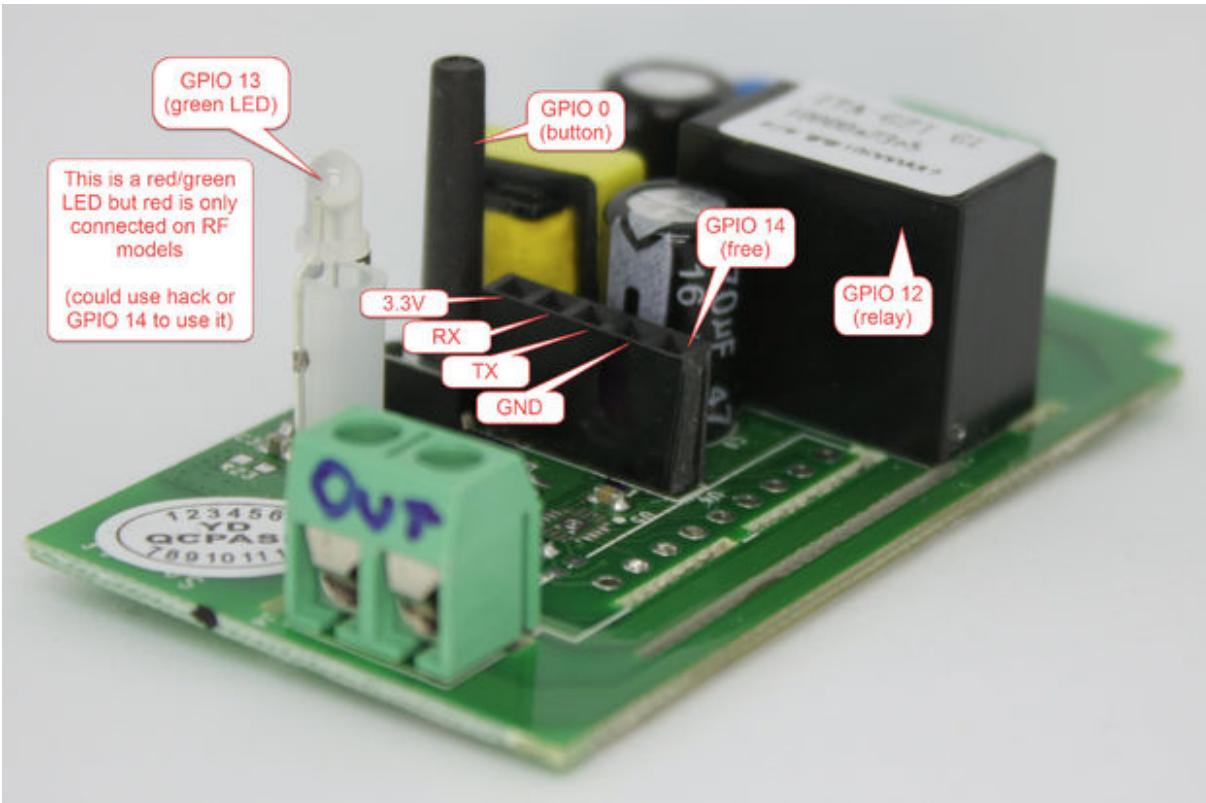


Sonoff Basic

Overview

The Sonoff device is a cheap \$5 ESP8266 wifi enabled switch.

Pinout



GPIO	Description
0	Button
1	Serial Rx and Optional Sensor
3	Serial Rx and Optional Sensor
4	Optional Sensor (no pad, available at esp8266 chip)
12	Relay and Red LED
13	Green LED
14	Optional Sensor

Wiring the Sonoff to the serial cable


```
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: "nodemcu"
Crystal Frequency: "26 MHz"
Flash Frequency: "40MHz"
Upload Using: "Serial"
CPU Frequency: "80 MHz"
Upload Speed: "115200"
Port: "COM5"
Get Board Info
```

- Connect the Sonoff device to a USB port while holding down the button. This will put it in flash mode.
- Select the serial port of the Sonoff device
- Upload and you are done.

See <https://github.com/arendst/Sonoff-Tasmota/wiki/Arduino-IDE>

Commands

`http://HOST/cm?user=USER&password=PASSWORD&cmd=Power%20TOGGLE`

Command	Description	Output
Power%20TOGGLE	Toggle Power	{ "POWER" : "OFF" } { "POWER" : "ON" }
Power%20On	Power On	{ "POWER" : "ON" }
Power%20Off	Power Off	{ "POWER" : "OFF" }
Power	Power status	{ "POWER" : "ON" }

FriendlyName	Display Friendly name	<code>{"FriendlyName1":"Sonoff"}</code>
Status	Display Status	<code>{"Status":{"Module":1,"FriendlyName":"Sonoff","Topic":"sonoff", "ButtonTopic":"0","Power":0,"PowerOnState":3,"LedState":1, "SaveData":1,"SaveState":1,"ButtonRetain":0,"PowerRetain":0}}</code>

See <https://github.com/arendst/Sonoff-Tasmota/wiki/Commands> for the full list.

References

Reference	URL
Sonoff Manufacturer's Page	http://sonoff.itead.cc/en/
Flashing Sonoff using Arduino	https://github.com/arendst/Sonoff-Tasmota/wiki/Arduino-IDE
Sonoff-Tasmota Commands	https://github.com/arendst/Sonoff-Tasmota/wiki/Commands