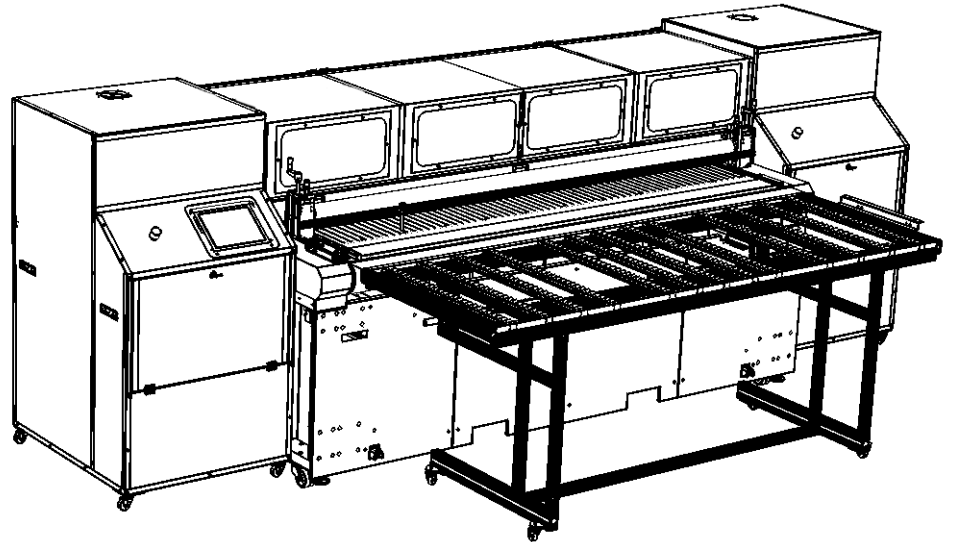


HP Scitex FB910 Printer  
Release Notes



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# Update Instructions

The printer embedded software is updated by downloading the new version to the printer from the RIP. These instructions apply to users of the HP Software RIP. If you are using a third-party RIP, refer to the instructions that accompany it.

1. Make sure the printer is online.
2. Wait until the printer has finished printing.
3. Locate the update file you downloaded from the HP web site and uncompress the archive file; or load the disc containing the update into the computer's disc drive.
4. Copy the update file to a Hot Folder that is routed to the printer.

The file moves to the output queue on the route of the Hot Folder. The file is transferred to the printer. A message appears in the tree view as the update proceeds.



**CAUTION:** After the update process is complete, the printer will reboot the embedded software. Do not remove power with the power switch or by disconnecting the power cord from the printer until the printer has finished rebooting.

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5. Verify the software update.

Display the software version number on the printer's control panel. Refer to the printer's *User Manual* for instructions.

6. If you installed the update software from a disc, remove the update disc from the computer.

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# Version 2.40 Release Notes

- **NEW Action message to replace UV lamp at 1000 hours** — to avoid poor curing performance of the UV lamp bulbs, after a bulb reaches 1000 hours of service, an Action message appears on the control panel, and subsequent print jobs will not be printed until either the bulb is replaced or the lamp hours is reset to zero. Resetting the lamp hours is not recommended, but is allowed. The bulbs are covered by a factory warranty for 500 hours.
- **NEW Rail height reset at every printer restart** — to ensure rail height accuracy, the rail is raised to its home position every time the printer is restarted. To reset the rail height, you can power off then power on the printer.
- **NEW Leading/trailing overprint setting** — you can now specify an overprint value for the leading and trailing edges, and a different value for the right and left sides. **(Menu > Printer Settings > Margins)**
- **NEW Hewlett-Packard branding** — this version of the software changes all MacDermid ColorSpan branding (splash screen, product names) to Hewlett-Packard Company branding. To avoid these changes, do not update to this or any future version of the printer software.
- **Measuring roll-fed media** — to ensure accurate measurements by avoiding printed areas, the printer advances roll-fed media 4.0 inches (10 cm) prior to being measured.

# Version 2.40 Menu Tree

New Option = item added since version 2.32

~~Old Option~~ = item deleted since version 2.32

*Italic* = dynamically hidden, depending on mode

There were no changes to the menu since version 2.32.

