ESP8266 Tutorial
(Web server)

ESP8266 Tutorial (As Web server)

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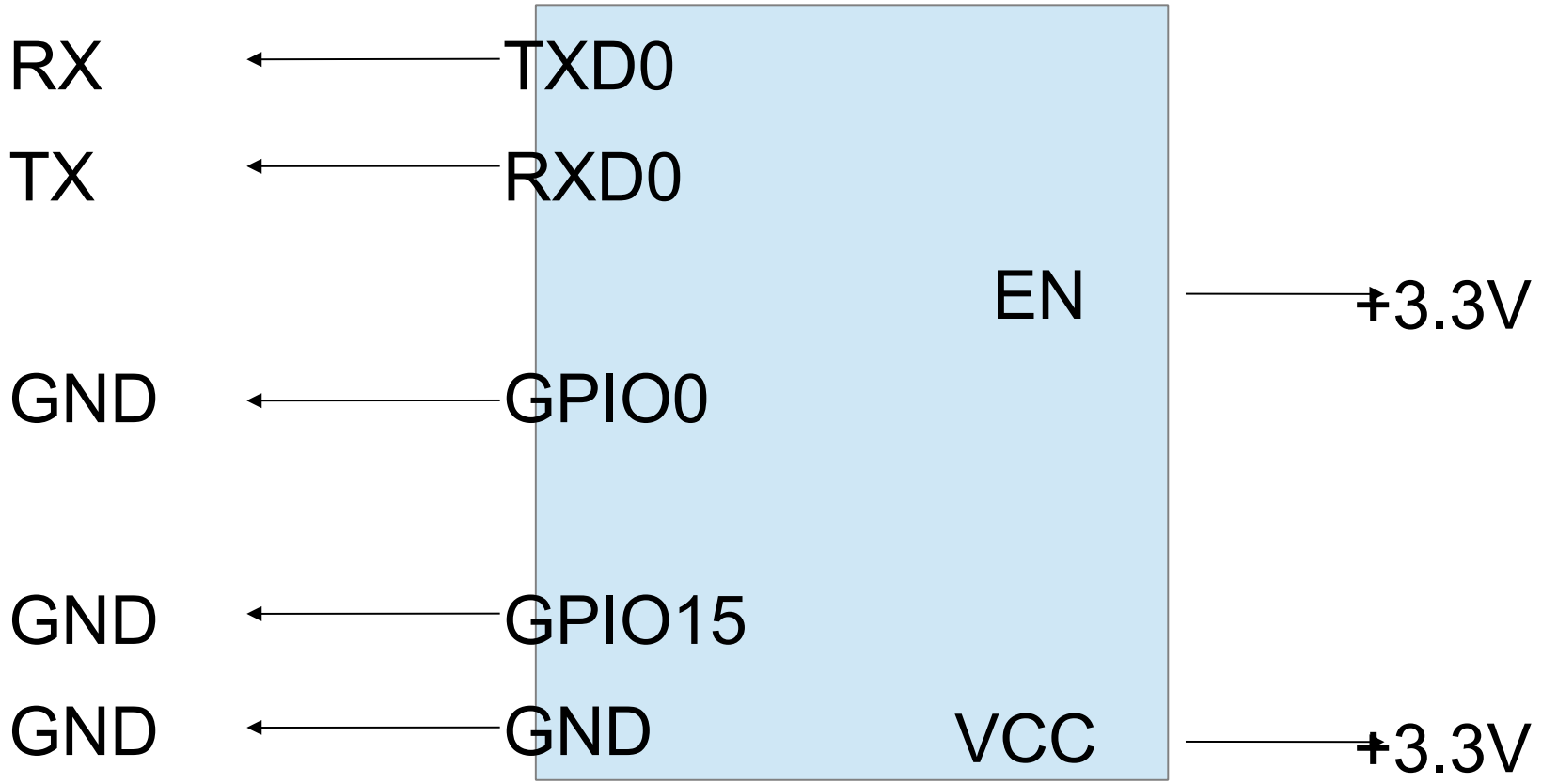
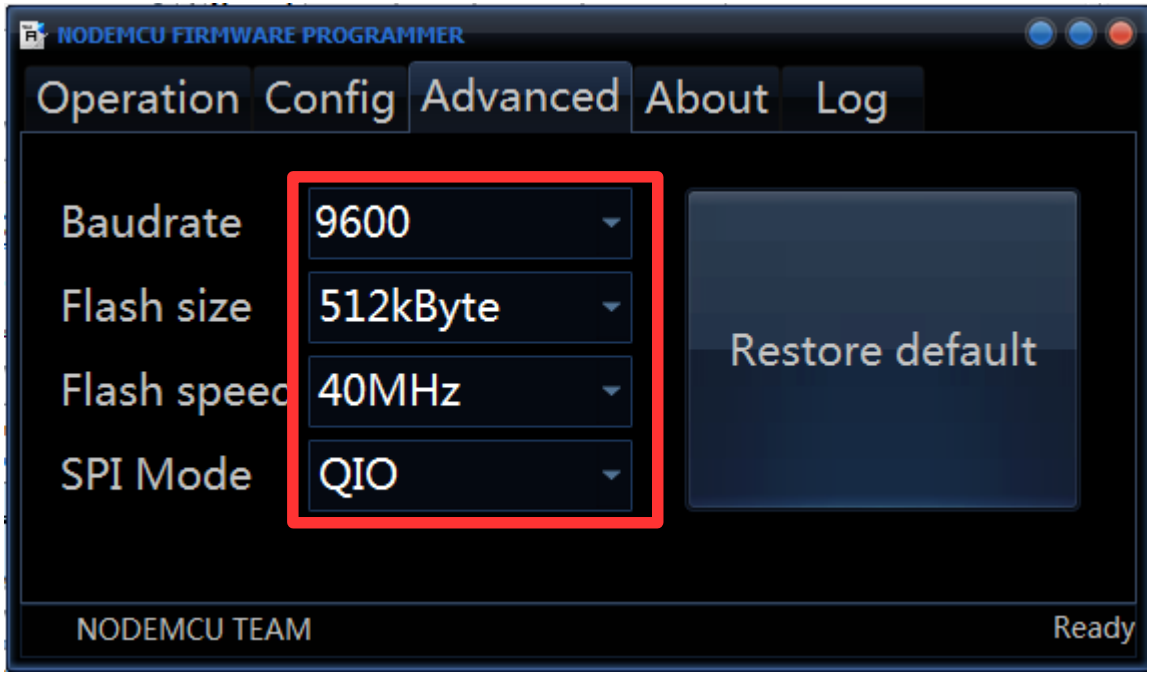
Updating Firmware NodeMCU

