

E-Ra WORKSHOP - TOPIC 1

HƯỚNG DẪN CÀI ĐẶT PHẦN MỀM

Cấu hình tối thiểu:

- Windows: 64bit, Windows 7 trở lên
- MacOS: Từ 10.10 trở lên

1) Cài driver:

- USB CP210x:

- Windows:

https://www.silabs.com/documents/public/software/CP210x_Windows_Drivers.zip

- MacOS:

https://www.silabs.com/documents/public/software/Mac_OSX_VCP_Driver.zip

- USB STM32: Windows: [en.stsw-link009.zip](#)

2) Arduino IDE

- Windows: <https://downloads.arduino.cc/arduino-1.8.13-windows.zip>

- MacOS:

- Chip-intel:

<https://downloads.arduino.cc/arduino-1.8.13-macosx.zip>

- Chip-apple:

https://downloads.arduino.cc/arduino-ide/arduino-ide_2.0.3_macOS_ARM64.dmg

- **Linux:** <https://downloads.arduino.cc/arduino-1.8.14-linux64.tar.xz>

- **Hướng dẫn cài đặt:**

B1: Giải nén

B2: Bấm vào khoảng trống trong folder -> Bấm chuột phải -> open Terminal

B3: sudo sh install.sh

```
sudo sh install.sh
```

- **Cài đặt thư viện pyserial (nếu thiếu)**

```
pip3 install pyserial
```

- **Chưa cấp quyền: (nếu thiếu)**

B1: Open Terminal

B2: echo \$USER ⇔ (username)

