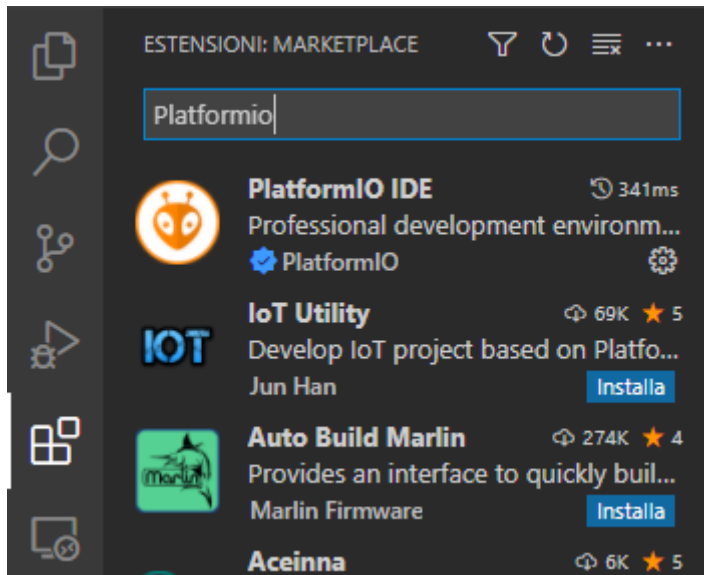# Firmware compile & upload

Before proceeding, read the entire guide first.
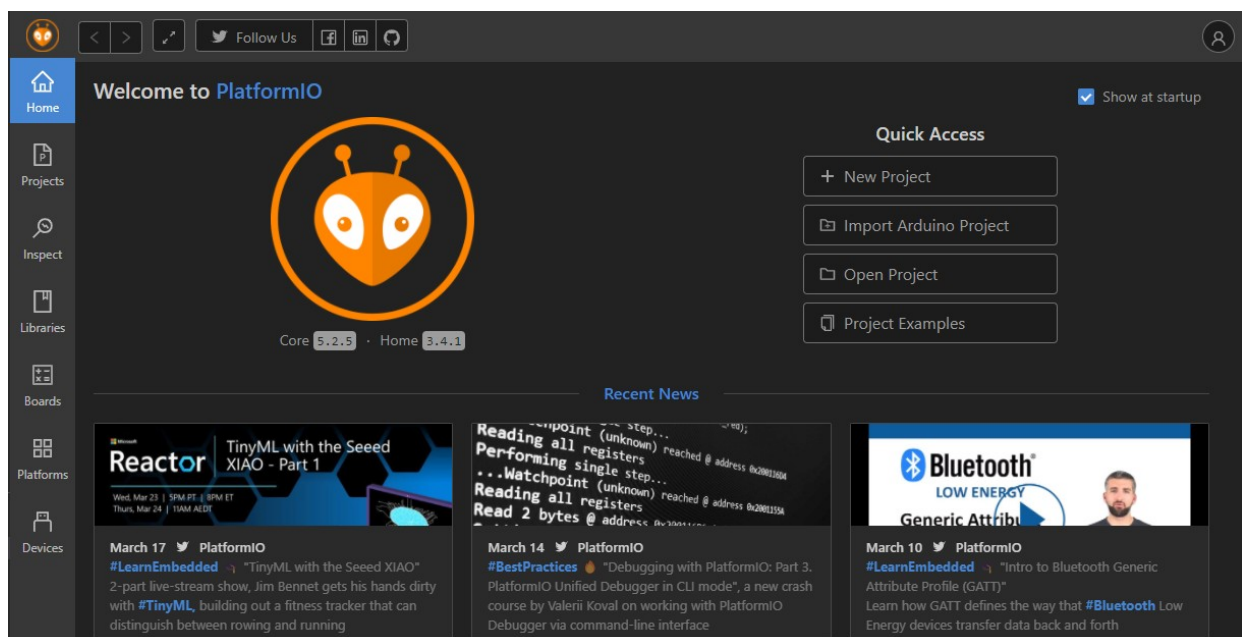
- Download VS Code: Link
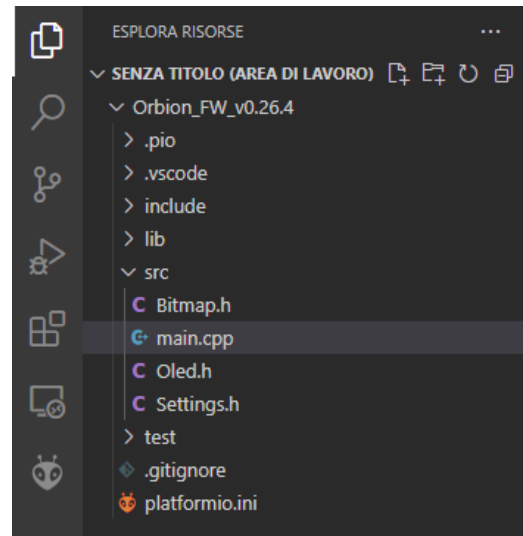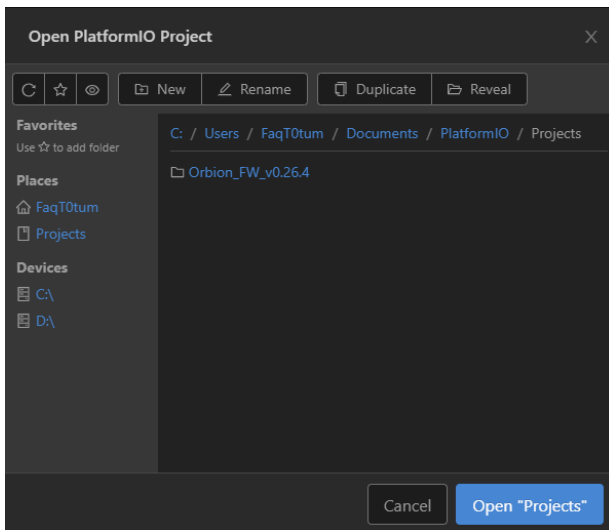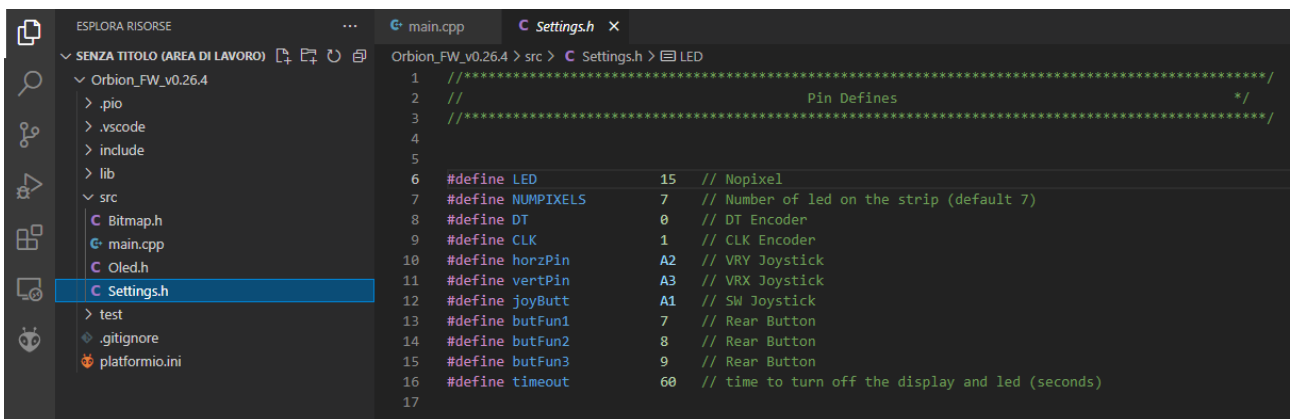- Install PlatformIO plugin in the VS Code

- Go in PlatformIO

- Open Project

- Select Firmwar Folder

- Click Open "Project"

- If you want to change the pins or the display timeout time go to */scr/Settings.h

Once everything is ok, let's proceed with uploading the firmware to Orbion

- Connect the Arduino to the PC (It is recommended to assemble the Orbion first if you don't want to drive your PC crazy)

- In the blue bar at the bottom left, you will find an arrow (->), press it and the upload will start

If you are unable to upload because it is blocked, always click on the arrow (->) in the blue bar and click the Orbion reset button twice quickly