

## ColorLogic ZePrA Version 1.2.4

### New Features

1. The behavior of the *Spot Colors Conversion* option *Convert all CMYK process colors* has been changed. CMY spot color objects in PDF defined as DeviceN are now always converted to CMYK device colors in case of a CMYK-to-CMYK conversion. This is of particular importance for SaveInk conversions where CMY is replaced with K.

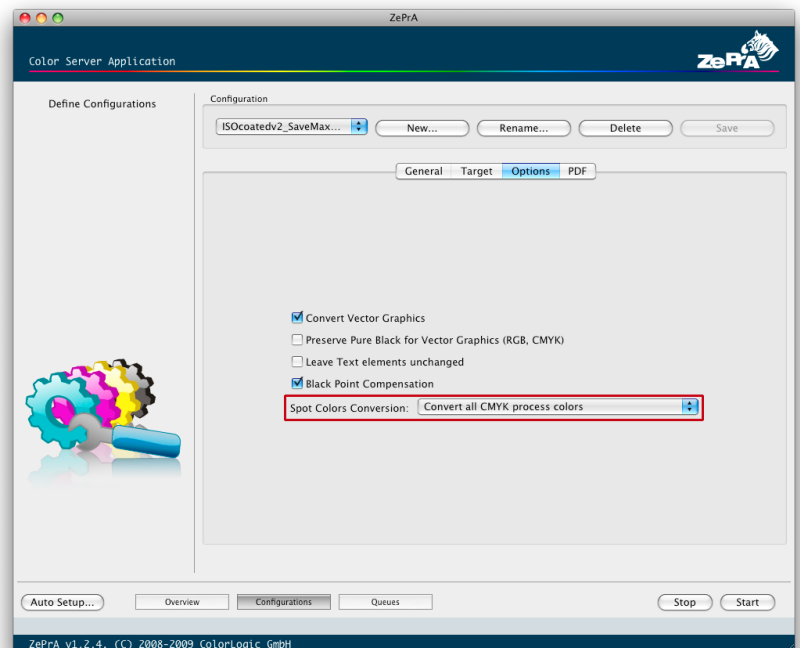
**Note:** The function *Convert all CMYK process colors* makes sure, that CMYK values defined as spot colors (DeviceN) are handled as if they were CMYK device colors.

After conversion the object is stored as a DeviceN object with the same color characteristics as before. In this way

a spot color object (DeviceN) consisting of e.g. Cyan and Yellow will be color converted according to the used profile and is always saved as Cyan and Yellow DeviceN object after conversion.

This generally wanted behavior has led to the unwanted situation in older ZePrA versions, that CMY spot color objects converted with a SaveInk profile have been color converted correctly but saved again as CMY DeviceN objects - thus deleting the K channel and leading to a wrong color. With the option *Convert all to target color space* the correct results could be reached, but all other spot colors (e.g. Pantone or HKS colors) will be converted to CMYK, too.

**Conclusion:** With ZePrA 1.2.4 SaveInk conversions can be done safely using the default option *Convert all CMYK process colors* without converting other spot colors.



2. Support of JPEG 2000 encoded CMYK objects in PDF files. Supporting this encoding is needed for modern PDF/X-4 and X-5 files. Older ZePrA versions have been able already to convert RGB objects encoded with JPEG 2000.

**Note:** ZePrA 1.2.4 is able to convert PDF/X-4 files including layers, transparency and JPEG 2000 encoded objects correctly. However it might be that Preflighting applications complain about converted PDF/X-4 files from ZePrA. The reason for this is that ZePrA only guides the XMP information of the PDF file through but does not modify the date stamp. This is not critical or absolutely needed but it is written down in the PDF/X-4 specs. We will change the XMP information in a later version accordingly. But today it is possible with ZePrA 1.2.4 to color convert PDF/X-4 files correctly.



### **Fixed Bugs**

- Fixed the bug that after a long processing time of ZePrA (e.g. running on a Mac Xserve over night) no files have been converted.
- Fixed very rare crashes due to incompatibilities with certain files which could not be processed from ZePrA.
- Minor GUI corrections for the headlines column width in the *Overview* window have been done.
- Minor PDF bug fixes.

### *Legend*

Words printed in *italic* are terms used in the graphical user interface of ZePrA.