

UPGRADING the ScanLabs Smart BMS Data Extractor dongle firmware

NOTE: Follow **EXACTLY** the sequence : STEP0 -> STEP 1 -> STEP 2

STEP 0) ONLY NEEDED if your CURRENT Fw release is <= 3.2.2

Disable MQTT service and MODBUS service – on both cases press on Submit

The screenshot shows the configuration interface for the ScanLabs Smart BMS Data Extractor. On the left, under 'MQTT Server' (CONNECTED), various MQTT parameters are listed: Server, Port (1883), TLS, User Name (mqtt1), Password, and Client ID (Paolo1). Below this, 'Enable MQTT' is checked with a red arrow pointing to it. In the center, there's a 'PUB' section with checkboxes for Flat1, Json1, and Json2, and a Publish Refresh value of 30. To the right, the 'Status' and 'Battery' tabs are visible. Under 'Modbus TCP', 'MODBUS TCP:' and 'SWAP FLOAT:' are checked, with another red arrow pointing to 'SWAP FLOAT:'. A 'Submit' button is present. At the bottom, there are 'BACK to CONFIG' and 'MODBUSTCP MANUAL' buttons.

ONLY after MQTT and MODBUS have been disable move to STEP1.

STEP 1) file needed : **SolarEnergyECUMulti-NAME-X.Y.Z** (This is the main FW Image)

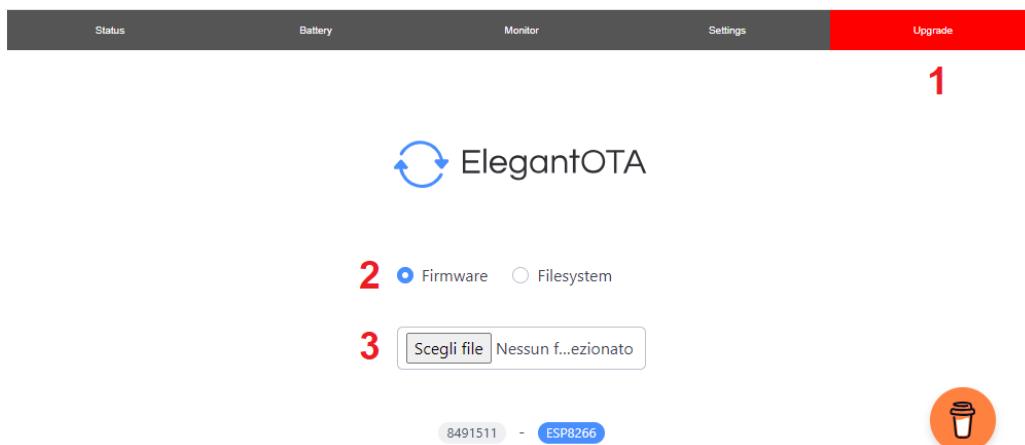
Upgrade this always as first.

Depending on your BMS model you have to select the right binary – NAME = DALY or JK .

If you have a NodeMCU HW with OLED display – use the binary with “OLED”

Go to "Upgrade" and select the file "SolarEnergyECUMulti-NAME-X.Y.Z"

a reboot is automatically issued at the end of the FW upgrade procedure



STEP 2) file needed : **web-X.Y.Z.all** (are all the updated web pages)

Upgrade with this file always AFTER STEP 1

Go to "Settings" -> "LOG&FILE" -> "Upload a File" and select the file "web-X.Y.Z.all"

No reboot is needed.

With this, you will upgrade the dongle to the latest webpages.

Status Battery Monitor

FILE MANAGER
80 KBytes Free

[Download all .CSV](#) [Remove all BATT files](#) [Upload a File](#) **1**

Set Date

05 | 2025 | Set Date (mm/yyyy)

File Name

batt_05_01_2025	Download	SHOW	Delete
config.txt	Download	Delete	

NOTE: Deleting config.txt will restore the accessory to factory defaults

[BACK to CONFIG](#)

UPGRADING the TASMOTA Display

If NOT explicitly stated , you don't need to re-flash the .bin image BUT only upload all the new files available on the /configuration/ folder