

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 page of the ScanLabs Smart BMS Data Extractor. On the left, the MQTT configuration is visible, with 'MQTT Server' set to 'CONNECTED' and 'Enable MQTT' checked. A red arrow points to the 'Enable MQTT' checkbox. Below it, 'Export as' is set to 'Flat1'. On the right, the 'MODBUS TCP' checkbox is checked, and a red arrow points to it. Below it, 'SWAP FLOAT' is also checked. A link 'ModBus TCP Registers' is visible. At the bottom right, there are two green buttons: 'BACK to CONFIG' and 'MODBUSTCP MANUAL'.

ONLY after MQTT and MODBUS have been disabled 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

The screenshot shows the ElegantOTA web interface. At the top, there is a navigation bar with 'Status', 'Battery', 'Monitor', 'Settings', and 'Upgrade'. The 'Upgrade' tab is highlighted in red. Below the navigation bar, there is a large red number '1'. The main content area shows the 'ElegantOTA' logo and a section for selecting the firmware. A red number '2' is next to the 'Firmware' radio button, which is selected. Below it, a red number '3' is next to the 'Scegli file' button. The 'Nessun file selezionato' text is visible. At the bottom, there is a status bar showing '8491511' and 'ESP8266'. A coffee cup icon is visible in the bottom right corner.

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