

setup arduino IDE for ESP8266

1. download the latest [Arduino IDE](#) and unpack it.
2. create a subdirectory called portable
3. start your arduino IDE and go to File→preferences and add this to *Additional Boards Manger URLs*: http://arduino.esp8266.com/stable/package_esp8266com_index.json
4. select OK and go to Tools - Boards... - Boards Manager... and enter ESP into the search. now install the esp8266 module and close that window.
5. for generic ESP boards verify your settings under Tools are like these:

```
Board: "Generic ESP8266 Module" <<<<!!!!  
Flash Mode: "DOUT" <<<<!!!!  
Flash Size: "1M (no SPIFFS)" <<<<!!!!  
Debug Port: "Disabled"  
Debug Level: "None"  
LwIP Variant: "v1.4 Prebuilt" <<<<!!!  
Reset Method: "ck"  
Crystal Frequency: "26 MHz"  
Flash Frequency: "40MHz"  
Upload Using: "Serial"  
CPU Frequency: "80 MHz"  
Upload Speed: "115200"  
Port: Your COM port connected to sonoff
```

6. for the Wemos D1 mini boards I used these settings (despite mine was called D1 mini and there is also a board setting for the mini, but it didn't upload the sketch when it got bigger than a very small size):

```
Board: "Wemos D1 R2"  
Flash Size: "4M (1M SPIFFS)"
```

leave the rest to the defaults

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