A. Connection Diagram(Using USB-to-UART converter)



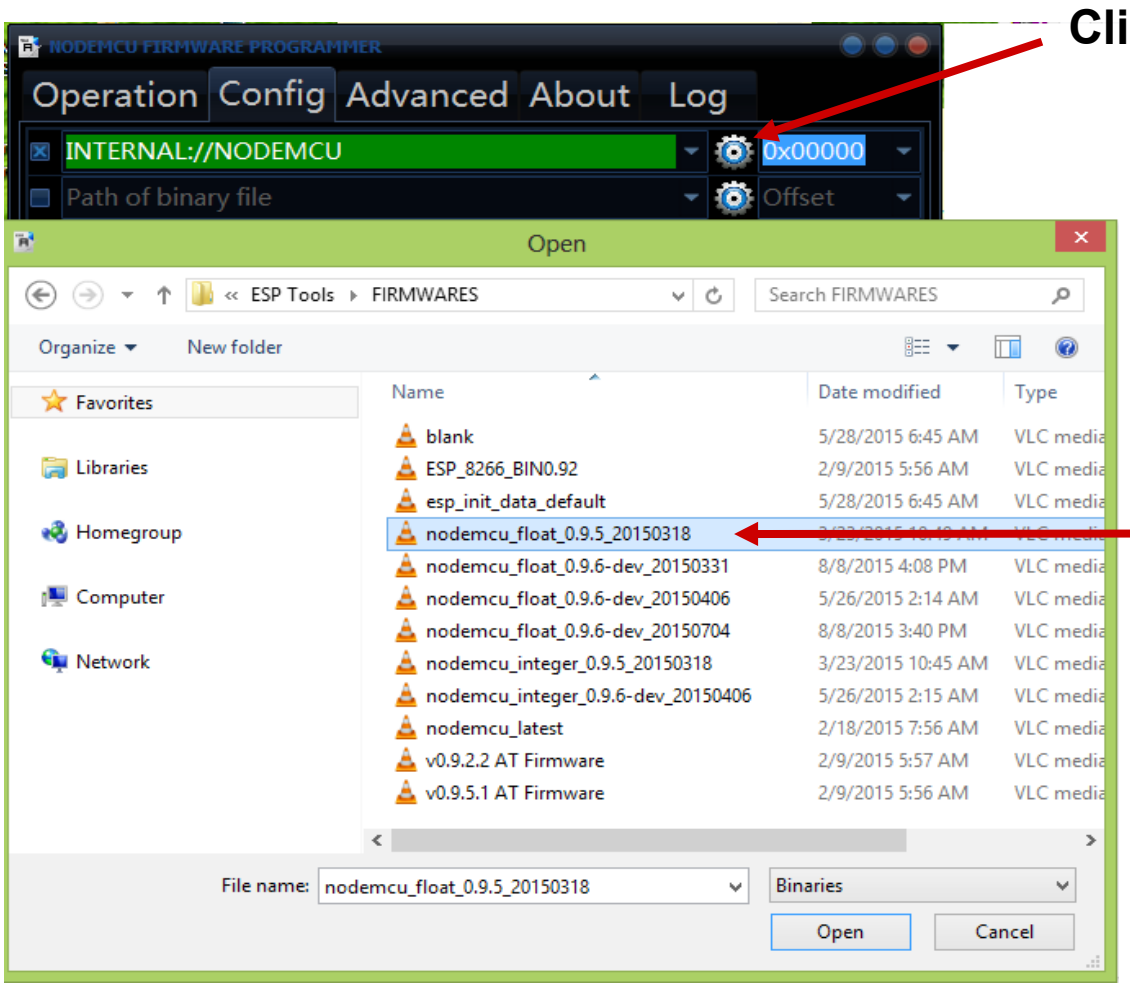
Updating Firmware NodeMCU

- B. Procedure
- 1. Open ESP8266Flasher.(x32) or (x64).
- 2. ADVANCED set Baudrate, Flash size, Flash speed, SPI Mode.



Updating Firmware NodeMCU

- 3. CONFIG



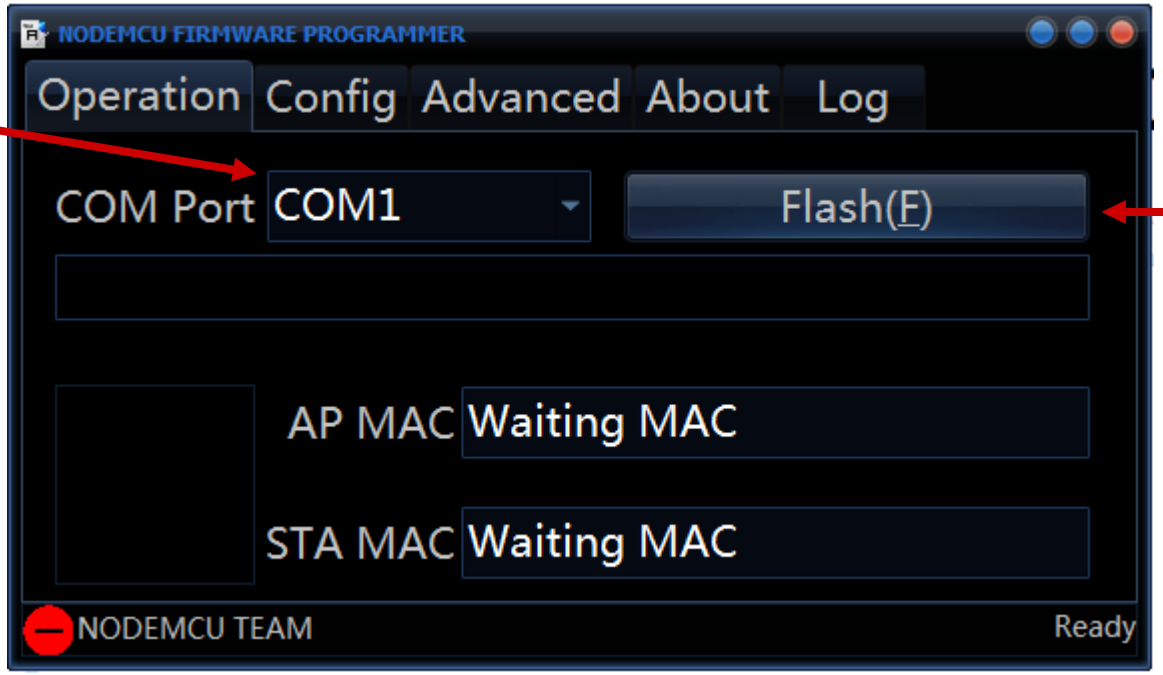
Click This!