## Calibrate Printer

### Auto Calibrations

- AutoBidi Calibration
- AutoH2H Calibration
- AutoJet Calibration
- Full AutoSet
- AutoSet Summary

### Manual Calibrations

- Manual Bidi Registration
- Printhead X Calibration
- Manual Jet Mapping
- Jet Status Lines
- Media Feed Calibration
- Print Jet-Out Lines
- Default Registration Data
- AutoTune* (Rollfed printing only)

## Printer Settings

### *Special Modes* (sheetfed printing)

- Edge-To-Edge (Sides Only)
- Edge-To-Edge (All 4 Edges)
- Vacuum Control
- Printing Delay
- Margins
- Space Between Prints* (Rollfed)
- Print Position
- Measure Media* (Sheetfed)
  - Minimal
  - Standard
  - One Edge
  - Maximal
- Print White Space
- Head Height off Media
- Eject Sheets to Input Side* (Sheetfed)
- Purge Type
- Top Gutters
- Quality Check
- Sleep Wait Time
- Expert/Novice Messages
- Localization
  - Units of Measure
  - Time Format
  - Date Format
  - Vacuum Pressure Units
- Use Thickness Sensor
- Low Ink Warning
- UV Lamps Idle Time
- Exhaust Fans On Always

## Support Rollfed

- Confirm UV Lamps
- Printer Name
- Restore All Defaults

## Tools

### System Information

### Maintenance

- Perform An Air Purge
- Print Recover Jets Pattern
- Access Printheads
- Print Jet-Out Lines
- Print Media Skew Lines
- Reset Reservoir Filters
- Reset UV Lamp Hours
- Reset UV Lamp Filter Hours
- Printheads Procedures
  - Load Ink In All Heads
  - Fill Heads with Ink
  - Empty Heads (Fill with Air)

### User Diagnostics

- Printhead Jet Statistics
- VideoNet Status
- VideoNet Connection
- Carriage Motion Calibration
- Vacuum Pressure
- Warnings and Actions List
- Error History
- Log Error History
- Log System Info

## Warnings & Actions (In Expert Mode only)

## Service Printer

## Print Menus

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# Technical Support

For service and support, contact your local reseller, who can provide prompt and personalized support. For issues that cannot be resolved by your reseller, contact Technical Services:

- **World Wide Web:** [www.colorspectra.com](http://www.colorspectra.com)

- **E-mail:** [cs.support@hp.com](mailto:cs.support@hp.com)

- **Telephone:**

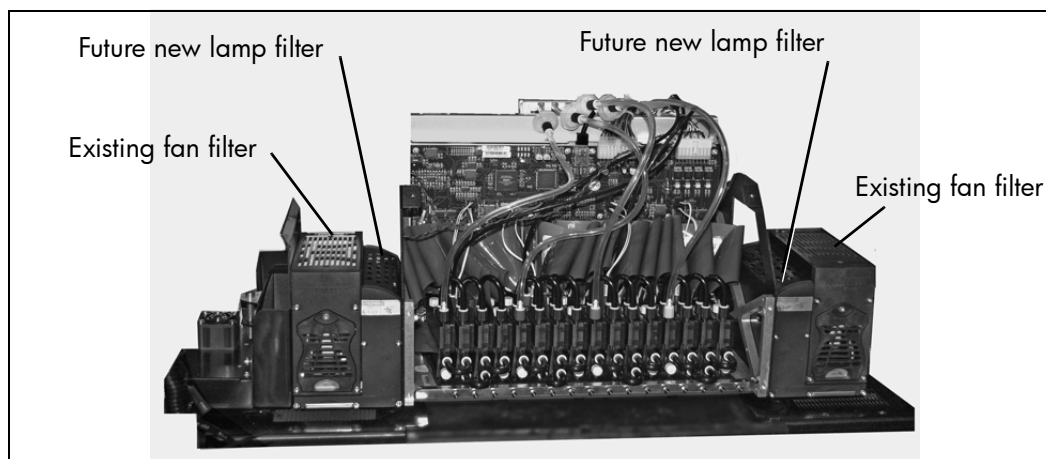
North America: (800) 925-0563

Outside North America: +1 952.944.4040

En Español: +1 952.943.3627

## Version 2.32

- **NEW Exhaust Fans On Always** — you can set the exhaust fans to operate only when the UV lamps are on or cooling (the default setting), or always on. (**Printer Settings > Exhaust Fans On Always**)
- **NEW Lamp filter support** — this version supports the future new UV lamp filters (when they are made available from HP). After 100 hours of use, a control panel Warning message will remind users to check the filters and clean or replace if they are dirty. The service hours timer can be checked and reset at Tools > Maintenance > Reset UV Lamp Filter Hours. This feature can be enabled after the first time the new filters are installed.



