

ColorSpan Legacy Print Server

Release Notes

Versions 8.90 – 8.98 for the
ColorMark Pro Print Server
Personal Software RIP
Professional Software RIP

Part number 0706368 Rev B



Legal notices

© Copyright 2008 Hewlett-Packard Development Company, L.P.

Confidential computer software. Valid license from HP required for possession, use or copying. Consistent with FAR 12.211 and 12.212, Commercial Computer Software, Computer Software Documentation, and Technical Data for Commercial Items are licensed to the U.S. Government under vendor's standard commercial license.

The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

Printed in the US

For additional technical support and user documentation please refer to: www.hp.com/go/graphicarts

Version 8.98 Release Notes

- ◆ Adds support for the DisplayMaker 72UVX and 98SI printers.
- ◆ Adds support for the new USB RIPKey device, maintains support for the parallel port RIPKey device.
- ◆ Implements a new ColorMark+ activation procedure.

RIPKey Support

During the installation or update process, the software will prompt you to install the RIPKey to either the parallel port or USB port.

- ◆ **If you have a parallel port RIPKey**, make sure it is installed when the installation software prompts for it.
- ◆ **If you have a USB port RIPKey**, do not install onto the USB port until the software has been installed or updated. After the software installation has finished, you will be prompted to run the Found New Hardware Wizard to install the RIPKey.

ColorMark+ Activation

The ColorMark+ Advanced Color Management System (CMS) software is now installed automatically with the Print Server Software. Before it can be used, you must purchase a license to use it, and the ColorMark+ software must be activated with a telephone call to ColorSpan Technical Services.

To activate the ColorMark+ software:

1. **On the System menu, select Activate ColorMark Plus...**

A dialog box appears instructing you to call ColorSpan Technical Services.

2. **Call ColorSpan Technical Services at the applicable number (see "Technical Support" on page 4).**
3. **Tell the Technical Services representative that you want to activate your ColorMark+ software, and give him or her the activation codes shown in the dialog box.**
4. **When directed by the Technical Support representative, click the OK button in the activation dialog box.**

A dialog box appears with a form for you to enter activation codes that will be provided by the Technical Services representative.

5. **Enter the activation codes provided by the Technical Services representative.**
6. **Click the OK button.**

A dialog box appears with a confirmation code.

7. **Read the confirmation code to the Technical Support representative.**
8. **When directed by the Technical Support representative, click the OK button in the activation dialog box.**

The ColorMark+ software is now activated and ready for your use.

Microsoft Windows XP
Service Pack 2

Microsoft Windows XP **Service Pack 2** users may encounter error messages after installing the ColorMark Software RIP:

- ◆ If you install the ColorMark Software RIP onto a computer running Microsoft Windows XP with **Service Pack 2**, the first time you start the Software RIP, the following message appears:



Click the **Unblock** button. This will prevent this error message from appearing every time the Software RIP starts.

Update from Versions 8.95-8.97c

To update the software from version 8.95, 8.96, 8.97, 8.97a, 8.97b, or 8.97c, you will need:

- ◆ ColorSpan Print Server Software Version 8.98 CD-ROM



Note The update software requires that your server be running 8.95 software or above. It cannot be used with any version of the floppy-disk based installation procedure for older ColorSpan Print Servers.

1. If the ColorSpan server is not running, power on the server.

The server boots. When it has finished its startup sequence, the System Control interface appears on the screen.

2. Wait until all jobs are done spooling, RIPing, and printing.

3. Load the ColorSpan Print Server version 8.98 CD-ROM into its drive on the print server.

4. From the System menu, select Update...

This starts the installation process. Follow the prompts to install the software.

5. When prompted after the installation process is complete, remove the CD-ROM from its drive.

The System Control interface reappears.