Select nodemcu_float_0.9.5_20150318.bin

Updating Firmware NodeMCU

- 4. OPERATION

Select COM#

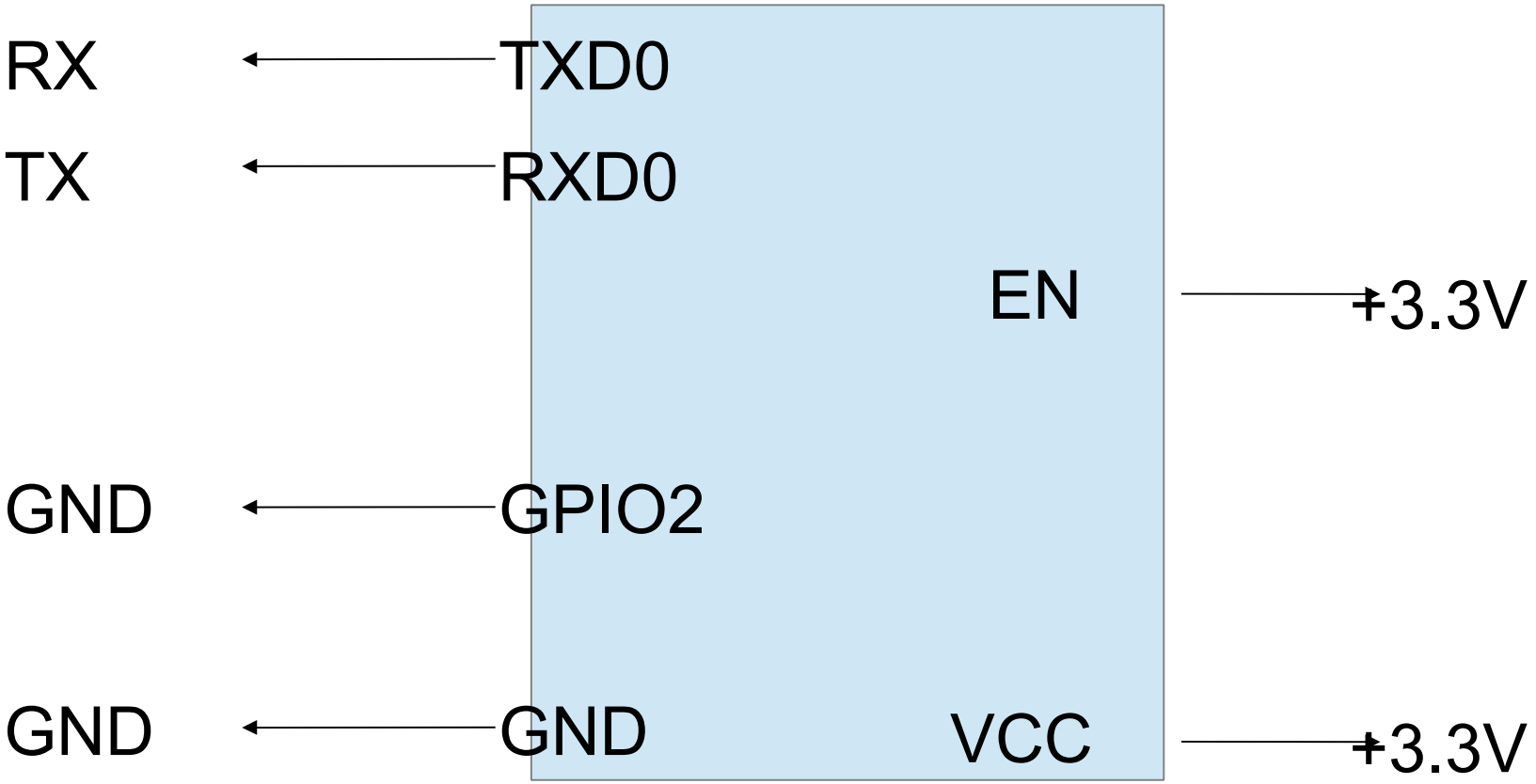


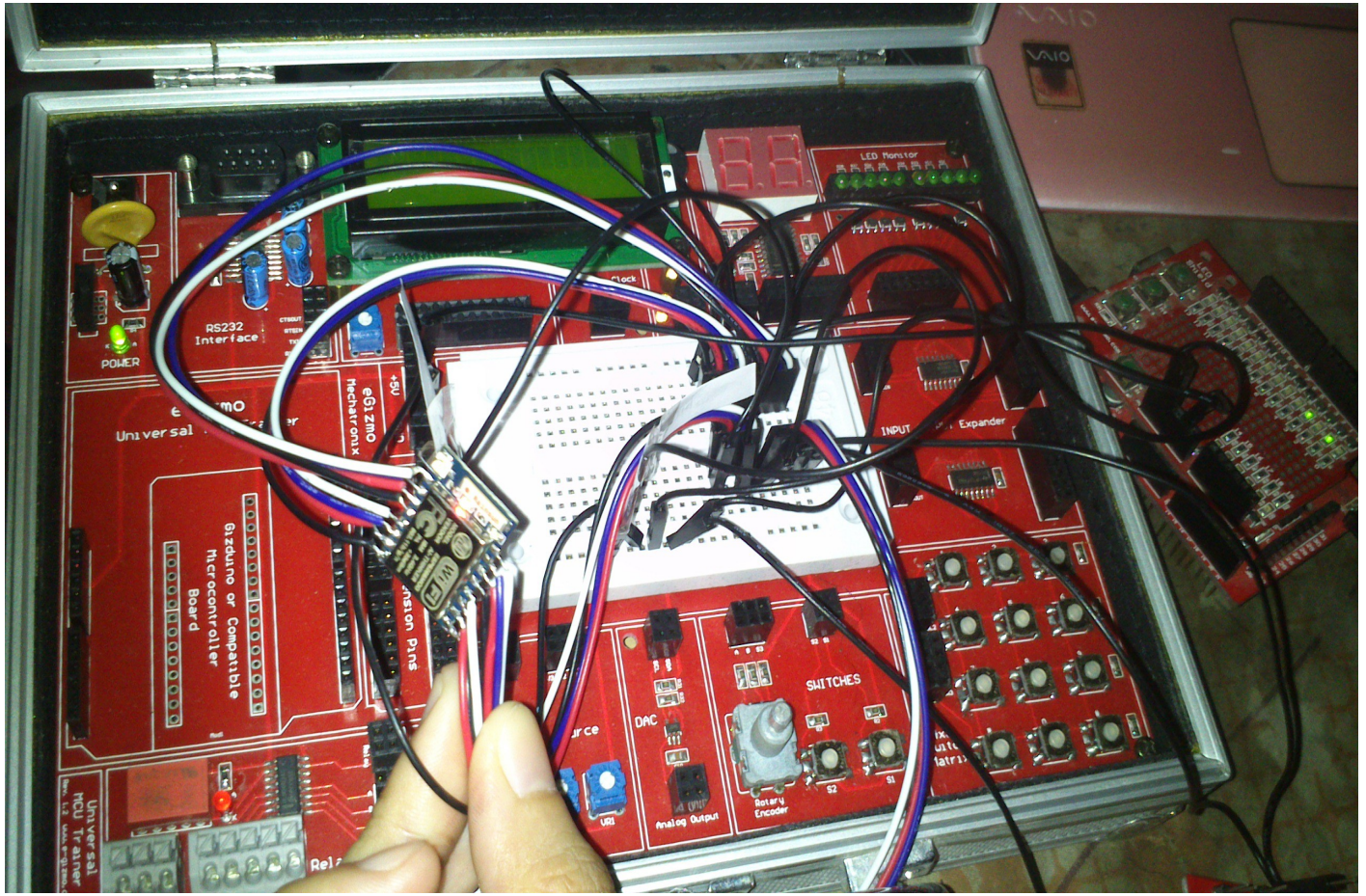
Click “Flash”

