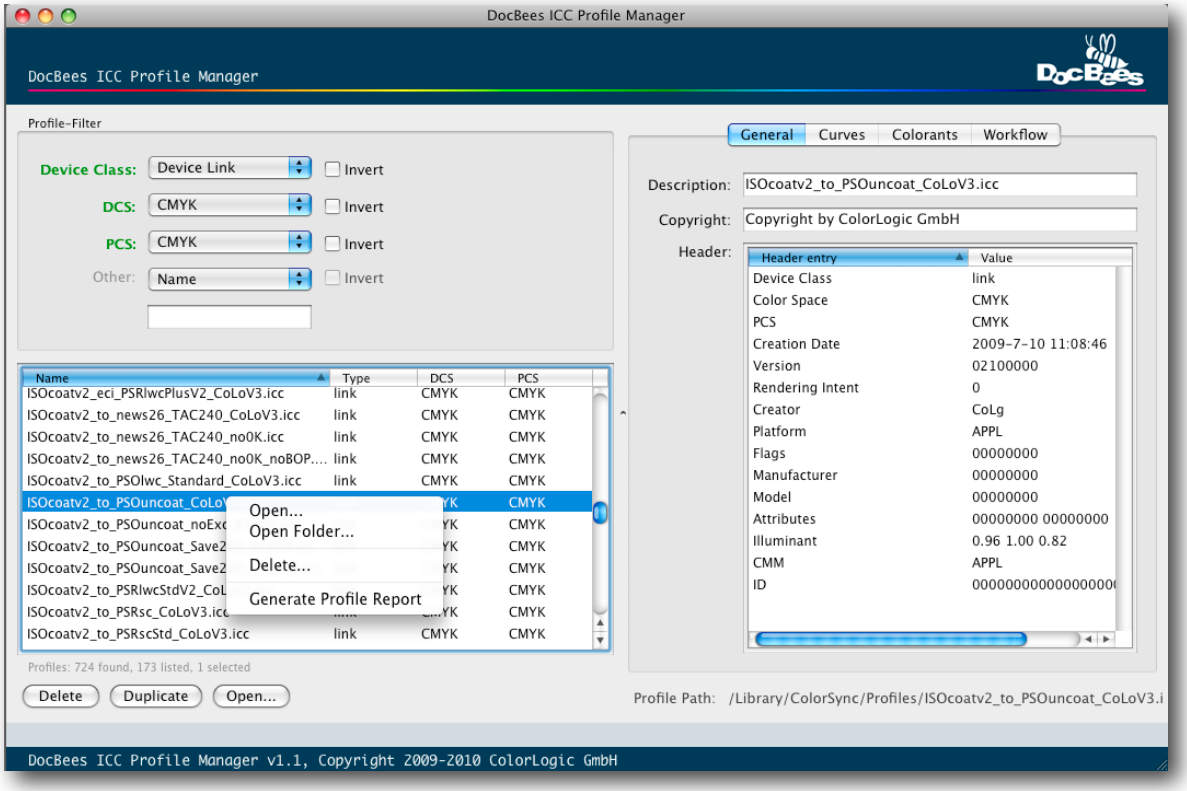
8. The CoLiPri installation package now contains all 240+ ***Demo DeviceLink Profiles*** for most of the international printing standards. With the help of a CoLiPri demo license you are able to test and utilize the profiles. Ask your dealer to provide a demo license for temporary testing the profiles. These profiles are part of our DeviceLink Sets (DLS) which can be purchased separately if required.

9. In the folder ***Gray ICC Profiles*** you will find many gray ICC profiles for nearly all international printing standards. Use the profiles for the creation of Gray-to-Gray DeviceLink Profiles in CoLiPri or for ICC conversions in Adobe Photoshop.

10. Have a look into the new comprehensive PDF manual with a lot of examples explaining all main features of CoLiPri.

11. In case a MultiColor DeviceLink profile will be created in the ***LinkEdit*** module (a Multicolor license is required) the exceptions ***Triplex*** and ***Duplex*** can now be used, too. In this case the exceptions take only effect in the CMYK part of the MultiColor color space as long as there is no contamination with additional channels.
    As an example: If you are using a 5 channel printing process with a blue color as your 5th channel, then it is very likely that the cyan and blue (C+M) areas of the color space are affected from this 5th color - which is the desired effect. These color areas would not be purified when using the exceptions ***Duplex*** or ***Triplex*** in order to not change the desired gamut extension of the 5th color.

12. CoLiPri customers are able to create a profile analysis report with the help of the new **DocBees Profile Manager v1.1**. The profile report allows a convenient assessment of the quality of the profiles you have created.
    After starting DocBees Profile Manager v1.1 with right click on a selected profile (Printer and DeviceLink-Profiles are supported) a profile analysis report will be created as PDF file fully automatic (see screenshot on next page). This report shows you the performance of your profile with the help of curves, different gamut visualizations and color separations applied to various test files illustrating important aspects of the profile.
    To use the feature please load your CoLiPri product license in DocBees Profile Manager v1.1 in the ***Help/Register*** menu. DocBees Profile Manager can be downloaded free of charge from the ColorLogic download page as PC or Mac version. Version 1.1 of DocBees Profile Manager supports Mac OSX 10.6 and Windows 7.



Doc Bees Profile Manager comprehensive generate profile report feature.

Bug fixes

- It is now possible to use special characters or diacritics (umlaut) when naming profiles in CoLiPri.
- The purify options ***Triplex*** and ***Duplex*** in the ***LinkEdit*** module are now purifying primary and secondary colors, too.
- The rendering option ***Blackpoint Compensation*** has been optimized for profiles with bad gray roundtrip.
- The ***Pure Gray*** exception is working correctly now for RGB-to-RGB DeviceLink profiles
- The crash of CoLiPri when applying as last filter via key commands is fixed.

Known limitations

- Since CoLiPri 2.0 Adobe Photoshop© CS2, 3 and 4 are supported. Older versions of Photoshop are no longer supported.
- The creation of RGB-to-CMYK DeviceLink profiles is currently not supported in the ***LinkICC*** tab. However the use of such DeviceLinks are possible in the ***Filter*** tab. You may create RGB-to-CMYK DeviceLinks with CoPrA.
- The Photoshop© filter technology does not permit us to transfer the assignment of color definitions or color names to the DeviceLink profile. Therefore, particularly in the case of MultiColor profiles with additional channels, ensure that you give the (Alpha) channels the required color names and LAB color definitions after conversion. You can use DocBees Profile Manager for this task as explained in the video tutorial.

Key

Terms printed in ***italics*** are also to be found on the software's user interface.