

Method To Bypass Profiler Chip Updates On ColorSpan Printers - TSN22

Purpose of This Document: To instruct owners of Macdermid ColorSpan Wide Format Printers regarding a method to prevent updating of profiler chips so that UINK™ inks for ColorSpan may be used for refilling cartridges or bulk box dispensers.

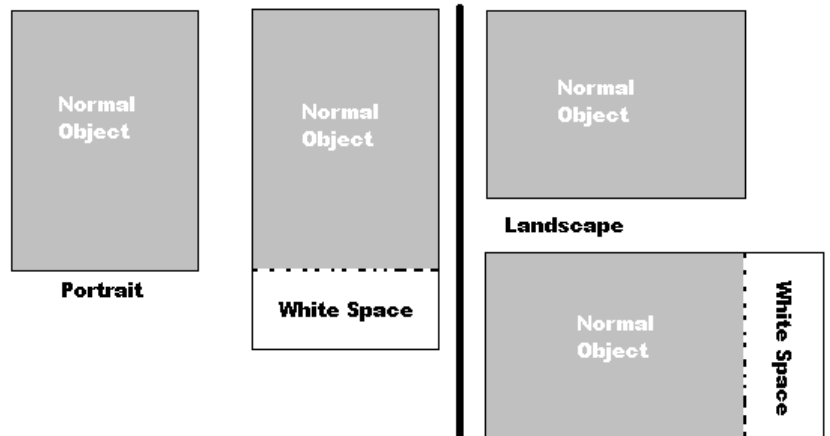
Compatibility: For any ColorSpan printer using profiler chips which has not had firmware updated to prevent bypassing. This method does not prevent updating of printhead smart chips, only profiler chips may be affected.

Background: ColorSpan Printers utilize extensively modified versions of Hewlett Packard inkjet cartridges which are supplied with inks unique to ColorSpan printers. In addition to physical differences in the cartridges and inks, Macdermid uses specialized smart chips, which Macdermid calls “profiler chips” to curtail attempts to refill these cartridges. The cartridges can be refilled quite easily if the profiler chip is prevent from updating to an empty cartridge (or fully used chip) status. Firmware updates to more recent models may prevent the ability to use this method to prevent updates. You should verify that you can bypass your chips BEFORE purchasing any inks. It may be possible to rollback the firmware to older versions to permit bypassing.

Limitations Of Method: Successful implementation of this bypass method will allow the user to make single document prints without changes to the status count on the profiler chip. Multiple copies of the same object as a single job or multiple jobs as a single run are not possible with this method.

Blank Space Cancellation Bypass Method

1. Open the object to be printed in the editing application used to create or manage the print properties of the object.
2. Determine the trailing edge of the object. The trailing edge of the object is the last portion of the object printed when the object is printed by your printer. Portrait orientation objects normally have the trailing edge on the bottom of the object. Landscape Orientation objects normally have the trailing edge on the right side of the object.
3. Increase the trailing edge of the object's dimensions by adding a minimum of 3 feet of blank space to the trailing edge of object. You may add more than 3 feet (we know of one user who adds 50 feet of blank space since he is not able to supervise the print constantly) if desired. The purpose of the blank space is to keep the job active so that updating of the profiler chip will not occur until the blank space has been “printed”.
4. Save the object file, either as a new file or overwrite the old file.
5. Send the object file to print as normal. Allow the normal object portion to completely print. When the printer begins printing the blank area, Cancel the job anytime before the blank space completes “printing”.
6. You can verify that a successful bypass has occurred by comparing the profiler chip count before print with the count after the print. No change means that you have successfully bypassed the update protocol of the profiler chip.



Due to litigation by ColorSpan against aftermarket manufacturers, we can not offer empty cartridges or profiler chips for the ColorSpan printers at this time.

We are able to offer UINK™ inks *specifically formulated* to reproduce the properties of ColorSpan EnduraChrome (Dye based inks, available in 8 colors) and PermaChrome (pigment inks available in 6 colors). These inks may only be used in ColorSpan printers. These inks are not manufactured by or endorsed by Macdermid.

The cartridges can be refilled using the same methods as the corresponding Hewlett-Packard cartridge of the same type.