Then wait to Finish bootloading...
After the bootload is done, disconnect GPIO0 and GPIO15 to the GND.

Using ESPlorer

- A. Connection Diagram

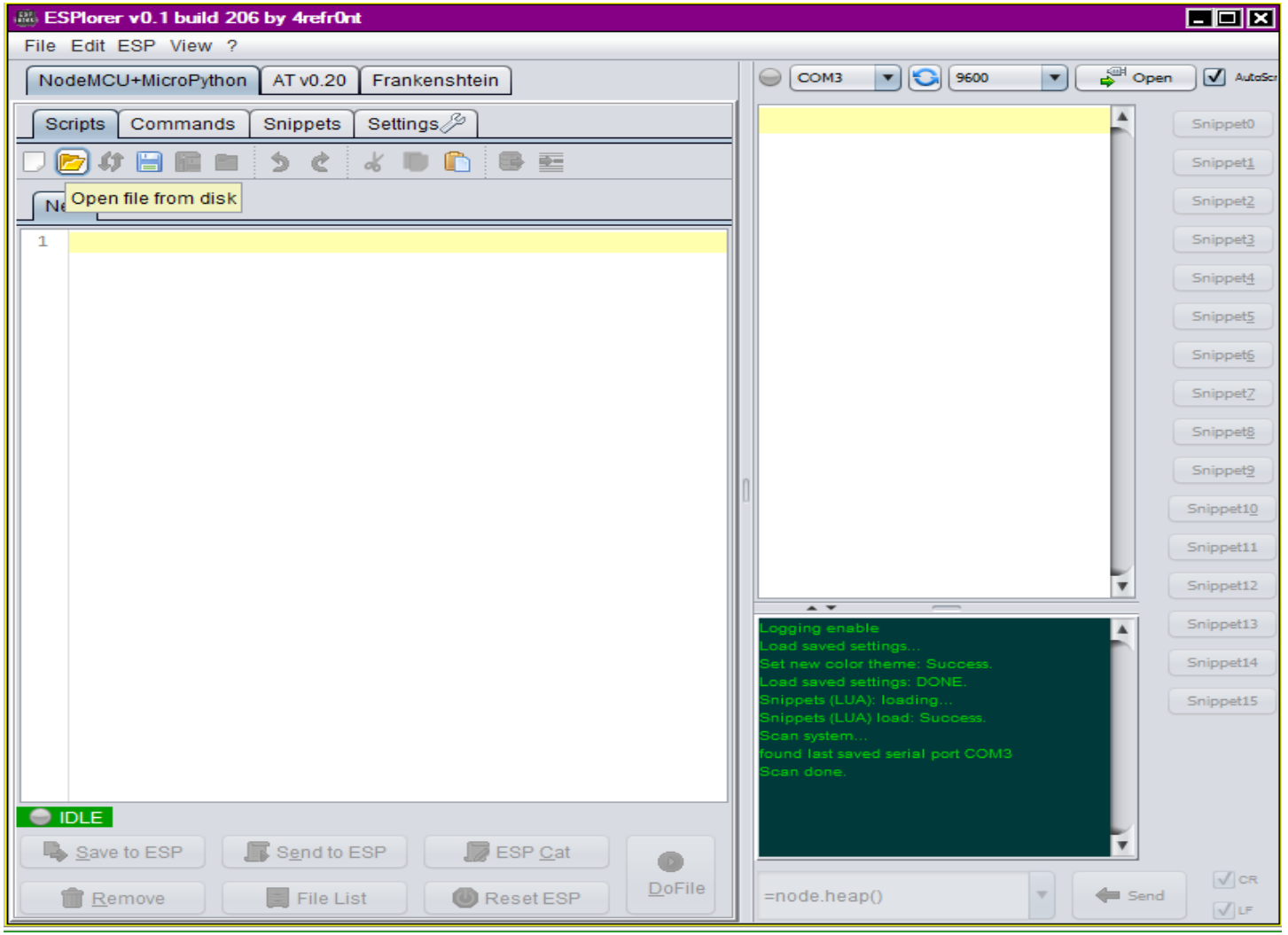




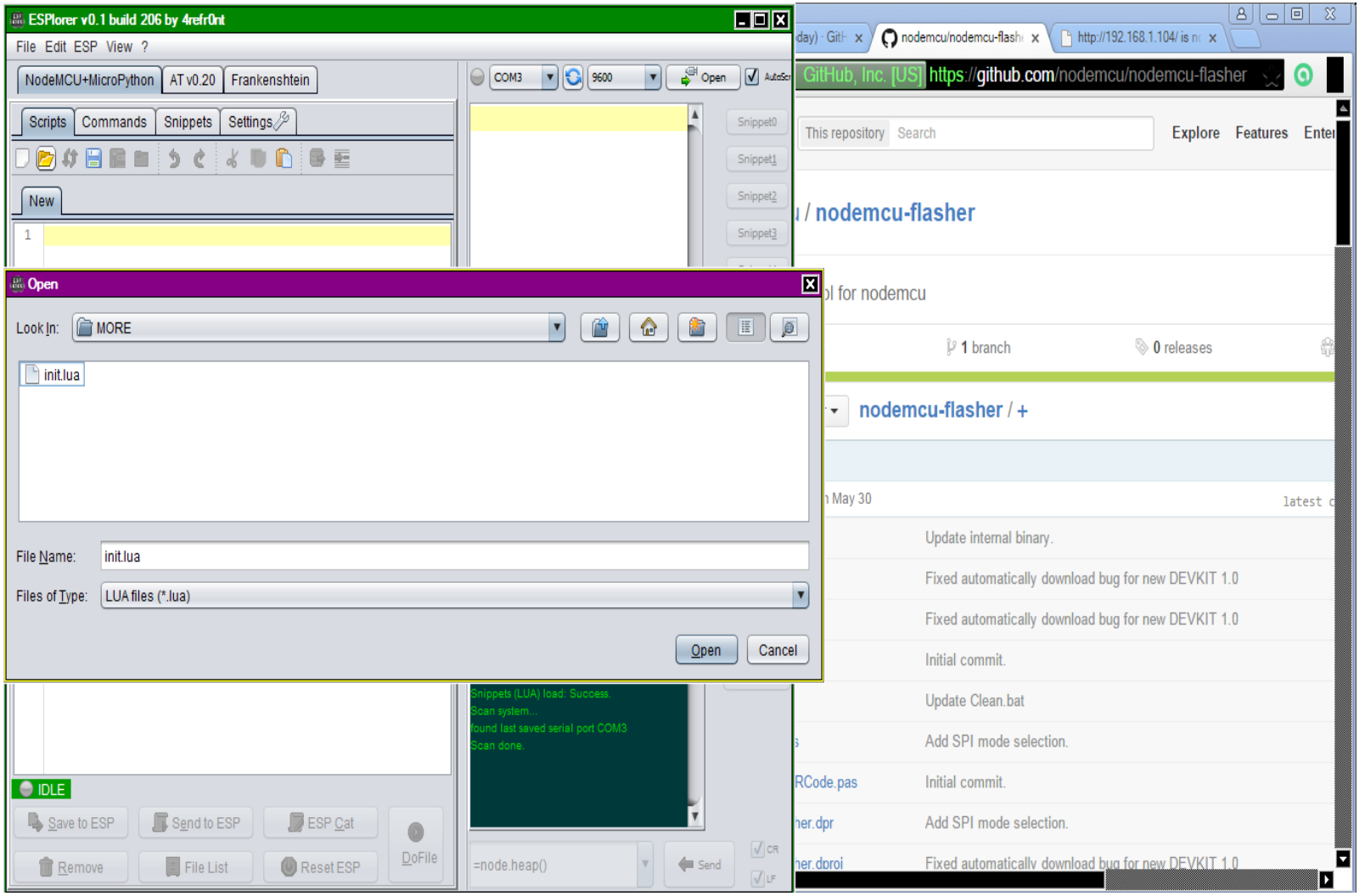
Im using the LED monitor of UMT Trainer for my experiment. The supply I used is also From gizDuino Power (+5V dc) to power the UMT.

Note: Im using +3v3 Power Supply of gizDuino. Not from the +3.3V of USB-to-TLL Converter. Then Common GND.