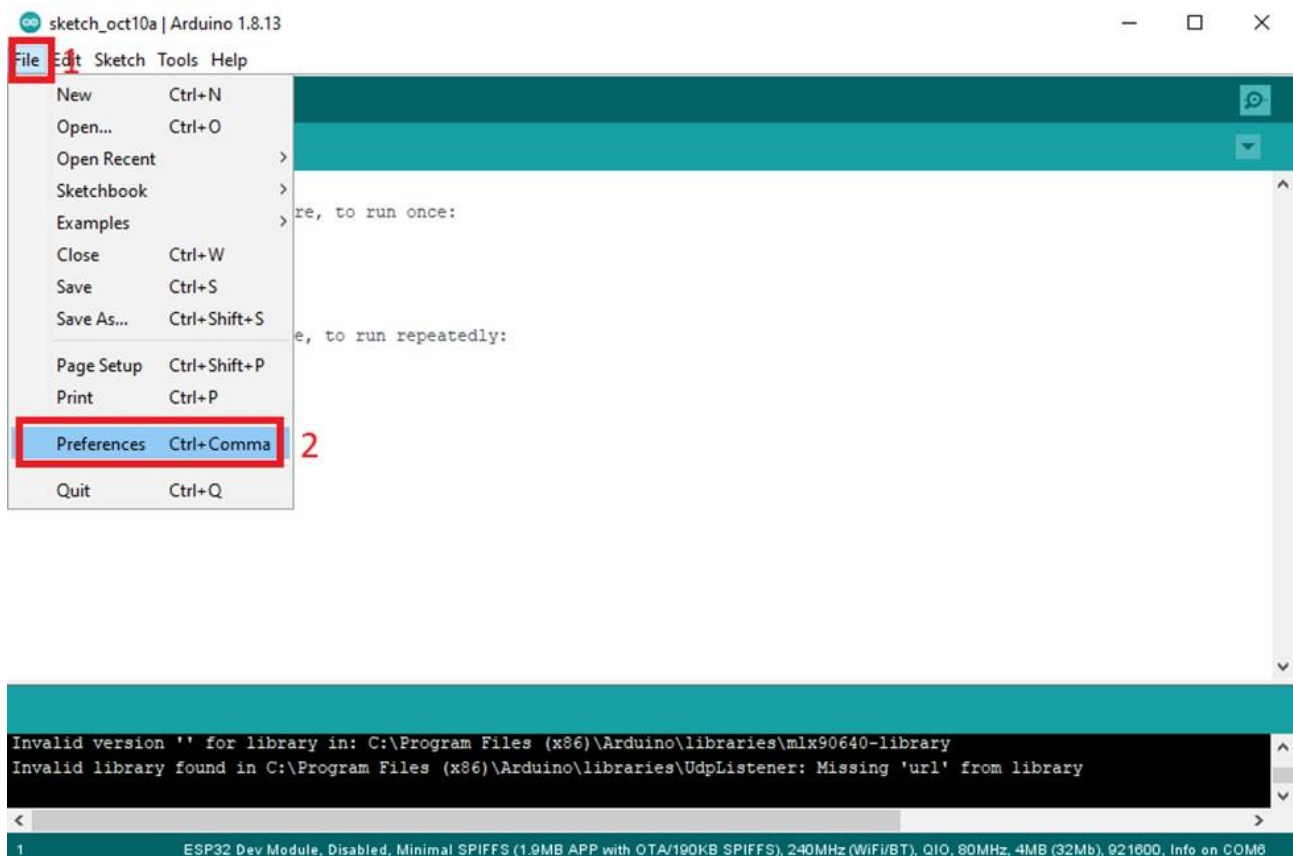
B3: cd /dev

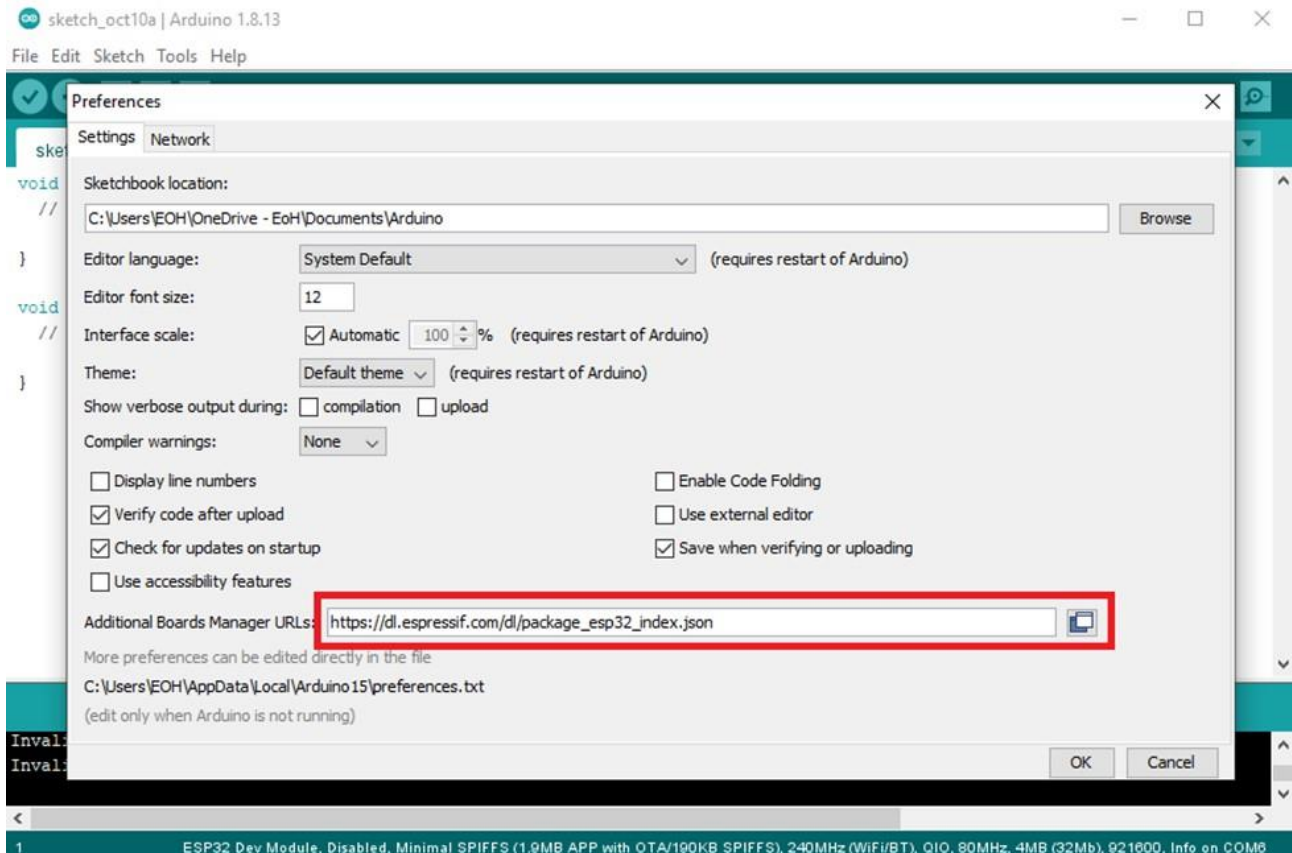
B4: sudo chown username ttyUSB0

```
echo $USER
```

```
PC1
```

3) Thêm Boards Manager ESP32 cho Arduino IDE





BOARD MANAGER URLs THAM KHẢO CHO TỪNG MODULE:

- **ESP32:**

https://github.com/espressif/arduino-esp32/raw/gh-pages/package_esp32_dev_index.json

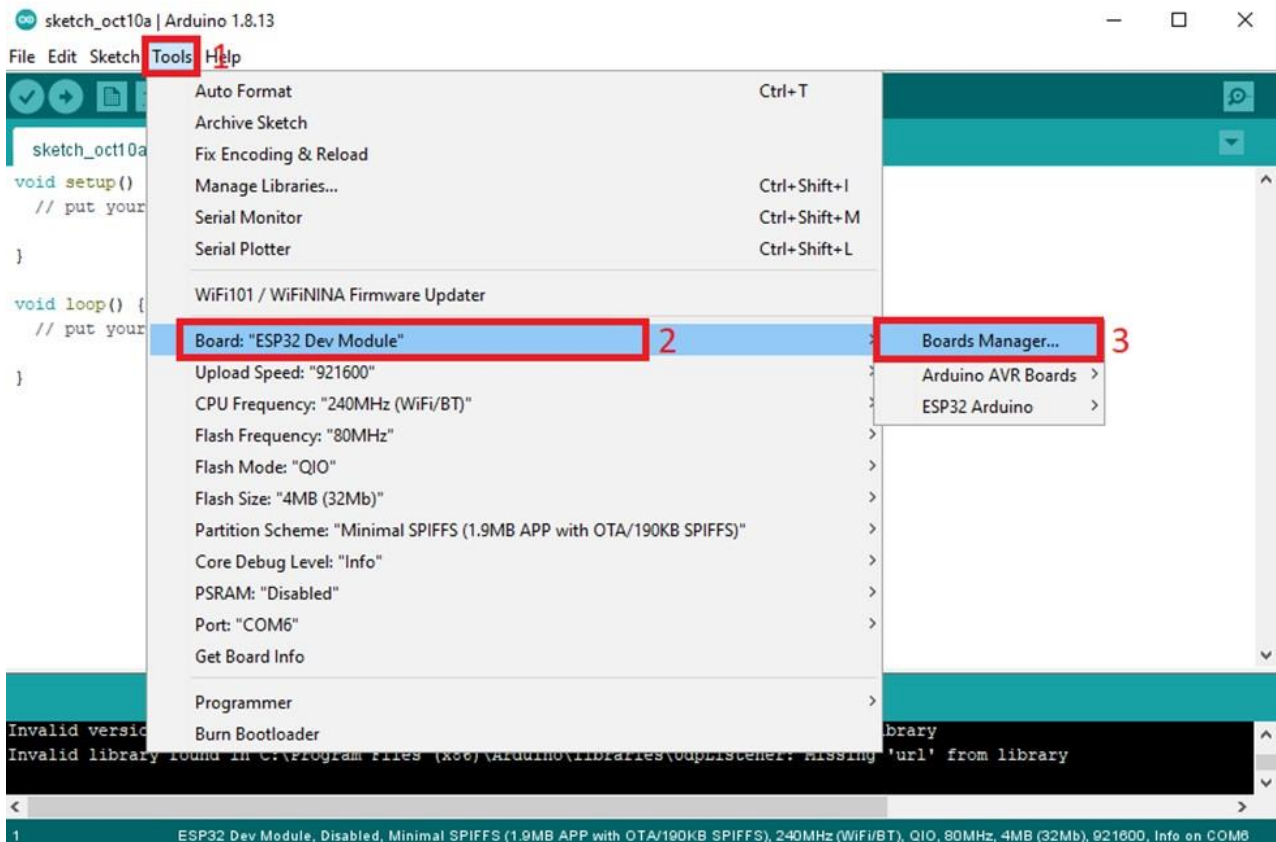
- **STM32:**

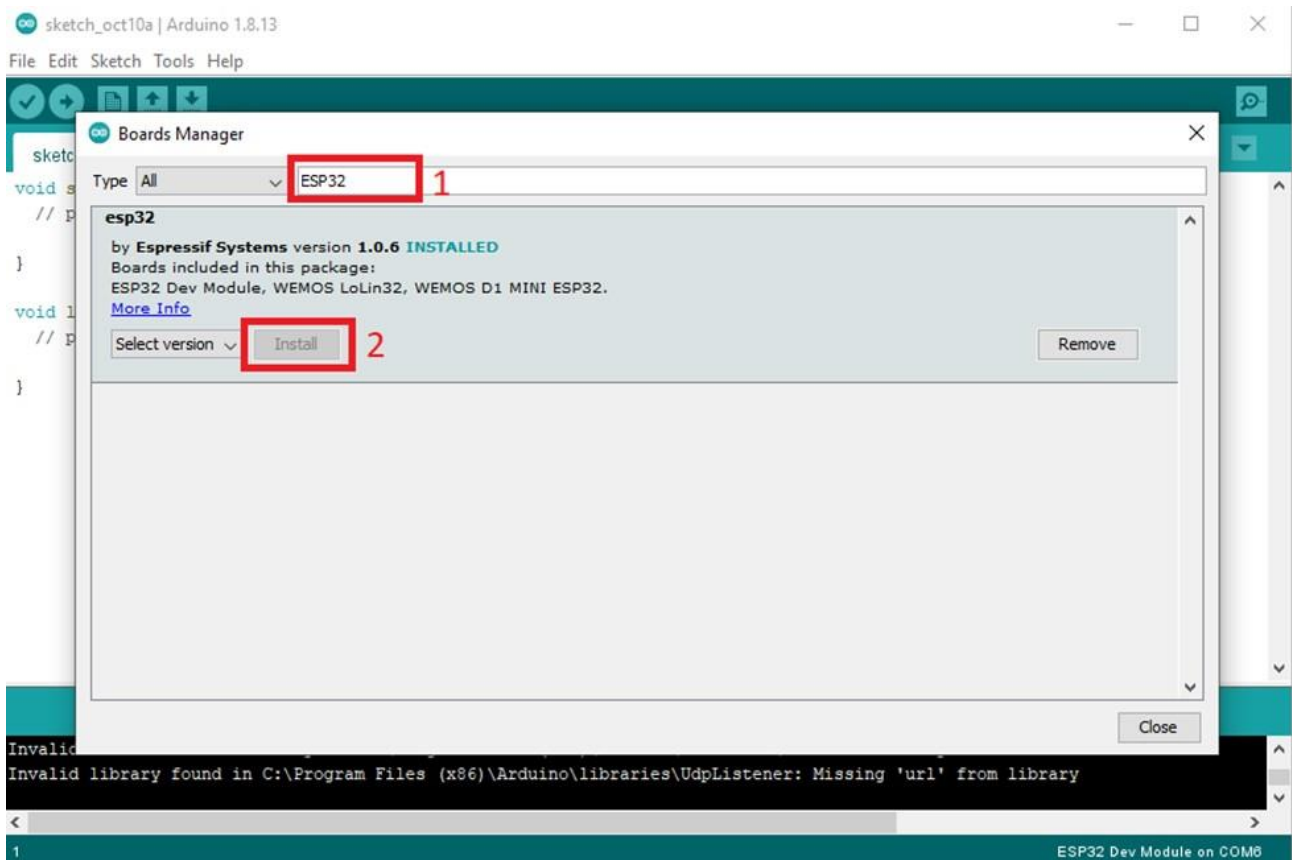
https://github.com/stm32duino/BoardManagerFiles/raw/main/package_stmicroelectronics_index.json

- **ESP8266:**

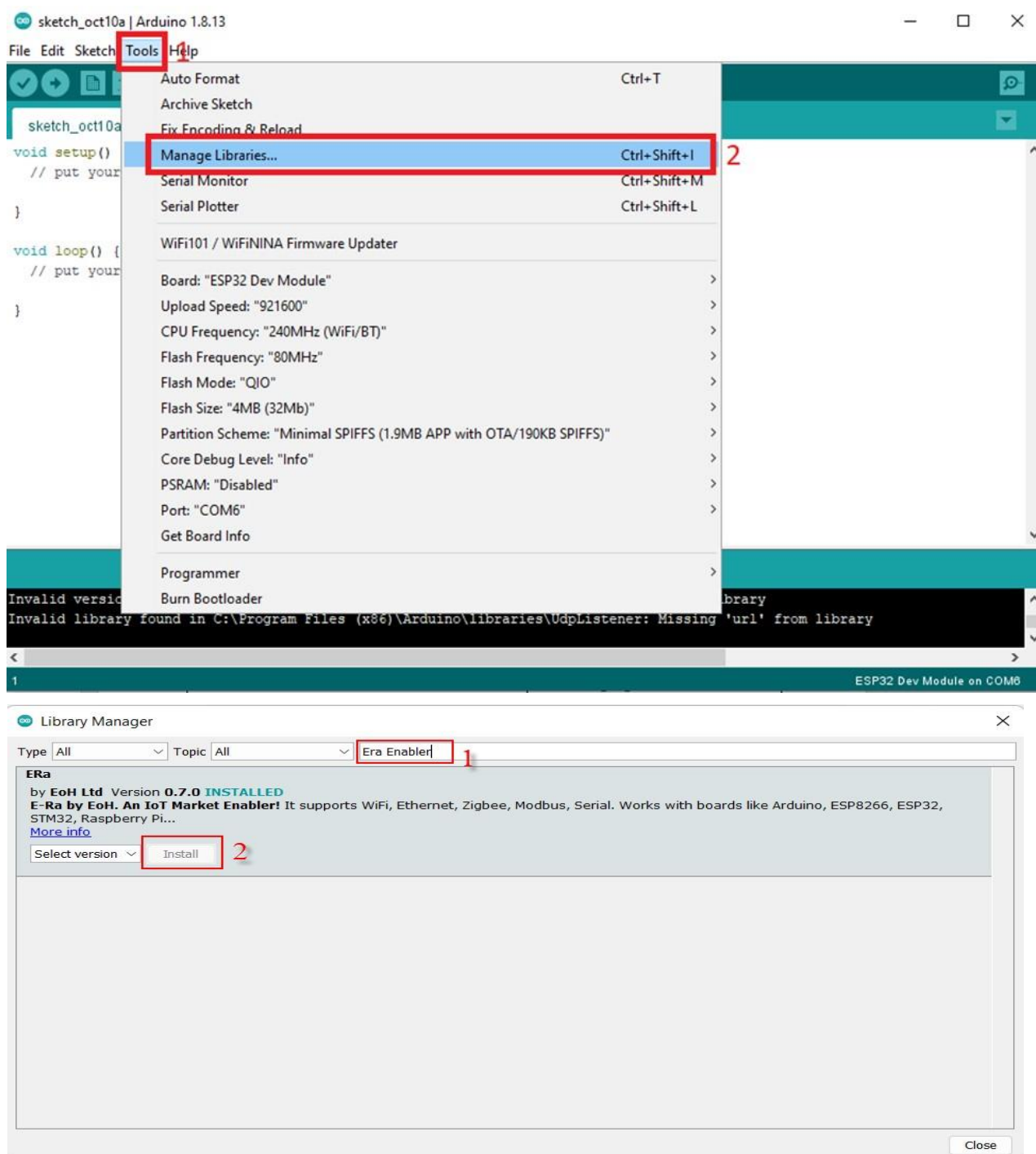
http://arduino.esp8266.com/stable/package_esp8266com_index.json

- Cài đặt board: (ESP32)





4) Thêm thư viện vào Arduino ID



=> Xem chi tiết cài đặt ở: [ESP32, STM32, ESP 8266 - ERa IoT Platform Document \(gitbook.io\)](https://github.com/EOH-Ltd/ESP32-STM32-ESP8266-ERa-IoT-Platform-Documents)