



Firmware update for peristaltic pump 12 VDC Advanced

Manual

Updating the firmware of the peristaltic pump 12 VDC Advanced only takes a few minutes.
The newest firmware for the peristaltic pump 12 VDC Advanced can be downloaded from the website.

☞ **Please note: before you perform the update, please read the included remarks (see Appendix 1) concerning the release for any additional instructions that may apply.**

Before updating:

Please ensure that the pump is fully charged, so that it will not power off during the update.

In order to update the peristaltic pump, you need the following accessories:

1. Computer or laptop
2. USB stick
3. The new firmware files
4. Firmware update USB cable for peristaltic pump (art. no. 123504) (for the 1235SB Peristaltic pump Advanced)
Or
Firmware update USB cable for peristaltic pump (art. no. D0036672) (for the D0036724 Peristaltic Pump ROYAL)



Figure 1: Firmware update USB cable for peristaltic pump

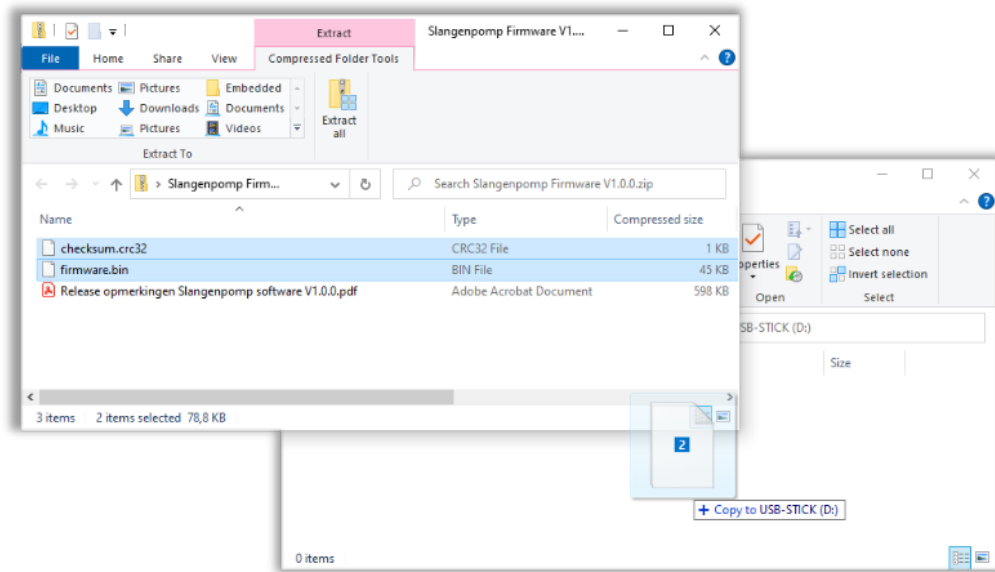


Figure 2: Firmware update USB cable for peristaltic pump

Transferring the new software to the USB stick:

Open the .zip file containing the new software.

Connect the USB stick to the computer and drag the firmware.bin and checksum.crc32 files from the .zip file to the USB stick.



Remove the USB stick from the computer.

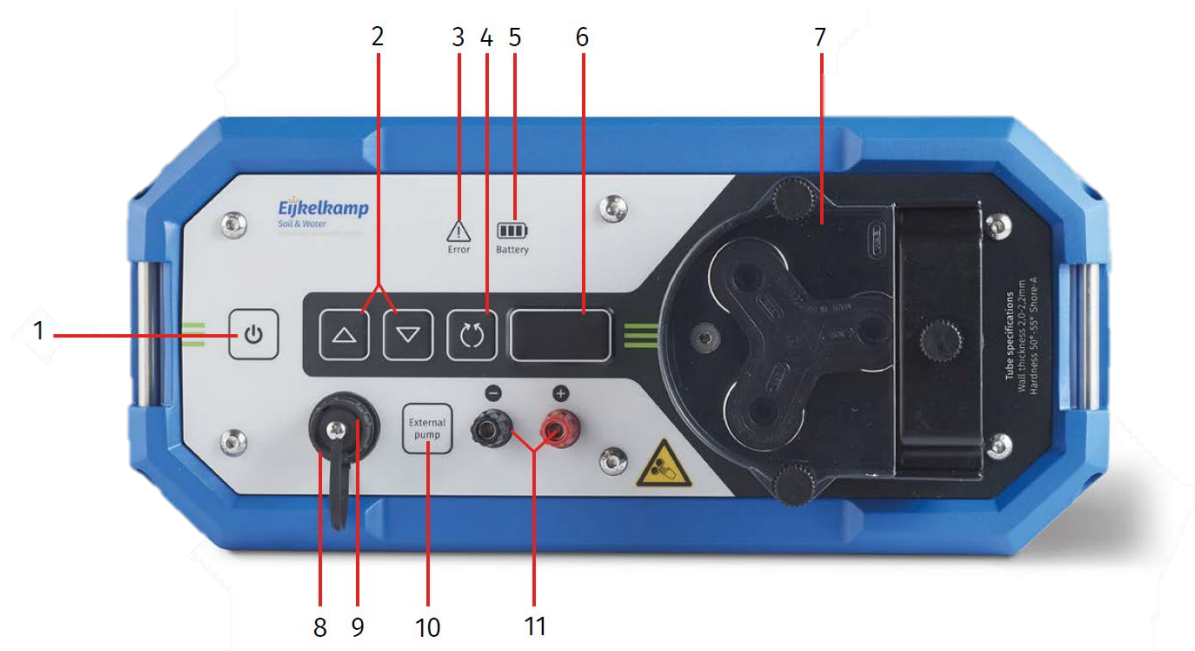


Figure 3: Peristaltic pump buttons and indicators

Perform the following steps to update the firmware of the peristaltic pump:

1. Power on the pump with the on/off button (1).
2. Press in the rotation button (4) and the external pump button (10) at the same time and hold them pressed until the pump powers off.
3. The pump will power off and then the battery indicator (5) will turn blue.
4. Now, connect the firmware update cable to the peristaltic pump connector (8).
5. Insert the USB stick into the firmware update cable.
6. The battery indicator (5) will briefly turn green and the pump will reboot.
7. The software has now been loaded. You can now remove the USB stick and the firmware update cable.

Troubleshooting:

If you cannot update the firmware, then please try one of the following solutions:

- Problem: The battery indicator briefly turns green, then the error indicator lights up. The pump does not restart.
 - The update failed. Restart the pump by pressing the on/off button (1).
 - Check whether you copied the correct update files onto the USB stick and try again.
 - Ensure that the firmware update cable is properly connected to the peristaltic pump and that the USB stick is properly inserted.
 - Use a different USB stick.

Appendix 1: Notes on release of peristaltic pump firmware V2.4.7

This document contains the necessary information concerning the update of the peristaltic pump firmware to V2.0.0. The information on how to update the peristaltic pump can be found in the aforementioned document titled 'Manual on firmware update for peristaltic pump'.

What you need to know about this update:

This update This update contains the following additions:

- Improved the software for the charging of the battery.

Important!

Are you coming from software version Alpha?

After updating the peristaltic pump firmware version "Alpha", the battery indicator is not yet calibrated.

You can calibrate the battery indicator by fully charging the pump. Calibration is complete when the pump has finished charging.

Revision history	
Version	Date of publishing:
Alpha	03/07/2020
V1.0.0	08/01/2021
V1.0.2	03/03/2021
V1.2.0	14-06-2021
V1.2.1	23-09-2021
V2.0.0	17-03-2023
V2.4.7	29-06-2026