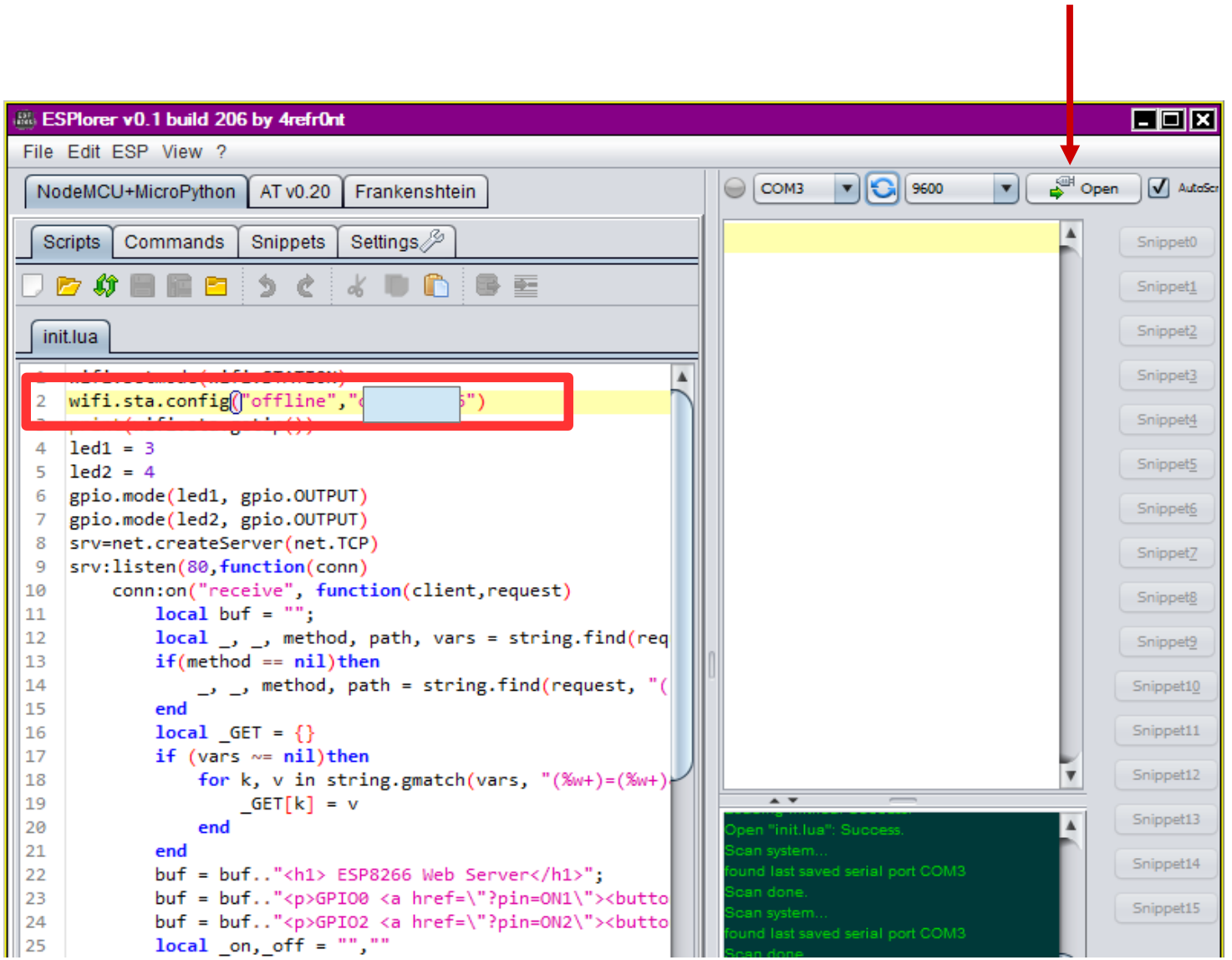
Now Open ESPlorer

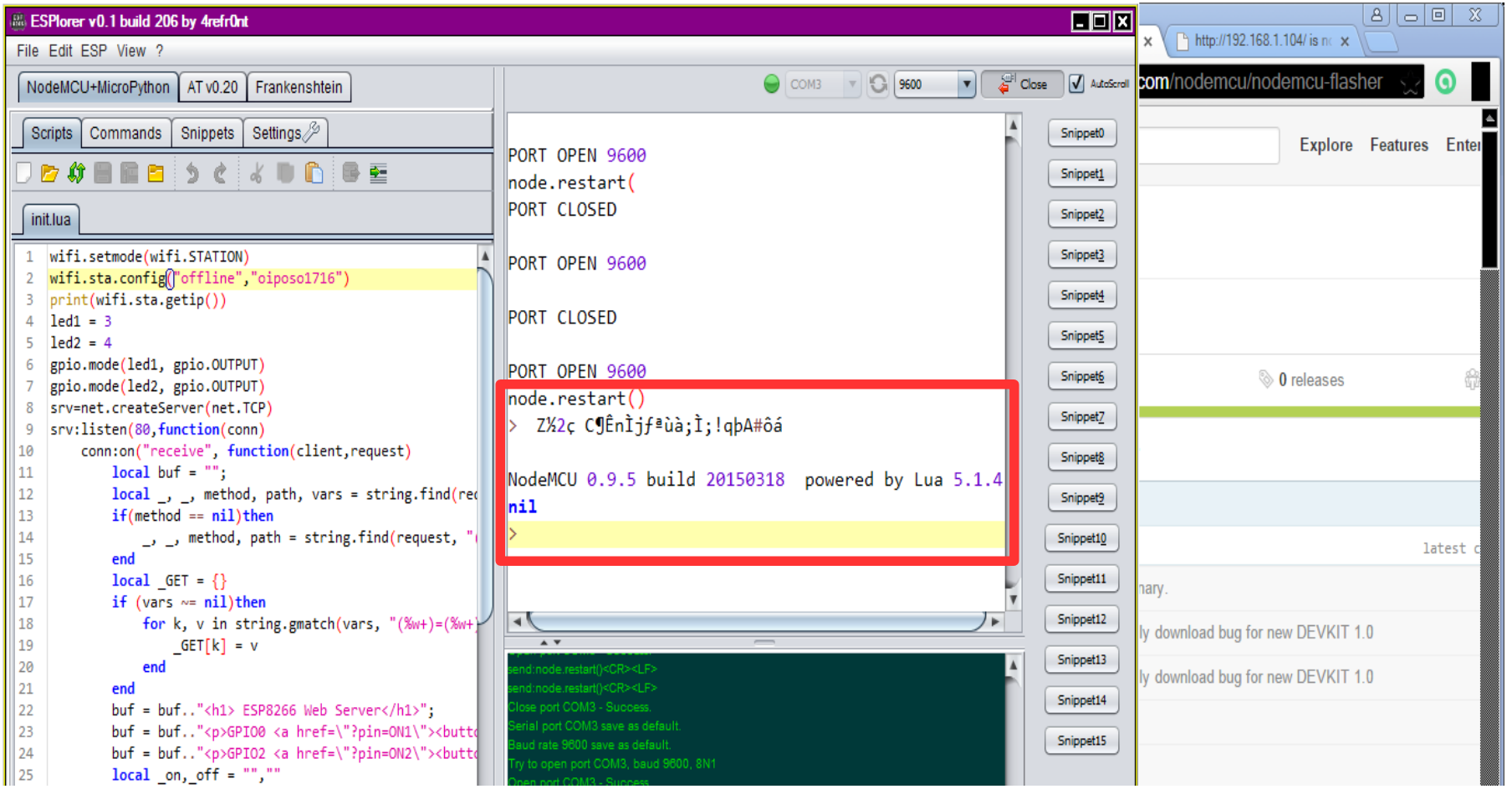