Technical Support

For service and support, contact MacDermid ColorSpan Technical Services:

- ◆ **World Wide Web:** www.colors span.com
- ◆ **Internet E-mail:** support@colors span.com

United States and Canada:

- ◆ Telephone: (800) 925-0563 or (952) 944-4040
- ◆ Fax: (952) 943-3611 or (952) 944-8509

Latin America:

- ◆ Telephone: +1 (952) 943-3427 or +1 (952) 943-3627
- ◆ Fax: +1 (952) 944-1244

Europe/Middle East/Africa:

- ◆ Telephone: +31 23.5622000
- ◆ Fax: +31 23.5627944

Asia/Pacific:

- ◆ Telephone: +1 (952) 943-3320
- ◆ Fax: +1 (952) 943-3313
- ◆ Telephone (South Korea): +82 (2) 3461 1532

Version 8.97c Release Notes

- ◆ Supports the DisplayMaker Gator 72SRU (SR Upgrade).
- ◆ Incorporates a version of ColorMark+ that provides profile generation at 600x300 dpi for printers that support that mode.
- ◆ Improved support for the GretagMacbeth Eye-One spectrophotometer.

Version 8.97b Release Notes

- ◆ Support for the DisplayMaker 72SI solvent inkjet printer — the ColorSpan Print Server Software now accepts print jobs from this new printer.
- ◆ Updated embedded software for the DisplayMaker Mach 12 and X-12+ — these software updates are included in this release of the ColorSpan Print Server Software.
- ◆ Hang-on-RIP-completion fixed — the server no longer hangs after RIPing a print job. This was occurring with greater than 1 gigabyte of RAM on some hardware/operating system combinations.
- ◆ Improved dialogs when exporting System/Tracking logs
- ◆ Improved support for the GretagMacBeth Eye-One spectrophotometer
- ◆ 600x300 print jobs indicated in queues — print jobs RIPed at 600x300 dpi are indicated in queues with a “6x3” icon:
- ◆ Startup crash fix — this version fixes the startup crash that occurred on some hardware.

Version 8.97a Release Notes

- ◆ Support for the DisplayMaker 98SX solvent printer — this new ColorSpan printer now can be added to the server. ColorMark+ supports this new printer for linearization and color profile creation.
- ◆ Support for the DisplayMaker 72UVR UV curable inkjet printer — this new ColorSpan printer now can be added to the server.
- ◆ Warn on Low Ink — this feature is disabled for the DisplayMaker 72S, 72SR, and 72UVR printers, which manage ink levels onboard the printer.
- ◆ GretagMacbeth Eye-One spectrophotometer — this version supports the Eye-One for linearization and (ColorMark+) color profile creation. This device requires the installation of the driver software provided by the manufacturer. For best results use the same device to calibrate a profile as was used to create it. The factory profiles were created with an X-Rite DTP-41, except for the 72UVR rigid profiles, which were created with an Eye-One. “Cross-device” calibration may result in a color shift.
- ◆ When reading targets, the help dialog will disappear as you scroll down. Use the cursor to relocate the help dialog. If you use the item under the help menu to deselect the dialog and reselect it, the target reading process will crash. Do not calibrate this device in the middle of reading patches, the device will become unresponsive.
- ◆ External devices no longer scanned — the software no longer automatically detects the spectrophotometer installed; instead, it presents a list from which the user must choose the correct device. Be sure to choose the correct device, especially if you are using the printer’s onboard spectrophotometer, or color matching will not be accurate.

Version 8.97 Release Notes

- ◆ Support for the DisplayMaker 72S and DisplayMaker 72SR digital solvent printer.
- ◆ ICC Composite Workflow — supported for DisplayMaker 72S/72SR, DisplayMaker X-12, DisplayMaker Mach 12, DisplayMaker Esprit, DisplayMaker Series XII.
- ◆ The server can now accept composite print jobs that were created using an ICC profile. It is no longer necessary to send the job as color separations, as with previous versions of the ColorMark Print Server Software and the ColorMark+ Advanced Color Management System. For further information, see “Using an ICC Composite Workflow” on page 3.
- ◆ Rick Black — the color black is created by combining all four ink colors, a technique called “Rich Black.” In previous versions, the color black optionally could be created by printing with black ink only (“Pure Black”). Pure Black was effective only in a small number of cases, and often caused a visible anomaly called “bronzing” in black areas of images. For these reasons, the Pure Black option has been removed.
- ◆ Ink remaining percentage — for the DisplayMaker 72S/SR only, the ink remaining percentages have been removed from the Printer Status dialog box. For ink remaining indications, refer to the Ready for Refill LEDs and press the Media & Ink button on the control panel’s Front Page screen.

