



Firmware PLS_31_22_14.6 is available

For the HP Latex 700 / 800 printer series

June 2022

Related links:
www.hp.com/go/latex/

A new firmware version PLS_31_22_14.6 is now available to download and install for HP Latex 700 and 800 printer series. HP strongly recommends installing this new firmware version on all units, as it includes significant improvements.

Firmware can be upgraded by downloading the firmware package from the hp.com website.

Upgrade instructions

IMPORTANT: The jobs in the control panel print queue will be deleted when updating the firmware. You will need to send them again from the RIP software to have them available in the control panel job queue.

There are two options to update the firmware to the latest version.

Firmware update using a USB flash drive

1. Download the firmware package and store it on the USB flash drive.
(MD5: 0FCCB6DB2410C750315F186483A7BF2C)

IMPORTANT: The USB flash drive should contain only one firmware file (.fmw) in the drive's root folder, and no other files.

2. Connect the USB flash drive to the USB connector at the rear of the printer.
3. Follow the on-screen instructions on the control panel.

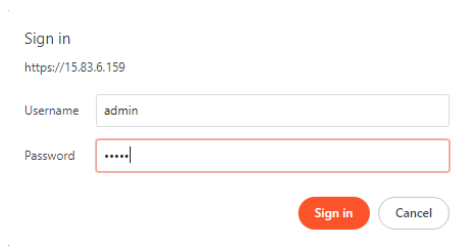
Specifications of the USB flash drive:

- USB 2.0 compatible
- At least 8 GB capacity
- FAT 32 preformatted
- No hardware encryption

Firmware update using the Embedded Web Server

1. Download the firmware package and store it on the RIP PC's hard disk.
2. Access the Embedded Web Server by entering the IP address of the printer in a web browser.

NOTE: You might need to enter user and password details. Type **admin** in each field and tap **Sign-in**.



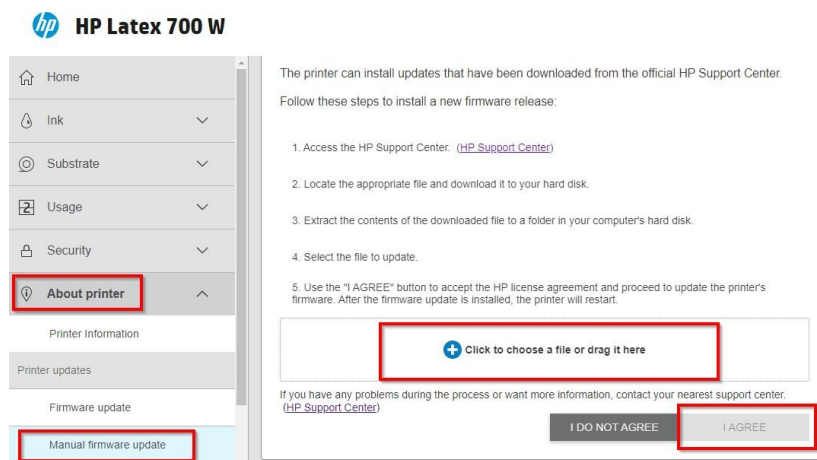
Sign in
https://15.83.6.159

Username

Password

NOTE: This password can be configured on the control panel of the printer. Refer to the Service Manual for more information.

3. In the Embedded Web Server, select **Information** and then **Firmware update > Manual firmware update**.



4. Browse to select the downloaded .fmw file and click **I Agree**.
5. The printer will reboot itself when the firmware upgrade is completed.

NOTE: This firmware release contains a downgrade restriction and only can be downgraded to PLS_26_22_03.1. In case of need it will be present in HP.com

New functionalities and usability improvements

Right edge position

This new setting is accessible from **Substrate > Settings (3 dots '...') > Settings > Roll > Right edge position**



The substrate's right edge position is detected every time an automatic load is performed. If doing manual loading, the right edge is positioned in the reference line of the printer. This reference line coincides with the first rib of the platen.