Open init.lua sample



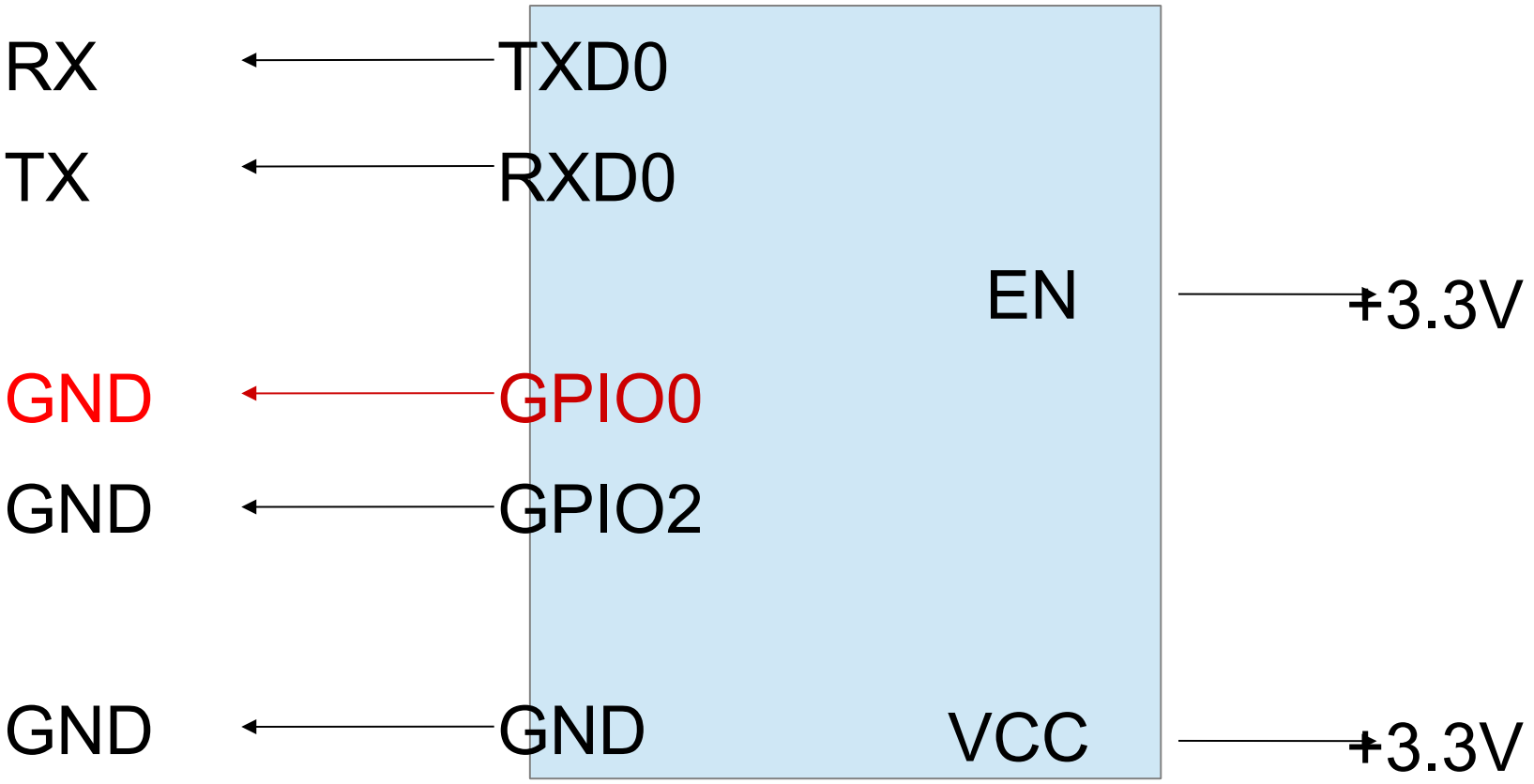
Place (“Your_SSID”,”Password”), then click “OPEN”