- **UV Photobase settings added to Media Wizard** — when rollfed printing is enabled, UV Photobase now appears in the Media Wizard list of standard media.
- **Multi-sheet N-UP** — functionality has been enhanced with HP Software RIP version 1.2 and later.
- **“Lamps On” confirmation removed for calibration prints** — the operator confirmation of “lamps on” between calibration prints has been removed, resulting in a smoother workflow.
- **“Bidi not calibrated” warning at startup** — this unnecessary message no longer appears during startup.
- **Camera errors** — various camera (onboard imaging sensor) errors are corrected.
- **Margin info at load time corrected** — when loading rigid media, the margins are now reported with consistent measurements on different screens on the control panel.
- **UV lamp error during wake cycle** — the UV lamp error that was displayed during the wake-from-sleep-mode cycle no longer appears.
- **Regular N-UP and Tiling** — Regular N-UP and Tiling with HP Software RIP version 1.2 works, but the printer does not properly prompt for the second and subsequent sheets. The HP RIP will print all sheets if the user loads them.
- **Profile creation** — the space between groups of ColorMark+ patches has been increased, the amount of media remaining now updates correctly.
- **Media handling for profile creation and calibration** — the rollers are no longer raised after printing a calibration print. For profile creation or calibration, the sheet is ejected if the selected pattern will not fit on the media remaining, and the printer prompts for another sheet.

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## Version 2.31

The printer's UV lamp power supply firmware version 7.32 and higher will work best with this embedded release. Contact ColorSpan Technical Services for assistance in obtaining and installing the UV lamp power supply firmware update.

- **Elapsed time-in-service counter** — the counter that tracks the total amount of time that each of the UV lamps has been used is now more accurate.
- **UV lamp lighting reliability** — cool-down and shutter parameters have been adjusted to ensure more reliable lamp lighting.

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## Version 2.30

For details on using these features, see the 0700115 Revision C *User Manual*.

### Productivity Features

- **NEW Stored Jobs** — stores print jobs in the printer's memory, in a rotating first-in-first-out (FIFO) buffer, and presents a directory of these jobs on the control panel for printing. Stored Jobs can be reprinted without resending them from the RIP.
- **NEW Simplified Multiple-Sheet N-UP handling** — printing on multiple sheets of rigid media in a row across the belt, or Multi-Sheet N-UP, has been simplified. It is no longer necessary to specify a special multiple-sheet N-UP job with the HP RIP. If multiple sheets are loaded on the printer, and multiple copies are specified in the print job, the copies will print on as many rows of sheets as necessary to print all of the copies. This printer-based method also allows users of third party RIPs to print multiple-sheet N-UP jobs.
- **NEW Input-side eject** — enables you to eject completed sheet-fed print jobs from the input side of the printer, rather than the output side. Workflow is simplified by enabling the operator to remain on the input side of the printer for sheet-fed printing. (**Printer Settings > Eject Sheets to Input Side**)

These "productivity features" can be used together. For example, stored jobs can be printed two-sided, N-UP on multiple sheets, with the media ejected to the input side after side one is printed (in this case, the media is always ejected to the output side after the second side is printed).

### RIP Issues

- **HP RIP** — any multi-sheet N-UP jobs previously created on the HP RIP can still be printed as before. If a single-sheet, multiple copy job does *not* fit in Stored Jobs memory, the server has to send the multiple copies to the printer one at a time. In this case, use the HP RIP's multi-sheet N-UP feature.
- **Third-party RIPs** — third-party RIPs can only print on one sheet at a time. If the job fits in memory, you can print the job once from the server, and allow the job to be stored in memory. Then the Stored Job can be printed by setting the number of copies desired, and the printer will print on all sheets loaded. If the job does not fit in memory, there is no way to print multi-sheet N-UP from a third-party RIP.