Version 8.96 Release Notes

- ◆ DisplayMaker 72s — this version supports printing to the DisplayMaker 72s printer.

Version 8.95 Release Notes

- ◆ **Windows 2000-based** — this version uses Microsoft Windows 2000 as its operating system.
- ◆ **FTP server** — you can use the ColorMark Pro print server’s built-in FTP server to transfer files for enqueueing by the DiskDirect feature.
- ◆ **IP configuration** — users of this version must use the operating system’s IPCONFIG utility to determine the server’s IP address.

Using the FTP Server

The print server includes a built-in FTP server that can be used to receive files via TCP/IP networks for printing. The following paragraphs explain how to:

- ◆ Enable the Server
- ◆ Copy Files to the Server
- ◆ Print Files Using DiskDirect

Enable the Server

1. **Open the Windows Control Panel.**
2. **Double-click Administrative Tools.**
3. **Double-click Internet Services Manager.**
4. **In the left pane, click on the web site icon.**
5. **Click the plus sign to display the Default FTP site icon.**
6. **Right-click the Default FTP site icon.**
7. **Select Properties.**

The Properties dialog box appears.

8. **Click the Home Directory tab.**

Click the checkbox marked Write, so that a checkmark appears in the box.

Do not change any other settings from their default values.

9. **Click the OK button.**
10. **Close the Internet Services Manager.**
11. **Close the Administrative Tools window.**

Copy Files to the Server

1. **Open a web browser or FTP client application on any client computer that is connected to the same network as the ColorMark Pro print server.**

2. **Enter the following FTP address:**

```
ftp://ip_address/images
```

where *ip_address* is the IP address of the ColorMark Pro print server. For example, if the IP address of the server is 10.10.10.45, the FTP address is:

```
ftp://10.10.10.45/images
```

To determine the server's IP address, see "IP Configuration" below.

3. **Copy the file(s) to the ColorMark Pro server.**

The method for copying files varies depending on the FTP client application. Refer to the application's online help or user manual for instructions.

Print Files Using DiskDirect

1. **In the server's System Control interface, click the DiskDirect icon (under Ports).**

A dialog box appears with various source locations for DiskDirect files.

2. **Click the Select Directory button.**

A directory tree selection dialog box appears.

3. **Browse to the directory "y:/images."**
4. **Select the file type (such as EPS, TIFF).**
5. **Select the file you want to print.**
6. **Click the OK button.**

The file is enqueued by the server.

IP Configuration

To determine the server's IP address:

1. **From the Windows Start menu, select Run...**

The Run dialog box appears.

2. **Type CMD and press the Enter key.**

The Windows command line window appears.

3. **Type IPCONFIG and press the Enter key.**

Windows displays the print server's IP address information.

- ◆ **To dismiss the Windows command line window, type EXIT and press the Enter key.**

Version 8.94 Release Notes

These features apply to Version 8.94 for the ColorMark Pro print server and RIPStation print servers, and to Version 8.84 of the Software RIP (Professional and Personal) products.

- ◆ **DisplayMaker X-12 printer** – this version or later is required to print to the DisplayMaker X-12 printer.
- ◆ **MediaSaver** – MediaSaver jobs now print correctly.
- ◆ **Software RIP** – Printing Tools directory updated.

ColorMark+ Version 3.12

- ◆ Supports the DisplayMaker X-12 printer
- ◆ Prints ten linearization patches instead of six

Version 8.92 Release Notes

This version combines the features of version 8.91-52 with embedded software for three ColorSpan printer products. New features added since version 8.91 include:

- ◆ **RGB color space options** (requires the ColorMark Color Management System version 7.91 or later) – this feature was originally introduced in the interim software version 8.91-52. See below for details.
- ◆ **Support for the latest ColorMark Pro Print Server hardware.**
- ◆ **DisplayMaker Mach 12 Embedded Software Version 2.10**
- ◆ **DisplayMaker Series XII Embedded Software Version 1.74**
- ◆ **DisplayMaker Esprit Embedded Software Version 1.92**

Output Color Spaces

This version of the Print Server Software allows you to select from a variety of device-specific RGB color conversion methods. Matching an RGB output color space, as defined in application programs such as Adobe Photoshop, with its corresponding conversion method will result in more accurate color reproduction and an expanded color gamut.