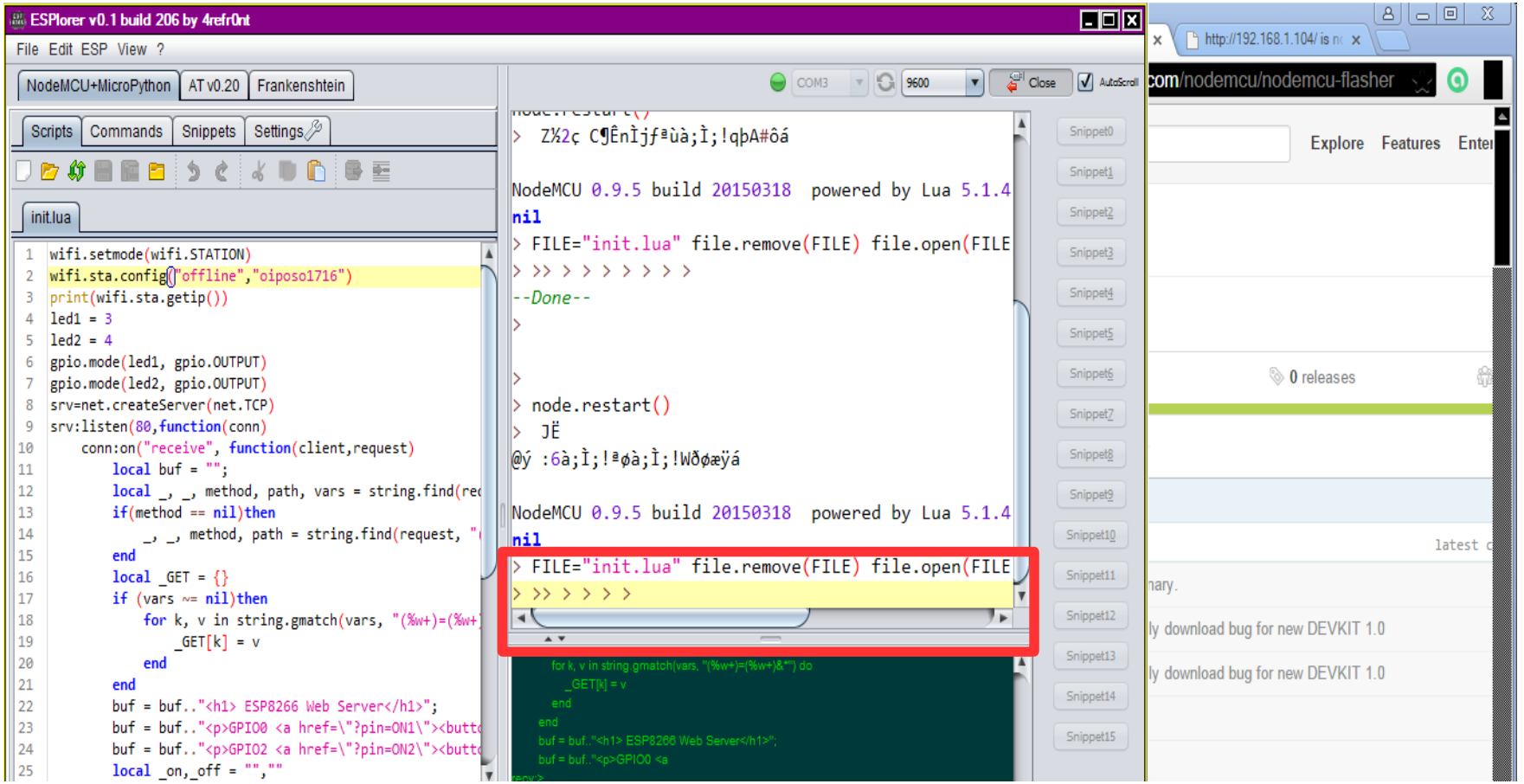




Click Reset ESP → Reset ESP

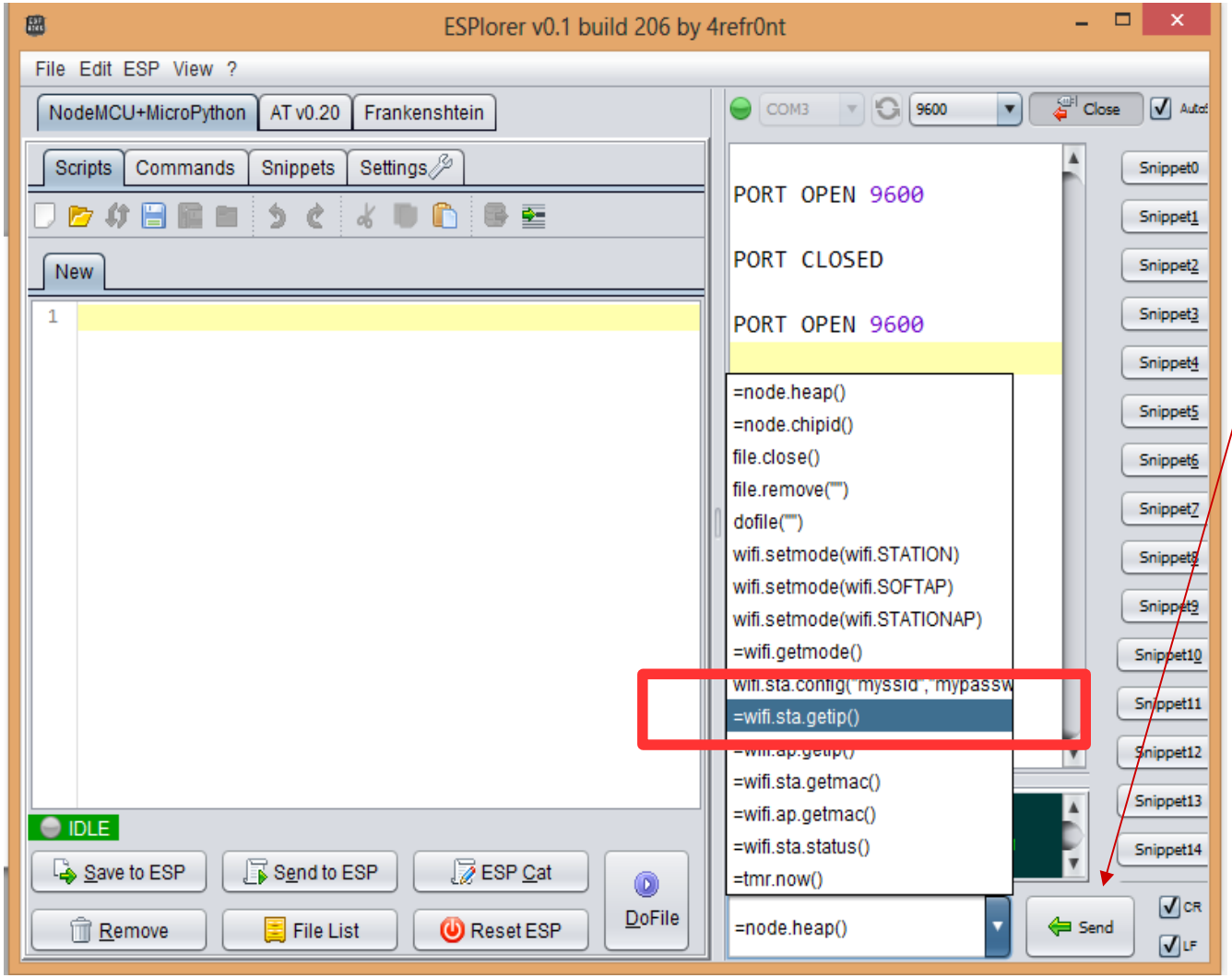
- A. In Connection Diagram
- Connect GPIO0 To GND.