Third party RIPs do not currently send unique file names to the printer, although the printer does assign a unique serial number to each Stored Job. In this case, you can assign meaningful names to the Stored Job numbers in a written log.

## Other Features

- **NEW One Edge media measurement** — speeds throughput by measuring the user- and service-end edges on the first sheet, and the user-end edge only on subsequent sheets, with no skew detection. This is for single-sheet jobs only, not available for multi-sheet N-UP. Works best on jobs with wider margins. For edge-to-edge printing, use the Maximal setting instead. **(Printer Settings > Measure Media > One Edge)**
- **NEW UV lamps warm up/cool down countdown timer** — during the UV lamps warm up/cool down cycle, a countdown timer on the control panel displays the time remaining.
- **NEW Automatic carriage wheel maintenance** — once every hour while the printer is in sleep mode, the carriage will move a short distance to the right or left, to prevent a flat spot from forming on the carriage wheels.
- **NEW Confirm UV Lamps** — when On, the first time a print is sent after the lamps are turned on, the control panel asks you to verify visually that the lamps are on according to the lamp settings. If you confirm by pressing the Proceed key, printing proceeds. If you do not press Proceed, or if you do press the Cancel key, the print job is canceled.
- Lamps timeout increased from 8 minutes to 15 minutes, to allow the lamps to remain on for a longer period while idle. This can enable you to avoid lamp cool-down/warm-up cycles and the amount of time spent waiting for these cycles to complete.
- Media Wizard data has been added to the Print Info Pages, for troubleshooting by HP Technical Services. **(Service Printer > Print Info Pages)**
- Gutter Settings, UV Lamps Warm Up Time options were removed.

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## Version 2.25

- **NEW Support for roll-fed printing** — with the optional roll-fed supply and takeup hardware installed, this version supports printing on roll-fed media. This includes the following functions:
  - **Load** — now supports roll-fed media, with or without using the takeup spool. For instructions, refer to “Load and Print on Roll-Fed Media” in Chapter 2 of the *User Manual*, Revision B, part number 0700115. **(Front Page)**
  - **AutoTune** — schedules jet maintenance to run automatically after a certain number of prints have printed. This helps ensure the highest quality prints during long periods of unattended printing. Refer to “AutoTune” in Chapter 4 of the *User Manual*. **(Calibrate Printer > AutoTune)**
  - **Media Feed Calibration** — calibrates the media feed for precise printing. Refer to “Media Feed Calibration” in Chapter 4 of the *User Manual*. **(Calibrate Printer > Manual Calibrations > Media Feed Calibration)**
  - **Space Between Prints** — defines the amount of black space between prints on rollfed media. Refer to Chapter 5 of the *User Manual*. **(Printer Settings > Margins > Space Between Prints)**
  - **Support Rollfed** — enables or disables the roll-fed printing functions of the software. Refer to Chapter 5 of the *User Manual*. **(Printer Settings > Support Rollfed)**
- **Ink pumps enabled during Purge** — in a previous version, during a Purge process, the ink pumps were incorrectly disabled via a hardware interlock switch. In this version, the pumps operate as expected during a Purge process.



- **Purge during paused printing removed** — there is no longer the option to perform a purge while printing is paused.

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## Version 2.24

- **Multiple-sheet N-UP improvements (requires version 2.24 with the HP Software RIP version 1.1 beta or later):**
  - Loading of second and subsequent rows of media for multi-sheet N-UP jobs — the second and subsequent rows of sheets can be loaded after the preceding row has passed the media alignment bar. Previously, the preceding row had to finish printing before subsequent rows could be loaded.
  - Last row may have fewer sheets — all rows of a multi-sheet N-UP job must have the same number of sheets, except the last row. The last row may have fewer sheets than the previous row. For example, if ten copies of an image are printed three sheets per row, the last row may contain one sheet, and the printer will print only one image in that row.
  - The left and right margins on the second and subsequent rows of multiple-sheet N-UP jobs are now interpreted correctly.
- The multiple-sheet N-UP feature enables you to print copies of single-page, untiled images onto one or more rows of multiple pieces of cut-sheet media. The HP Software RIP will detect when other types of images (multiple-page and/or tiled) are sent as multiple-sheet N-UP jobs, and prevent them from printing.
- Streamlined media load for subsequent sheets — loading sheet-fed media now has a thickness setting for “Same as previous load,” which will leave the carriage rail height unchanged from the previous print. In this case, the printer will verify the thickness of the sheet loaded and adjust the head height if necessary.
- The maximum length for sheet-fed media is now 400 inches (1016 cm).
- “Never” automatic Sleep setting removed — the automatic Sleep timeout setting can no longer be set to “Never.” The printer should always go into sleep mode at some point, to switch off the ionizer bar for less maintenance and longer life, and to switch off the UV power supply to reduce power consumption.
- This version contains preliminary support for roll-fed printing.

