

Get started with MicroPython [C3 series]

Flash MicroPython firmware

The boards were already flashed with MicroPython firmware. If they lost the firmware or you need the latest version, you can flash MicroPython firmware by yourself.

Requirements

- [Python](#)
- [esptool](#) (to flash ESP32-C3 firmware)

```
pip3 install esptool
```

C3 Firmware

- [Firmware](#)

Flash firmware

- Put C3 boards into **Device Firmware Upgrade (DFU)** mode.
 - Hold **Button 9**
 - Press **Button Reset**
 - Release **Button 9** when you hear the prompt tone on USB reconnection

- Flash using esptool.py

- `esptool.py --port PORT_NAME erase_flash`
- `esptool.py --port PORT_NAME --baud 1000000 write_flash -z 0 FIRMWARE.bin`

Note

Don't forget to change `PORT_NAME` and `FIRMWARE.bin`.

In Linux, `PORT_NAME` is like `/dev/ttyUSB0`. In Windows, `PORT_NAME` is like `COM4`.

Quick reference

- [Quick reference for the ESP32](#)

Get started with Arduino [C3 series]

Requirements

- [Python](#)
- [Arduino IDE](#)

Installing Hardware package

- [esp32 arduino package](#)

Configure Board

- Use latest [esp32 arduino package](#)
- Choose board **LOLIN C3 MINI**

Upload Code

- Make C3 boards into **Device Firmware Upgrade (DFU)** mode.
 - Hold on **Button 9**
 - Press **Button Reset**
 - Release **Button 9** When you hear the prompt tone on usb reconnection

Documentation

- [ESP32-S2 and ESP32-C3 Support](#)

Get started with CircuitPython [C3 series]

Flash CircuitPython firmware

Requirements

- [Python](#)

- [esptool](#) (for flash esp32-c3 firmware.)

```
pip install esptool
```

S2 Firmware

- [Firmware](#)

Flash firmware

- Make S2 boards into **Device Firmware Upgrade (DFU)** mode.
 - Press and hold the [9] Button
 - Press and release the [Reset] Button
 - Release the [9] Button
- Flash using esptool.py
- ```
esptool.py --chip esp32c3 --port PORT_NAME --baud 1000000 write_flash -z 0x0 FIRMWARE.bin
```

### Note

Don't forget to change **PORT\_NAME** and **FIRMWARE.bin**.

In Linux, **PORT\_NAME** is like /dev/ttyUSB0. In windows, **PORT\_NAME** is like COM4.

## Quick reference

- [Welcome To CircuitPython](#)