The range of values is -1.5 to 1.5 cm. To move the edge to the right, insert a negative value. To move the edge to the left, insert a positive value.

Printing with no margins is possible by moving the edge to the right. The printer automatically adds a margin of 0.5 cm. Therefore, to print without margins the user must place a right edge position value of -0.5 cm or lower when the substrate is loaded automatically.

NOTE: HP recommends decreasing the value to -7 mm (-0.7 cm) to avoid having blank marks on the edge due to expected 1 mm skew tolerance.

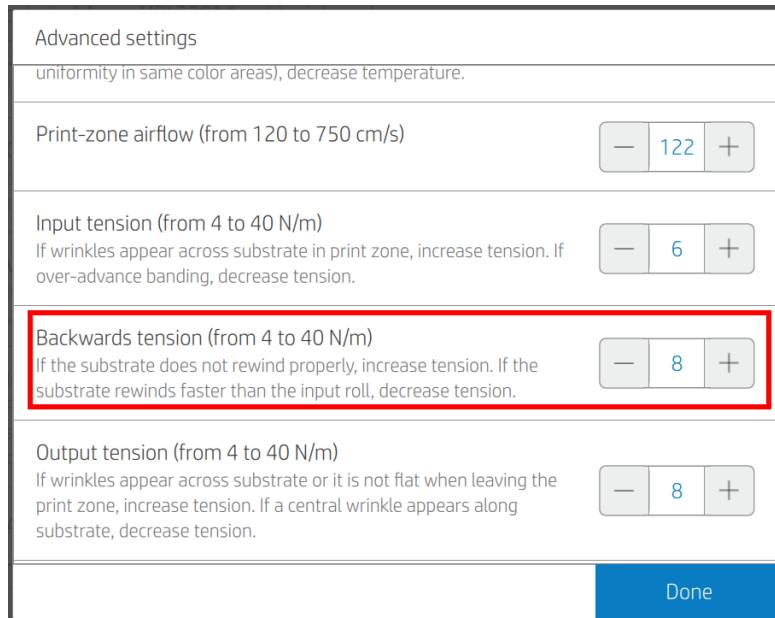
If the substrate is loaded manually, the user must measure the distance from the image to the reference line and insert this value in negative.

IMPORTANT: Printing with no margins is only recommended for small content with low ink amounts. The platen needs to be cleaned afterwards.

The value of the right edge position is kept between substrate loadings. To reset it, set it back to 0. The value will remain the same until it is changed.

Backwards input tension

Tension applied by the input roll when the substrate moves backwards. It can be accessed from **Control Panel > Substrate Library > My substrate > Edit print mode > Advanced settings > Backwards tension**



The screenshot shows a 'Advanced settings' dialog box with several adjustable parameters. The 'Backwards tension' setting is highlighted with a red rectangular border. The settings are as follows:

Setting	Value
Print-zone airflow (from 120 to 750 cm/s)	122
Input tension (from 4 to 40 N/m) If wrinkles appear across substrate in print zone, increase tension. If over-advance banding, decrease tension.	6
Backwards tension (from 4 to 40 N/m) If the substrate does not rewind properly, increase tension. If the substrate rewinds faster than the input roll, decrease tension.	8
Output tension (from 4 to 40 N/m) If wrinkles appear across substrate or it is not flat when leaving the print zone, increase tension. If a central wrinkle appears along substrate, decrease tension.	8

A blue 'Done' button is located at the bottom right of the dialog box.

Default range:

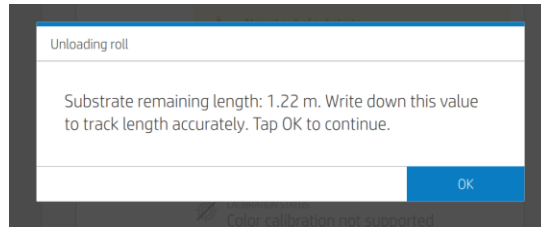
- 8 N/m for SAV and other substrate families
- 30 N/m for wallpaper

Increase, in steps of 5 N/m up to 30N/m if the substrate is slipping or does not advance at **all when doing backward movements.**

Decrease, in steps of 5N/m down to 4 N/m, when the input roll advances too much when moving the substrate backwards. This happens most often with films.