The new files correspond to these output color spaces:

- ◆ Adobe RGB
- ◆ Apple RGB
- ◆ CIE RGB
- ◆ ColorMatch RGB
- ◆ sRGB

The original conversion files are also provided, but with different names. The file “cs1” is now “ColorMark RGB.” The file “cs2” is now “ColorMark 2 RGB.” Starting with the May 2002 (“52”) Update of the Print Server Software, these settings were moved from the **Printer Configuration** dialog box to the **Port Configuration** dialog box.

The terminology used and location of the color space options varies by application. Certain applications, application versions, or application functions may not support color management at all. The key point to remember is to match the **RGB output color space** in the application with the **RGB Color Space** (conversion method) selected in the Port Configuration dialog box on the ColorSpan print server.

If you receive print files from customers, ask them to use one of these RGB color spaces when creating or outputting the files. If this is not possible, trial-and-error is the only way to find the optimal conversion method, although acceptable results may be generated by more than one method.

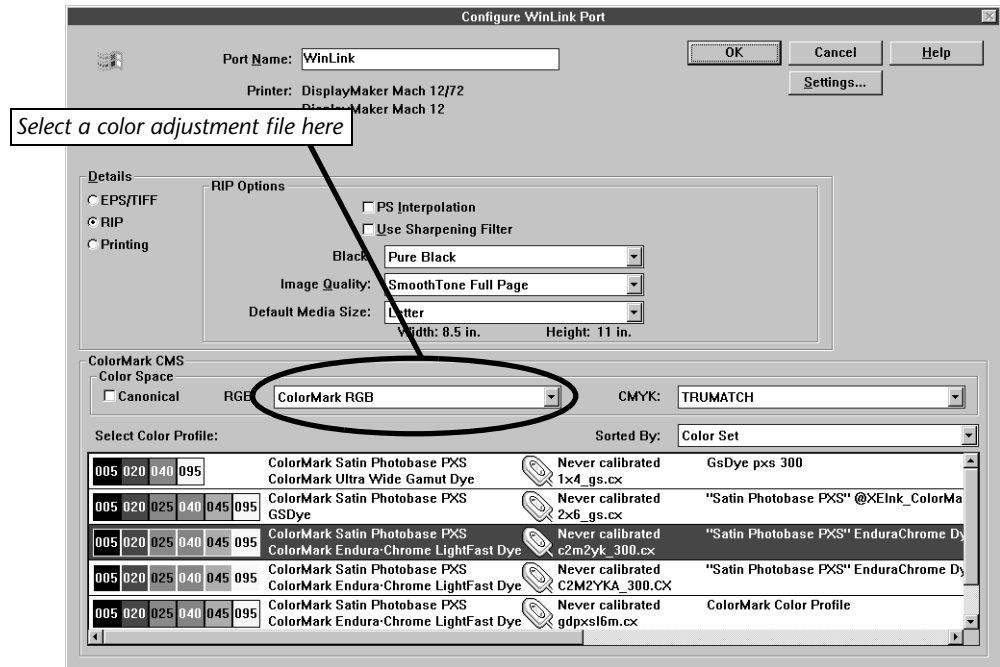


Note You will notice the best results from this feature after you install ColorMark CMS version 7.91 or later color profiles for your printer, although this feature will provide some improvement even without the latest profiles.

To select an output color space:

1. Select an output color space from the Port Configuration dialog box on the ColorSpan print server.

Select a color space that is available in your application program. Refer to your application software's user documentation for more information about color spaces.