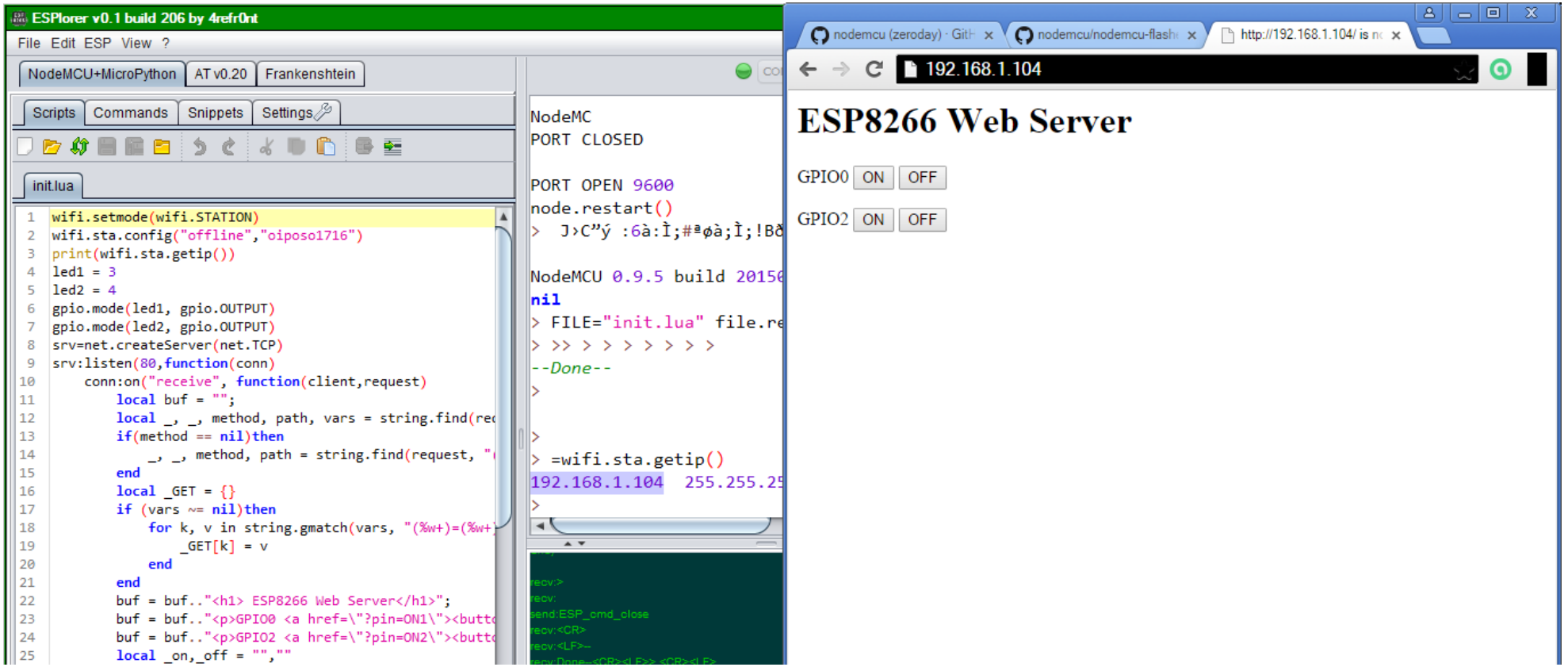


Click “Save to ESP” ⟶ Save to ESP

Select “=wifi.sta.getip()”, then Click “Send”



The IP address is shown, then Goto browser.



DONE! Enjoy ;-)