

# 04 - Remote code upload

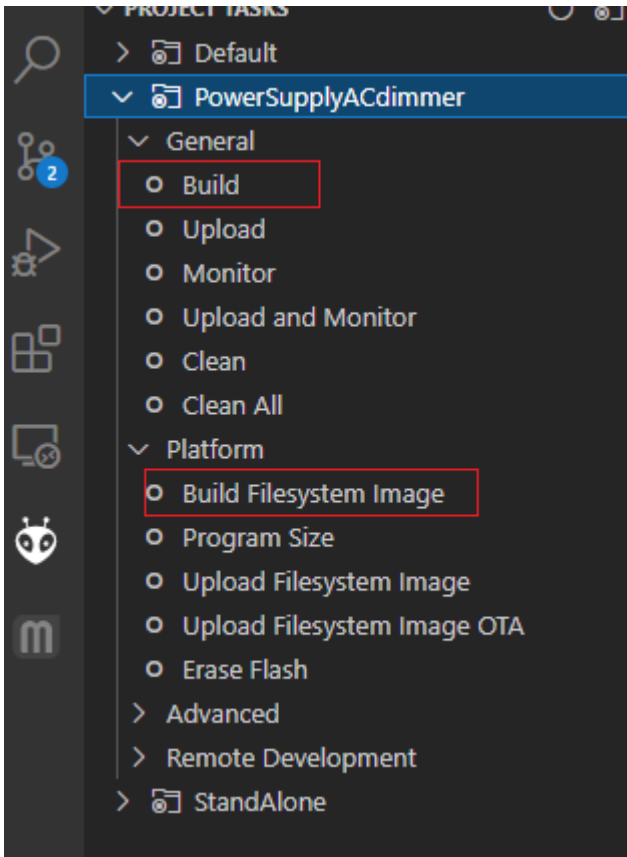
Uploading is done with Visual Studio Code (VS) using the PlatformIO tab



your code being already present on the router, you can now directly generate the binary files to be sent.

In general, only the General Build is to be done.

The Build Filesystem Image is only there to update the HTML pages when functionalities evolve.



once the build is done:

```

> Executing task: C:\Users\c_lyr\.platformio\penv\Scripts\platformio.exe run --environment PowerSupplyACdimmer <

Processing PowerSupplyACdimmer (platform: espressif8266; board: d1_mini; framework: arduino)
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Verbose mode can be enabled via `-v, --verbose` option
CONFIGURATION: https://docs.platformio.org/page/boards/espressif8266/d1_mini.html
PLATFORM: Espressif 8266 (3.2.0) > WeMos D1 R2 and mini
HARDWARE: ESP8266 80MHz, 80KB RAM, 4MB Flash
PACKAGES:
- framework-arduinoespressif8266 3.30002.0 (3.0.2)
- tool-esptool 1.413.0 (4.13)
- tool-esptoolpy 1.30000.201119 (3.0.0)
- toolchain-xtensa 2.100300.210717 (10.3.0)
LDF: Library Dependency Finder -> https://bit.ly/configure-pio-ldf
LDF Modes: Finder ~ chain, Compatibility ~ soft
Found 44 compatible libraries
Scanning dependencies...
Dependency Graph
|-- <ESP Async WebServer> 1.2.3
|   |-- <ESPAsyncTCP> 1.2.2
|   |-- <Hash> 1.0
|   |-- <ESP8266WiFi> 1.0
|   |-- <ArduinoJson> 6.19.3
|-- <ArduinoJson> 6.19.3
|-- <PubSubClient> 2.8.0
Building in release mode
Retrieving maximum program size .pio\build\PowerSupplyACdimmer\firmware.elf
Checking size .pio\build\PowerSupplyACdimmer\firmware.elf
Advanced Memory Usage is available via "PlatformIO Home > Project Inspect"
RAM: [===== ] 55.4% (used 45348 bytes from 81920 bytes)
Flash: [===== ] 62.1% (used 648289 bytes from 1044464 bytes)
===== [SUCCESS] Took 2.32 seconds =====

Environment      Status      Duration
-----
PowerSupplyACdimmer  SUCCESS    00:00:02.325
===== 1 succeeded in 00:00:02.325 =====

```

it shows where the firmware is.

all you have to do is connect with the internet browser on your pv router and go to the /update page



☒ Firmware ☐ Filesystem

Choisir un fichier

Aucun fichier choisi

66F23A08 - ESP32

and upload the firmware

## Case of a Filesystem update

In the case of updating the Filesystem (HTML file), it's the same procedure, you just have to take the Filesystem binary and select Filesystem.

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