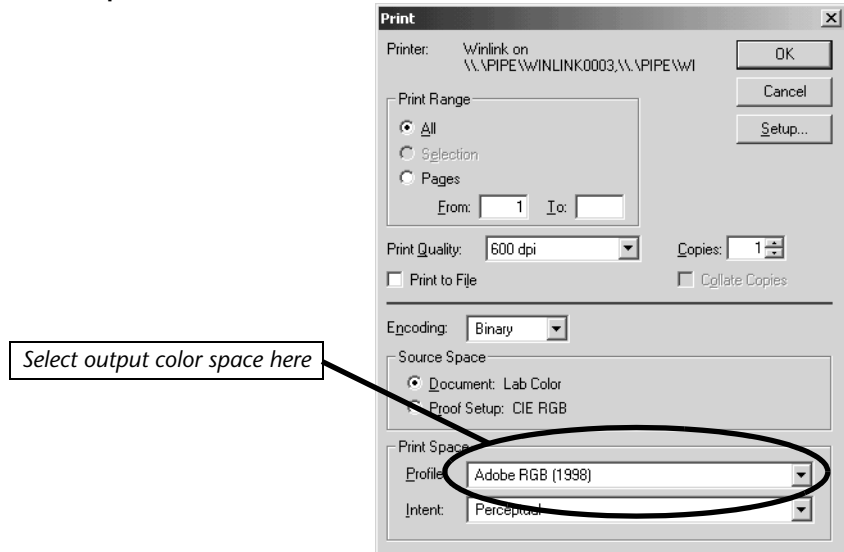


2. Select an output color space in the application program.
 - ◆ If you will be printing the document, select the color space in the application's Print dialog box.
 - ◆ If you will be downloading the document, select the working color space in the application's color configuration dialog box. Note that some file formats may not support the color space you selected in step 1; if so, select another file format or color space. After changing the working color space, you may need to adjust the colors in the document to compensate for any resulting color shift.

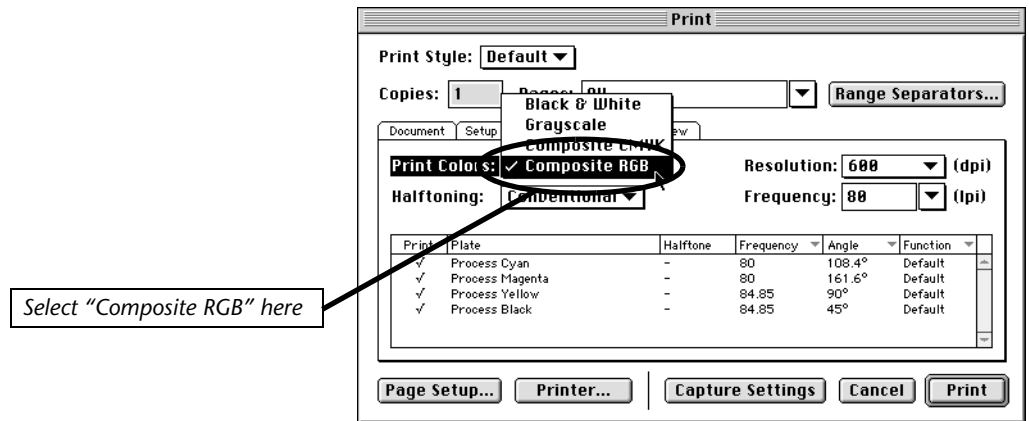
Example: Setting Print Options

Select the color space in the Print dialog box if you are going to print the document.