Remaining substrate pop-up message

A pop-up message will be displayed when unloading a substrate telling you the remaining length of the substrate. The message will disappear when you click **OK**.



Substrate rewinds before you print after loading specific workflows

NOTE: Be aware that previous firmware MR3 (PLS_31_22_14.5) has been removed from AFU server on June 16, 2022. This was because some customers found abnormal printing behavior.

This firmware error occurs when the OMAS+ sensor does not correctly detect the leading edge during the media loading process.

Two different cases have been detected:

- The printer will rewind the substrate to the pinch module area before printing a job. The substrate will detach from the take-up reel if it was previously attached.
- The printer will retract the substrate and start printing on top of the pervious print out.

To avoid this issue, reload the substrate so that the OMAS + sensor detects the leading edge. The front panel will not prompt you to manually move the media to the cutting line if the OMAS+ sensor correctly detects the leading edge during the media loading process.

Embedded Web Server not supported by the browser

With the previous firmware version there is a bug when accessing the Embedded Web Server (EWS) due to an update of the web browser.

 We are very sorry. This web browser is not supported.

- The web browser you are using is not supported. You must update your browser to a newer version or use a different browser.
- See the user guide for more information on supported browser versions.

[Go Back](#)

The new version of the firmware corrects this bug, so after the firmware upgrade, the web browser can also be updated.

Printhead alignment improvements

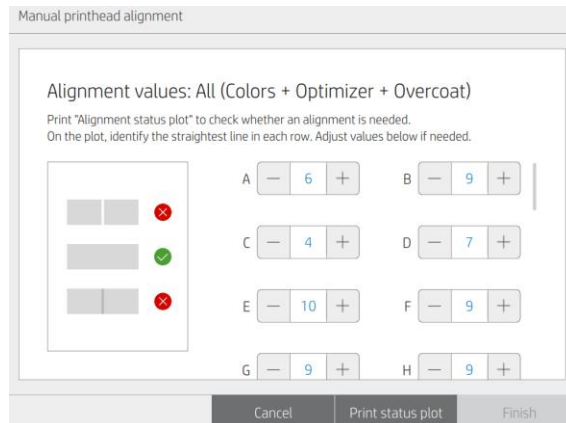
- **Automatic printhead alignment**

New APA plot, that improve the automatic printhead alignment, which is now the recommended option.



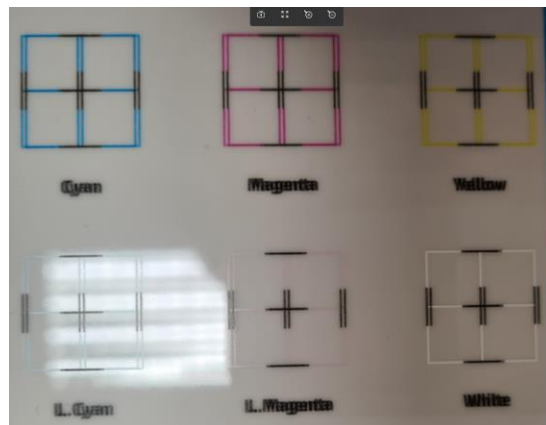
- **Manual printhead alignment**

You can now change the calibration values of the Manual Printhead Alignment calibration without printing the calibration plot.



- **Improved alignment after calibrating white**

With the previous firmware the printer lost color alignment after performing the white manual alignment, the new firmware fixes this issue.



- Improved media edge holder user experience. New control panel workflow.
- Skew performance in SAV: increase Input tension to 15Nm in Generic SAV.
- New screen to warn customers to clean Fluidic Interconnect towers and needles.
- General bug fixes and improvements.