



# New firmware release

## PLS\_42\_23\_24.1

For the HP Latex 700 / 800 printer series

June 2023

Related links:  
[www.hp.com/go/latex/](http://www.hp.com/go/latex/)

A new firmware version PLS\_42\_23\_24.1 is now available to download and install for the HP Latex 700 and 800 printer series. HP strongly recommends installing this new firmware version on all units, as it includes significant improvements. Please be aware that this replaces the previous version PLS\_40\_22\_52.1.

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

## How to install the firmware

Download the firmware file from the product support page:

- <https://support.hp.com/us-en/drivers/selfservice/hp-latex-700-w-printer/38347881>

On the download website you can find four different files to download. This is because the FW file is compressed and divided into four parts (001, 002, 003 and 004). It is necessary to download all four parts.

A limitation has been detected using Internet Explorer when downloading the partition files of the zip.

The recommendation is to use Chrome to access the website, then download each file.

Click with the central mouse button and the download will start automatically in the download bar. Alternatively, right click on the file and select **Open link in new tab**, like in the image below.

▼ HP Latex 700/700 W and HP Latex 800/800 W Printers Firmware		PLS_42_23_24.1	Jun 21, 2023
<b>Multi-part download</b>			
PLS_42_23_24.1.rfu.7z.001	1000.0 MB	Download	
PLS_42_23_24.1.rfu.7z.002	1000.0 MB	Download	
PLS_42_23_24.1.rfu.7z.003	1000.0 MB	Download	
PLS_42_23_24.1.rfu.7z.004	36.9 MB	Download	
Type:	Firmware	<b>Description:</b>	
Version:	PLS_42_23_24.1	This download includes the latest firmware file for the HP Latex 700/700 W and HP Latex 800/800 W Printers	
Operating systems:	Windows 10 (64-bit)		
Release date:	Jun 21, 2023	<b>Fix and enhancements:</b>	
		<ul style="list-style-type: none"> <li>Media path improvements.</li> <li>New stretchable textiles generic profile.</li> <li>Fix for the Color calibration obsolete bug.</li> <li>New nozzle health plot.</li> <li>Fix in media load process to avoid media advance sensor...</li> </ul>	

**NOTE:** Since Windows Zip does not support split files, it will be necessary to use a third-party zip software like WinRAR or 7.zip.

Once all zip files are downloaded, right click the file **PLS\_42\_23\_24.1.rfu.7z.001** and unzip it with the third-party zip software. This will produce the file **PLS\_42\_23\_24.1.rfu.fmw**.

## Upgrade instructions

**IMPORTANT:** The jobs on the front 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 on the front 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.  
(MD5: e395f47daebcdfbc01a0b9168eec4ebd)

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

2. Rename the decompressed file to *"PLS\_42\_23\_24.1.fmw"*
3. Connect the USB flash drive to the USB connector at rear of the printer.
4. Follow the onscreen instructions on the front panel.

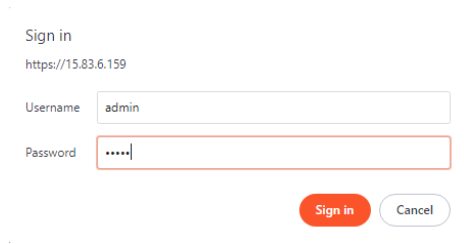
Specifications of the USB flash drive:

- 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 on a web browser.

**NOTE:** You might be required to enter user and password details. Type **admin** in each field and tap **Login**.



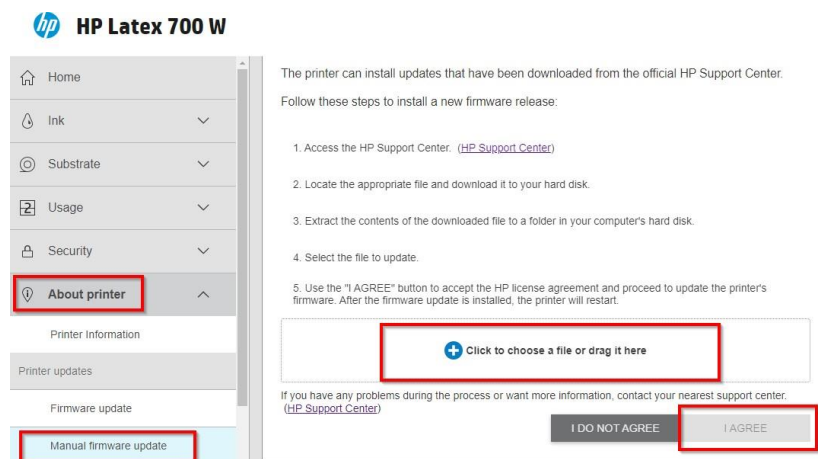
Sign in  
https://15.83.6.159

Username

Password

**NOTE:** This password can be configured on the front 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**.



**hp HP Latex 700 W**

Home  
Ink  
Substrate  
Usage  
Security  
**About printer**

Printer Information  
Printer updates  
Firmware update  
**Manual firmware update**

The printer can install updates that have been downloaded from the official HP Support Center. Follow these steps to install a new firmware release:

1. Access the HP Support Center. ([HP Support Center](#))
2. Locate the appropriate file and download it to your hard disk.
3. Extract the contents of the downloaded file to a folder in your computer's hard disk.
4. Select the file to update.
5. Use the "I AGREE" button to accept the HP license agreement and proceed to update the printer's firmware. After the firmware update is installed, the printer will restart.

If you have any problems during the process or want more information, contact your nearest support center. ([HP Support Center](#))

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

## Details of fixes and enhancements

The main changes and improvements of this release are:

- Media path improvements
- New stretchable textiles generic profile
- CLC obsolete bug fixing.
- New nozzle health plot.
- Bug fixing and general improvements.

### Media path improvements

There are some improvements related with tiling application included on this firmware release. The objective is reducing the pulls of material from the TUR, that could cause tile mismatching.

Another improvement included on this firmware release is about tension and release (TUR mode), which is made in a smoother way not pulling too much as in previous FW versions.

### New stretchable textile generic profile.

With this new generic profile included with this firmware is increased front tension and back tension for thin/stretchable textiles, also avoiding thin textile to get wrapped around roller or backwards wrinkles on thin paper, at:

- Startup
- Cooldown
- Begin of plot
- Wake up servicing.

When printing bidirectional, the wrinkle will make the drops printed in forward not match with the drops shot in reverse, creating vertical bands of blurriness. Printing in unidirectional way, there is no mismatch, and the effect disappears.

### CLC obsolete issue bug fixing.

This FW fixes the issue where under certain circumstances the CLC appears as obsolete even just after performing the color calibration.

The main cause of the issue is the way the firmware manages to create/remove internal file that was used by the system to trigger if a color calibration is obsolete or not. Now running with this latest firmware version, a CLC obsolete situation should be triggered because a new calibration needs to be done with a reason behind, such as printhead replacement, because too much time since the last one (because of PH usage or time) etc.

## New Nozzle health plot.

In this FW, the image to be printed as nozzle health plot is changed to avoid misunderstandings.

The main changes are:

- The warmups printed in the media will not be longer there, it will be spitted on the maintenance cartridge.
- The firing frequency of the spit bars just after printing the nozzle map is increased to minimize print quality issues that could be misunderstood while evaluating the plot.

Find below picture with the latest changes:

