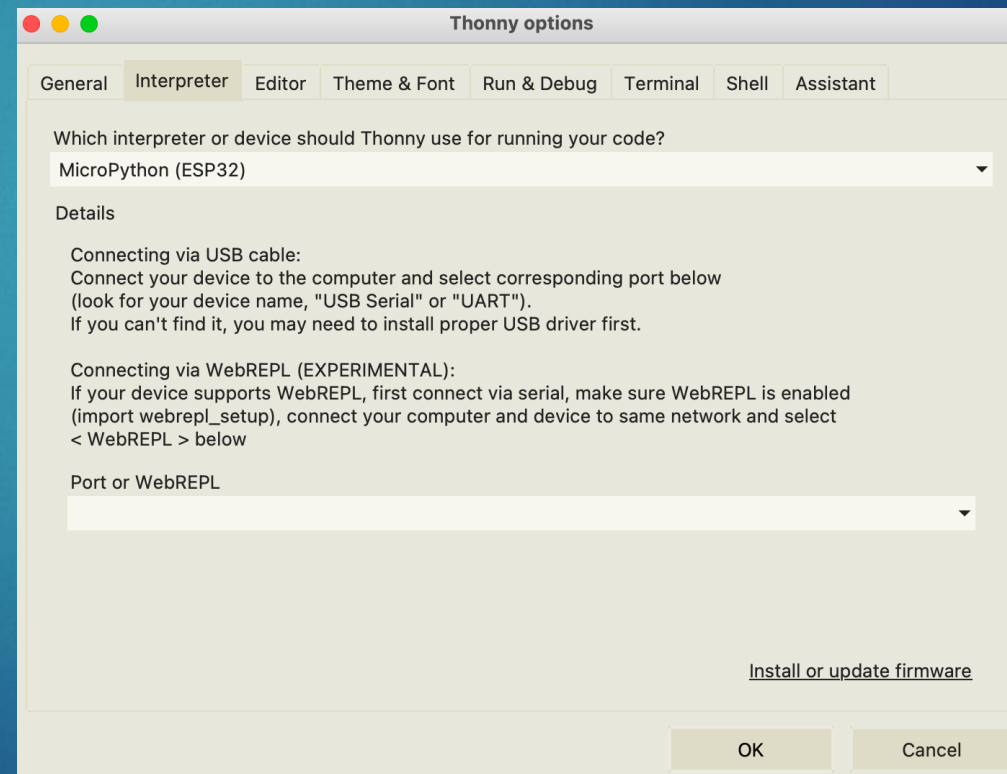
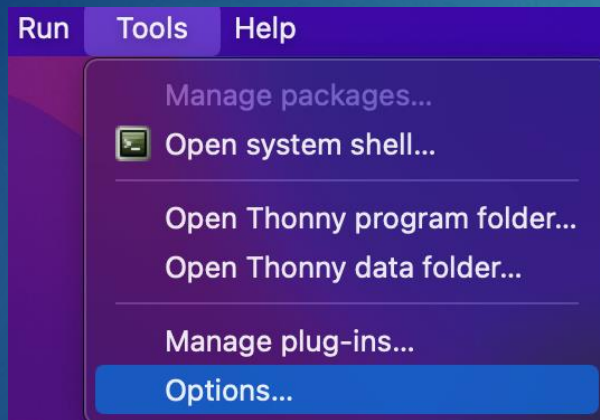




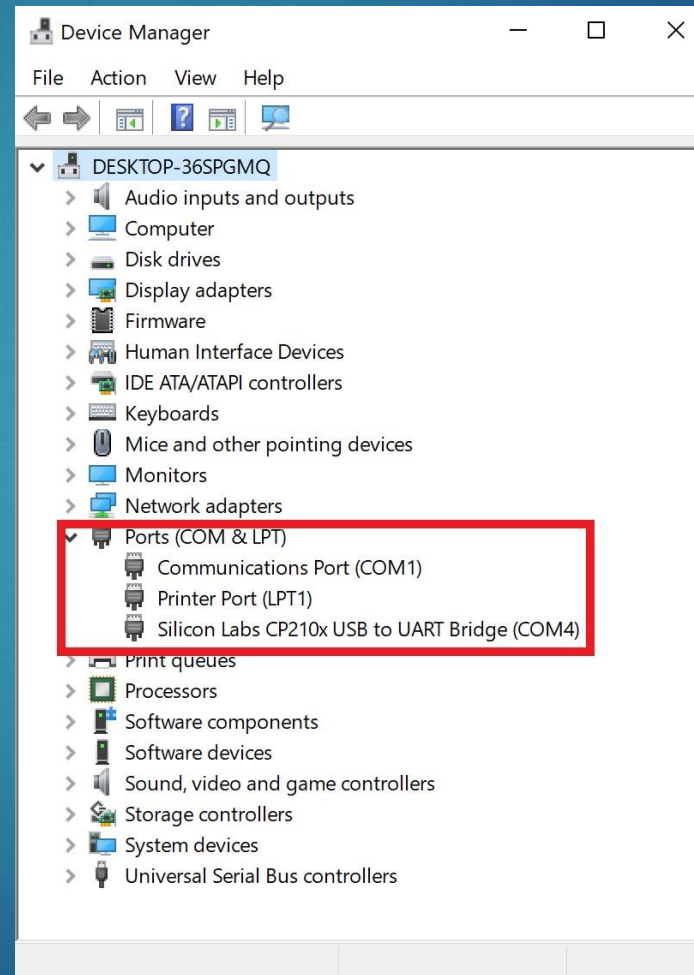
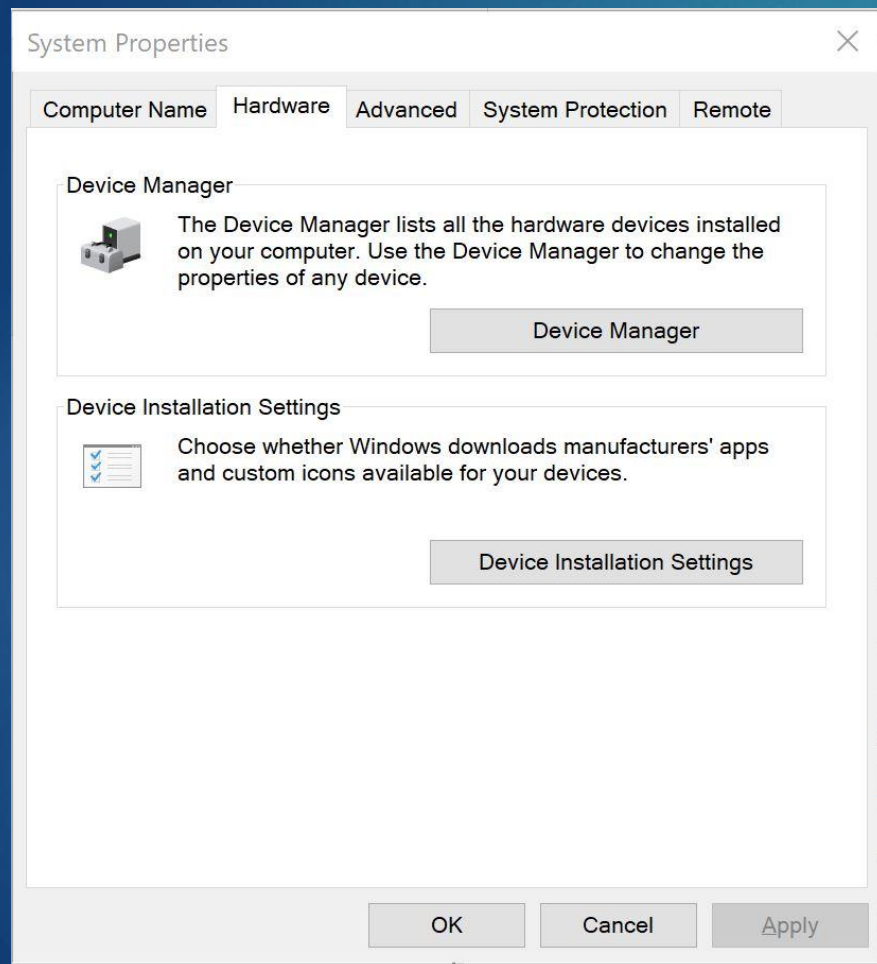
# Micropython

# ติดตั้ง Firmware

- ▶ เปิดโปรแกรม Thonny ขึ้นมาแล้วเลือกเมนู Tools -> Option



# ตรวจสอบหมายเลขคอมพอร์ต (com port)



หากไม่พบ หมายเลข com port  
ให้ติดตั้งไดรเวอร์ก่อน

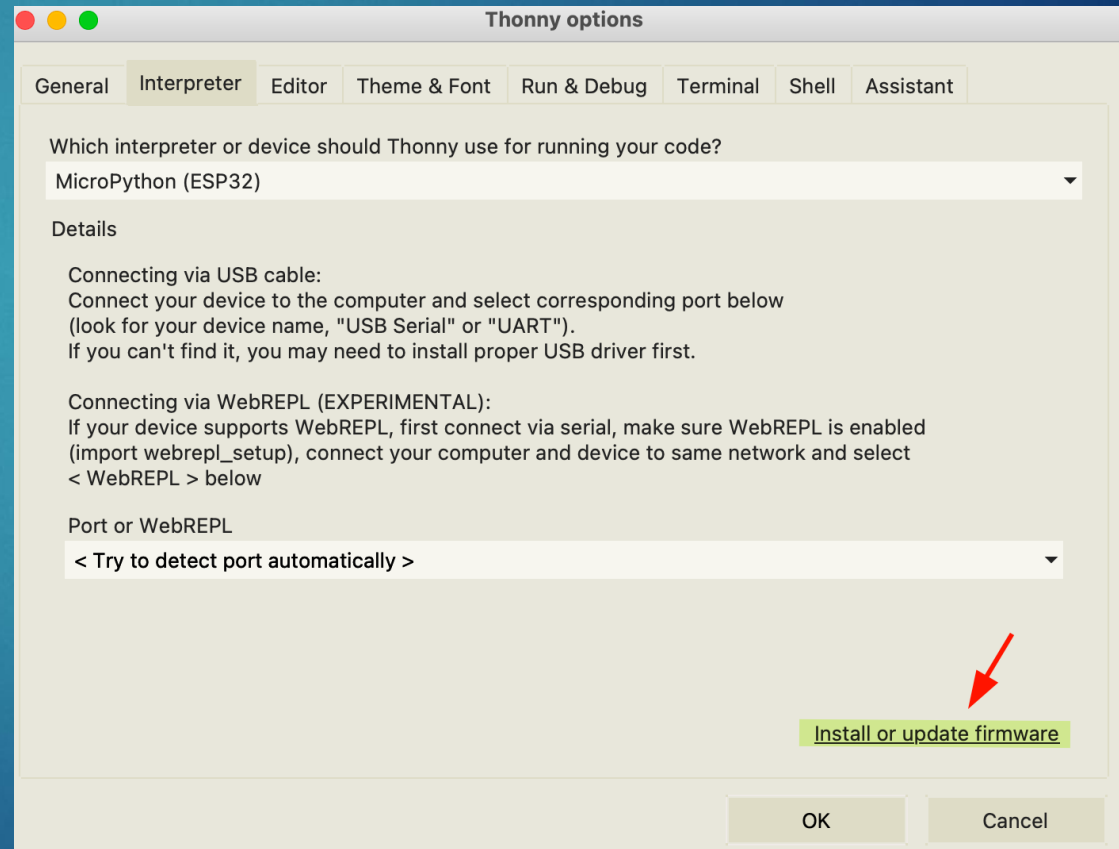
# Download/Install

## Firmware

### Releases

**v1.18 (2022-01-17)** [.bin](#) [\[.elf\]](#) [\[.map\]](#) [\[Release notes\]](#) (latest)  
v1.17 (2021-09-02) [.bin](#) [\[.elf\]](#) [\[.map\]](#) [\[Release notes\]](#)  
v1.16 (2021-06-23) [.bin](#) [\[.elf\]](#) [\[.map\]](#) [\[Release notes\]](#)  
v1.15 (2021-04-18) [.bin](#) [\[.elf\]](#) [\[.map\]](#) [\[Release notes\]](#)  
v1.14 (2021-02-02) [.bin](#) [\[.elf\]](#) [\[.map\]](#) [\[Release notes\]](#)  
v1.13 (2020-09-02) [.bin](#) [\[.elf\]](#) [\[.map\]](#) [\[Release notes\]](#)  
v1.12 (2019-12-20) [.bin](#) [\[.elf\]](#) [\[.map\]](#) [\[Release notes\]](#)

<https://micropython.org/download/esp32/>



ESP32 firmware installer

This dialog allows installing or updating firmware on ESP32 using the most common settings. If you need to set other options, then please use 'esptool' on the command line.

Note that there are many variants of MicroPython for ESP devices. If the firmware provided at [micropython.org/download](https://micropython.org/download) doesn't work for your device, then there may exist better alternatives -- look around in your device's documentation or at MicroPython forum.

Port

CP2104 USB to UART Bridge Controller - CP2104 USB to UART Bridge Control ▾

Reload

Firmware

esp32-20220117-v1.18.bin

Browse...

Flash mode

☒ From image file (keep)

☐ Quad I/O (qio)

☐ Dual I/O (dio)

☐ Dual Output (dout)

☒ Erase flash before installing

Install

Cancel