Adobe Photoshop



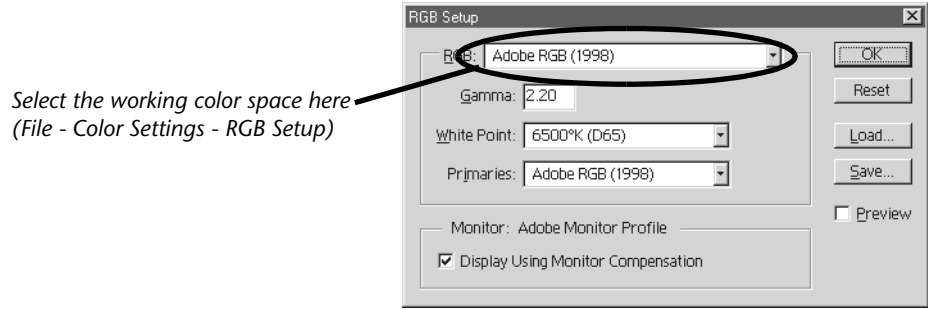
QuarkXPress



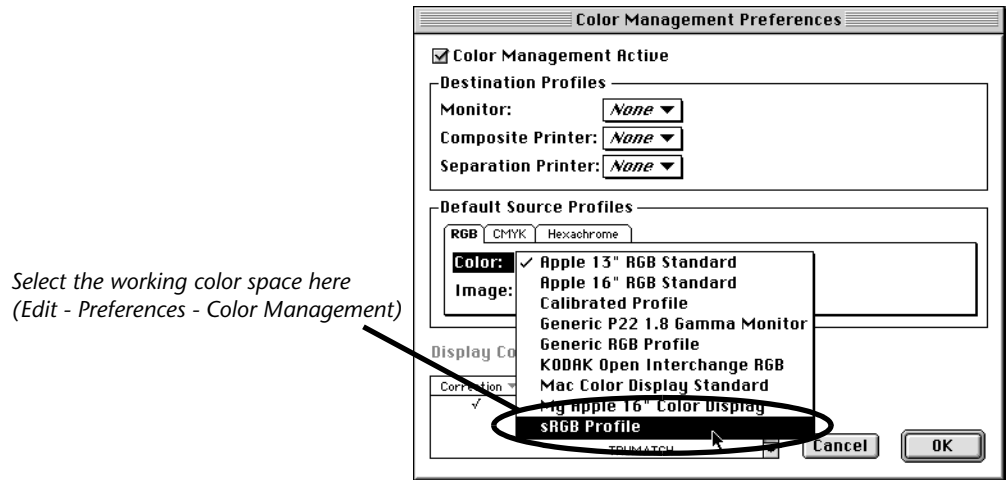
Example: Setting the Working Color Space

Select the working color space in the "settings" or "options" dialog box of the application if you are planning to save to a file and download the document. In the case of QuarkXPress, change this setting prior to either printing or saving for download.

Adobe Photoshop



QuarkXPress



3. Print or download the document.

To print the document, click OK or Print in the application's Print dialog box.

To download the document, first save it in a file format that is supported by the ColorSpan Downloader Utility and your Print Server. Then download the file.

Version 8.91-hr Release Notes

- ◆ Support for new RGB color space options (requires the ColorMark Color Management System version 7.91 or later, refer to the ColorMark *Release Notes*, part number 0706154, for instructions).
- ◆ DisplayMaker Mach 12 embedded software version 2.10 (refer to the *Release Notes*, part number 0706155, for details)

Version 8.91 Release Notes

- ◆ Sharpening, PS Interpolation, and setting the Virtual Memory (VM) in the RIP Options are not supported by the PostScript 3 compatible interpreter, so they were removed from the System Control interface.
- ◆ Spooled AppleTalk ports now report the correct PostScript version.
- ◆ A bug that caused error diffusion diagonal noise has been fixed.
- ◆ A bug that prevented Canonical mode from being changed has been fixed.
- ◆ “Unknown” media remaining — the bug has been fixed that caused the server to display a large number when the DisplayMaker Mach 12 printer reported an unknown amount of media remaining. In this case, the server now displays the amount as “Unknown.”
- ◆ The amount of ink used is now more accurately reported in exported Tracking Logs.

Version 8.90 Release Notes

- ◆ **PostScript 3 compatible interpreter** — can process the following file formats: Adobe Acrobat Portable Document Format (PDF), TrueType (Type 42) fonts, and CID fonts, as well as the document formats supported by the PostScript Level 2 interpreter that was included in previous ColorSpan print server products.
- ◆ **Improved gradients from Adobe Illustrator documents**
- ◆ **ColorSpan Downloader Utility for Macintosh** — adds support for downloading of PDF files to the server from Macintosh clients, and the ability to download fonts in a “v. 8.90 or later” (PostScript 3 compatible) format (in the Preferences dialog box).
- ◆ **More efficient partitioning of the internal fixed disk drive** — provides more disk space for processing and storage of user-created color profiles, and the Free Space bar graph at the bottom of the System Control screen now more accurately reflects the amount of space available.

Downloading PDF Files from Windows

The Downloader Utility for Microsoft Windows was not updated to enable downloading Adobe Acrobat (PDF) files. Windows users can download PDF files using the command line:

```
copy /b filename.pdf \\servername\winlink
```

where

/b indicates a binary file

filename.pdf is the name of the PDF file to download

servername is the name of the ColorSpan print server to receive the file

winlink is the name of the port (the default is “winlink”)

You can enter this command line by clicking **Run...** on the Windows Start Menu. (If you do not know the name of the server, from the System Menu of the System Control interface, select **Server Name...**).