

Lilygo

On va commencer à jouer avec les petites boards Lilygo.
Ne connaissant rien, je met tout en vrac ici.

Programme esptool sous Linux

Ca marche en Python3, c'est pratique, et on va faire un venv pour pas péter notre Os.

Installer ESPTool

```
mkdir esptool
cd esptool
python3 -m venv
source bin/activate
pip install esptool
```

Et Zou !

```
$ esptool.py chip_id
esptool.py v4.8.1
Found 2 serial ports
Serial port /dev/ttyACM1
Connecting....
Detecting chip type... ESP32
Chip is ESP32-PICO-D4 (revision v1.0)
Features: WiFi, BT, Dual Core, 240MHz, Embedded Flash, VRef calibration in
efuse, Coding Scheme None
Crystal is 40MHz
MAC: 98:cd:ac:xx:ha:ha
Uploading stub...
Running stub...
Stub running...
Warning: ESP32 has no Chip ID. Reading MAC instead.
MAC: 98:cd:ac:f3:d1:e0
Hard resetting via RTS pin...
(esptool)
```

Dump du firmware

```
$ esptool.py flash_id
esptool.py v4.8.1
Found 2 serial ports
Serial port /dev/ttyACM1
```

```
Connecting....  
Detecting chip type... Unsupported detection protocol, switching and trying  
again...  
Connecting.....  
Detecting chip type... ESP32  
Chip is ESP32-PICO-D4 (revision v1.0)  
Features: WiFi, BT, Dual Core, 240MHz, Embedded Flash, VRef calibration in  
efuse, Coding Scheme None  
Crystal is 40MHz  
MAC: 98:cd:ac:f3:d1:e0  
Uploading stub...  
Running stub...  
Stub running...  
Manufacturer: c8  
Device: 4016  
Detected flash size: 4MB  
Flash voltage set by a strapping pin to 3.3V  
Hard resetting via RTS pin...
```

Liens utiles

<https://meshtastic.org/docs/getting-started/flashing-firmware/esp32/cli-script/>

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