GUIDELINES FOR FIRMWARE UPLOADING

You need: USB cable, Boot jumper, Windows PC

What does the Windows Pc need?

USB driver must be installed on the PC. USB driver can be downloaded at http://metos.at/firmware-download/ (use your Fieldclimate credentials to login). For all the other operative systems please download it at https://www.silabs.com.
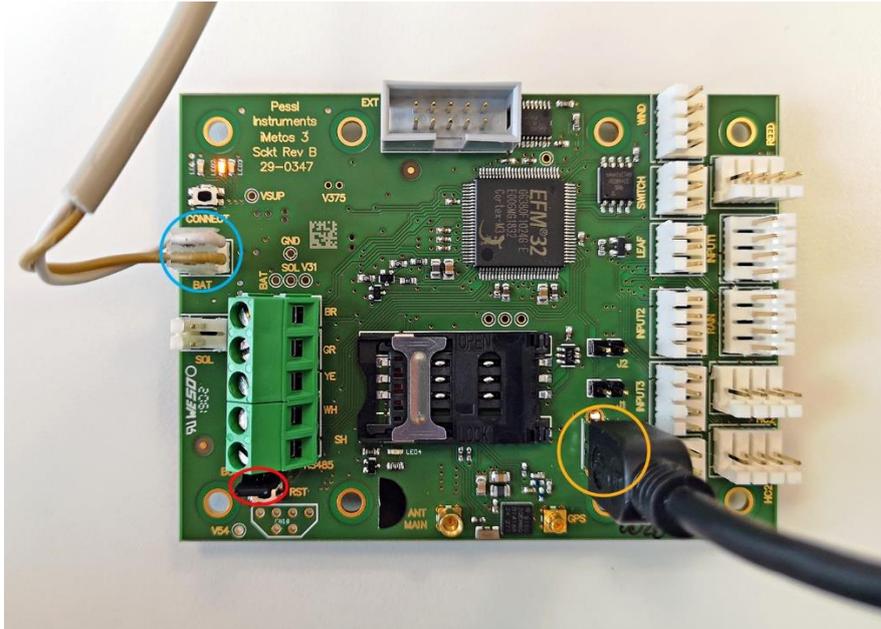
Install the tool **PI Firmware uploader** (please find attached the file *PI-FW-uploader-1.120* or download it at http://metos.at/firmware-download/)

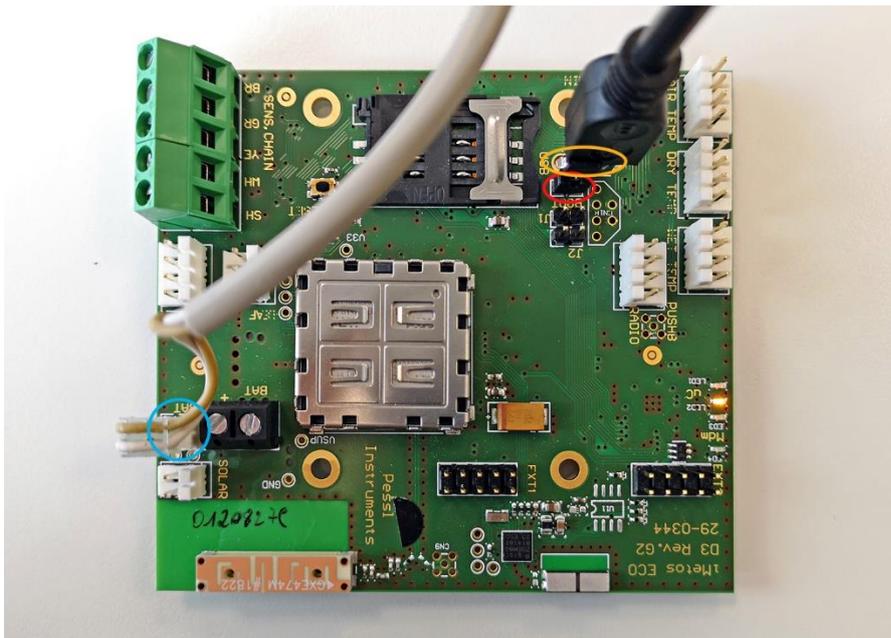To manually upload the firmware on the station, please follow the given next steps:

1. Unplug the battery and solar panel.

2. Plug in the USB cable and set the Boot jumper (red circle). Make sure that there are not other USB cables connected to your PC.
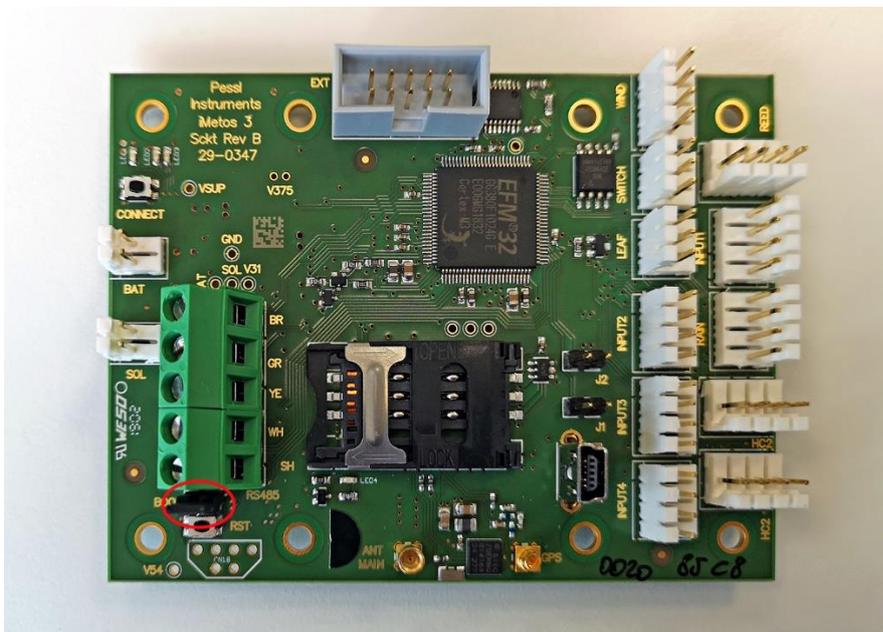
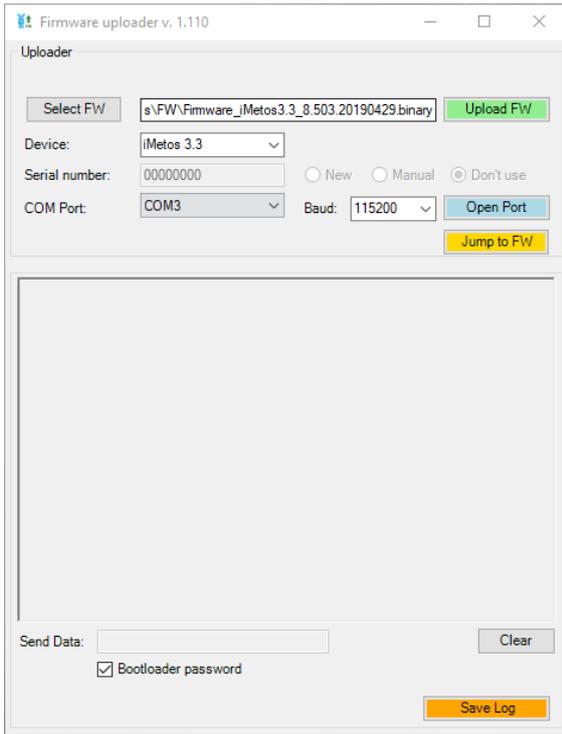3. Plug in the battery (blue circle).
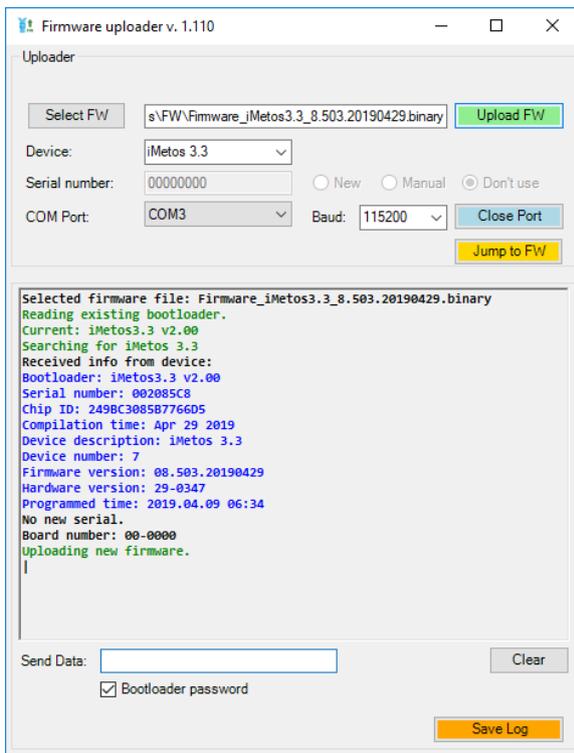
iMETOS 3.3 motherboard