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## Version 2.23

- **NEW Support for new-style control panel touch screen** — this version supports the new-style (resistive) touch screen, which can be operated with a gloved finger or stylus. The original style (capacitive) touch screen can only be operated with a bare finger, because it relies on changes in electrical capacitance to detect where the panel is being touched.



**CAUTION:** Do not touch the control panel screen with a sharp instrument or press with excessive force. Permanent damage to the screen could result. Use your fingertip instead.

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## Touch Screen Calibration

The touch screen is calibrated at the factory so it can accurately interpret user input. If screen touches appear to be detected at the wrong location, the screen should be recalibrated. The calibration process involves touching the screen at two locations.

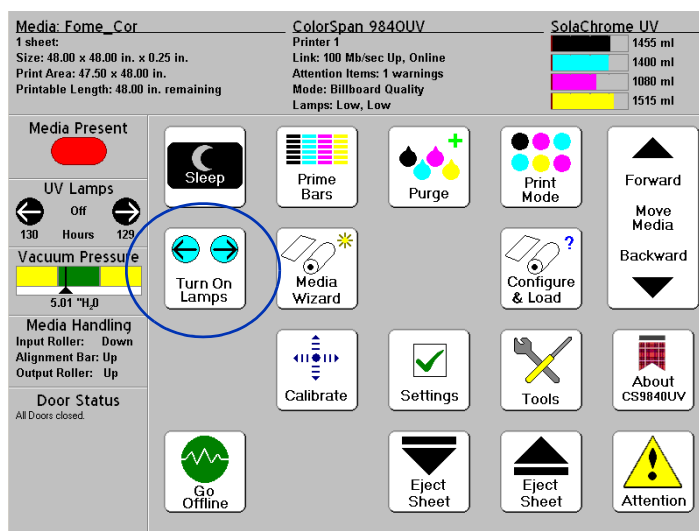
You can initiate a calibration for either the old or new style screens via the **Service Printer** menu.

If the new-style screen requires calibration, it will prompt the user to calibrate the panel. Follow the onscreen instructions.

## Version 2.22

### General Features

- **UV power supply firmware** — this version of the embedded printer software only supports version 7.19 of the UV power supply firmware. Do not apply this version of the embedded printer software until the UV power supply has been updated by an Authorized Service Provider.
- **Turn On Lamps/Turn Off Lamps button added to the Front Page screen** — the **Tools > Lamps On/Lamps Off** menu item has been deleted.



- Erroneous characters at the bottom of the control panel screens no longer display.

### Shutter Errors

The UV curing system uses shutters to block and expose the UV lamps as needed to cure jetted ink or prevent curing of the ink on the printheads.

A control panel warning message appears if the shutters become jammed shut or closed, or if a sensor indicates they are not opening or closing as required (this will not interrupt printing):

- If the shutters appear to be opening and closing, simply reset the warning message and proceed with printing.
- If one of the shutters appears to be jammed open or closed, report this to HP Technical Services for a possible repair. In this case, you can continue printing unidirectionally with the working lamp. For perfor-

mance similar to bidirectional printing, print right-to-left with the user-side lamp, or print left-to-right with the service-side lamp.

- If either shutter is jammed open, you may continue printing on thinner media (less than 0.5 inches/127 mm); printing on thicker media is not recommended due to UV light exposure when the lamps are off the media.

## Roll-Fed Media

Settings for roll-fed media are present in this version of the software; however, do not configure the printer for roll-fed printing unless the HP supply and takeup mechanism is installed on the printer.

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