

Last update: May 05.2023

Please note:

- This firmware version is **not suitable** for **OTT Pluvio2 200 (RH)** and **OTT Pluvio2 400 (RH)** (former generation of devices)!
- Use only the OTT Pluvio2 operating software version **1.08.1** or higher for the update!
- The update is identical for all OTT Pluvio2 L versions (OTT Pluvio2 L 200, OTT Pluvio2 L 200 RH, OTT Pluvio2 L 400 and OTT Pluvio2 L 400 RH).
- After attaching the USB interface, the OTT Pluvio2 L interrupts communication on the other interfaces!
- It is mandatory NOT to interrupt the "OTT Pluvio2 L <-> PC"-connection during the update!

How to install the update:

- If not done so far: install USB interface driver and OTT Pluvio2 operating program on a PC (recommended: notebook).
(For more information see chapter 7.6, section "Preparation" of the OTT Pluvio2 L manual.)
- Download the file "7003030293_Vxxx_Pluvio2_L_S.bin" to the PC.

The actual update can be carried out on site on an installed OTT Pluvio2 L:

- Unscrew the three knurled screws on the pipe housing.
- Remove pipe housing.
- Remove cover of USB interface and connect the OTT Pluvio2 L to the PC with a USB cable; see OTT Pluvio2 L manual, fig. 21.
- Start operating program.
- Click on "Connect" -> the operating software establishes a connection to the OTT Pluvio2 L and calls various status information
- Choose "Firmware update" (-> operating software shows the currently installed firmware version)
- Click on "Start the firmware update"
- Confirm warning with "Yes" -> a window opens where you can choose the new firmware (file "7003030293_Vxxx_Pluvio2_L_S.bin").
- Choose the downloaded file and click on "Open" -> the operating program transfers the firmware into the OTT Pluvio2 L.
(After the update OTT Pluvio2 L will start the new firmware and resumes automatic operation.)
- Quit operating program.
- Remove USB cable.
- Replace the cover for the USB interface.
- Empty the collecting bucket if necessary.
- Align and replace the pipe housing.
- Tighten the three knurled screws again.

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Release Notes

Please note: This firmware version is not suitable for OTT Pluvio² (former generation of devices)!

V 1.06.0 (2023-05-30)

- "unit for temperature" (°C / °F) has been added to the reply to the ASCII command "I".
- Modbus protocol (RTU) has been integrated.
- Advanced SDI-12 commands to configure the Modbus protocol have been added.

V 1.05.0 (2022-07-27)

- Improved system stability to avoid unnecessary system resets
- Improved SDI-12 communication.
- DWD protocol timestamp bugfix.
- Remove write protection from SDI-12 commands listed in manual
- Various minor bugfixes and firmware optimizations
- Compatible to new Pluvio processor generation (k2, k4 mainboards) that are available since July 2022.

V 1.04.0 (2021-06-24)

- RS-485 command line mode (ASCII text retrieval): Added field separator when outputting measured values with a checksum (CRC) (there is now a separator character in front of the checksum; e.g. ";").
- SDI-12-communication revised (version 1.04.0 prevents the occurrence of temporary SDI-12 data gaps).
- Stability of the measured values "Accu RT-NRT" improved.
- For devices with a production date before quarter 4,2019: stability of temperature compensation improved
- Various minor bugfixes and firmware optimizations

V 1.03.0 (2018-05-24)

- Measured value processing optimized to prevent the registration of erroneous precipitation
- The "Accu total NRT" value is now automatically reset for devices for the DWD at 1000 mm/100 inch (measuring range overflow).
- For all other devices, this value is still 500 mm/50 inch.

V 1.02.2 (2017-05-18)

- Common firmware for precipitation sensors OTT Pluvio² L and OTT Pluvio² S
- Improved temperature compensation up to 10 K/h
- Automatic detection for maintenance activities "Emptying the collecting bucket" and "Adding anti-freeze agent for winter operation" has been optimized
- Impulse factors 0.5 mm and 1.0 mm have been added (now 0.05 mm · 0.1 mm · 0.2 mm · 0.5 mm · 1.0 mm selectable)
- Various minor bugfixes and firmware optimizations

V 1.00.5 ... V 1.02.1

- Internal versions, not published

V 1.00.4 (2016-04-14)

- Initial version