iMETOS ECO D3 motherboard

4. Check that the station is in boot mode and install the tool **PI Firmware uploader** (please find attached the file *PI-FW-uploader-1.110* or download it at http://metos.at/firmware-download/). Yellow LED in the middle is on (see figure below). If the station is not in boot mode, press *Reset*

button on the board.

6. Open the program Firmware uploader:

(1) Click "**Select FW**" and select the correct firmware binary file *Firmware_iMetos3.3_8.503.20190429.binary* (for iMETOS 3.3) and *Firmware_iMetosEcoD3_1.503.20190429.binary* (for ECO D3).

(2) On "**Device**" select the correct device.

(3) Select the correct **COM Port**. If it is the only one device connected to your PC, COM port is detected automatically.

(4) Click "Open Port"

(5) Click "Upload FW".


```
Selected firmware file: Firmware_iMetos3.3_8.503.20190429.binary
Reading existing bootloader.
Current: iMetos3.3 v2.00
Searching for iMetos 3.3
Received info from device:
Bootloader: iMetos3.3 v2.00
Serial number: 002085C8
Chip ID: 249BC3085B7766D5
Compilation time: Apr 29 2019
Device description: iMetos 3.3
Device number: 7
Firmware version: 08.503.20190429
Hardware version: 29-0347
Programmed time: 2019.04.09 06:34
No new serial.
Board number: 00-0000
Uploading new firmware.
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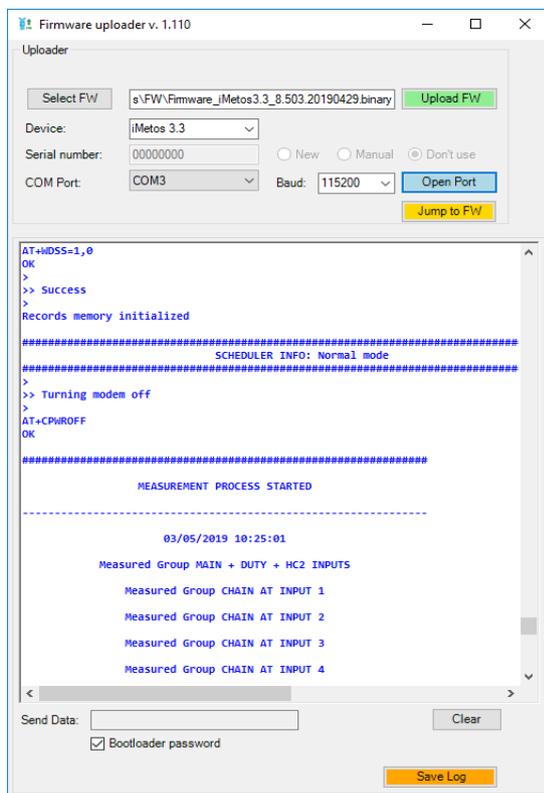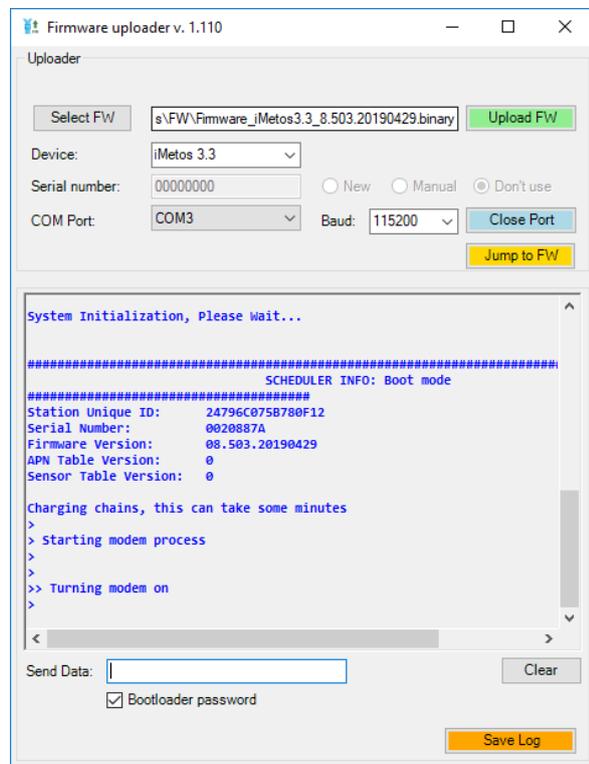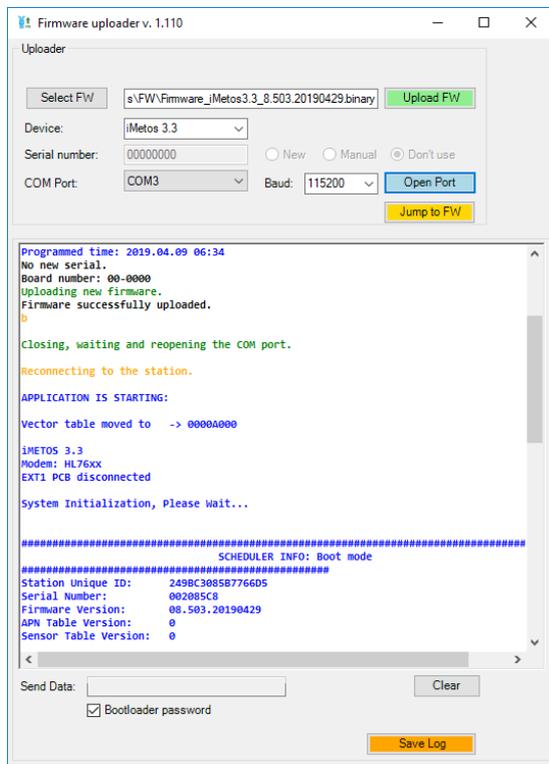
(5) After "Firmware successfully uploaded", the board automatically restarts and starts communication with the web. Wait until the first communication ends "**>> Success**".

As soon as you see the message "Firmware successfully uploaded", you're done.

Note: Leave the battery connected for 24 hours. Connection with the server will be established after a while.
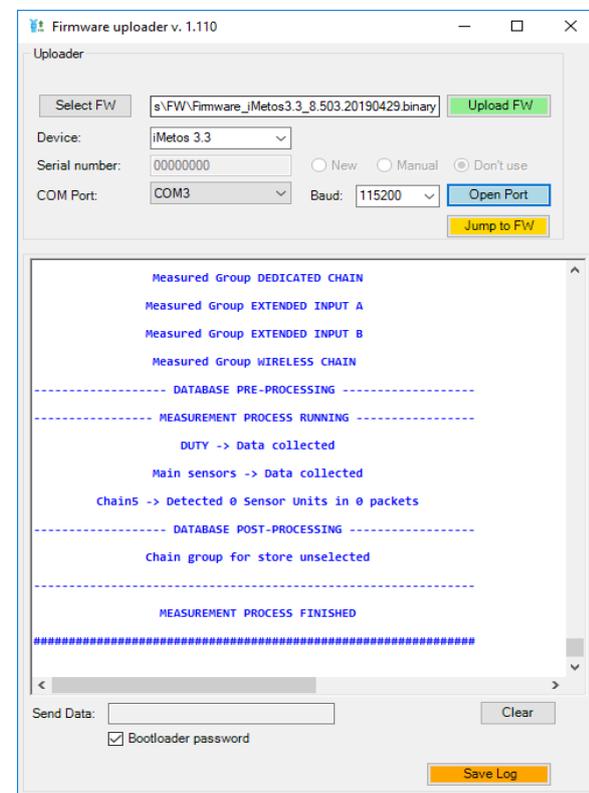
(6) To leave the boot menu/boot mode click "Close Port", remove the Boot jumper, remove the USB cable and press reset on the board.