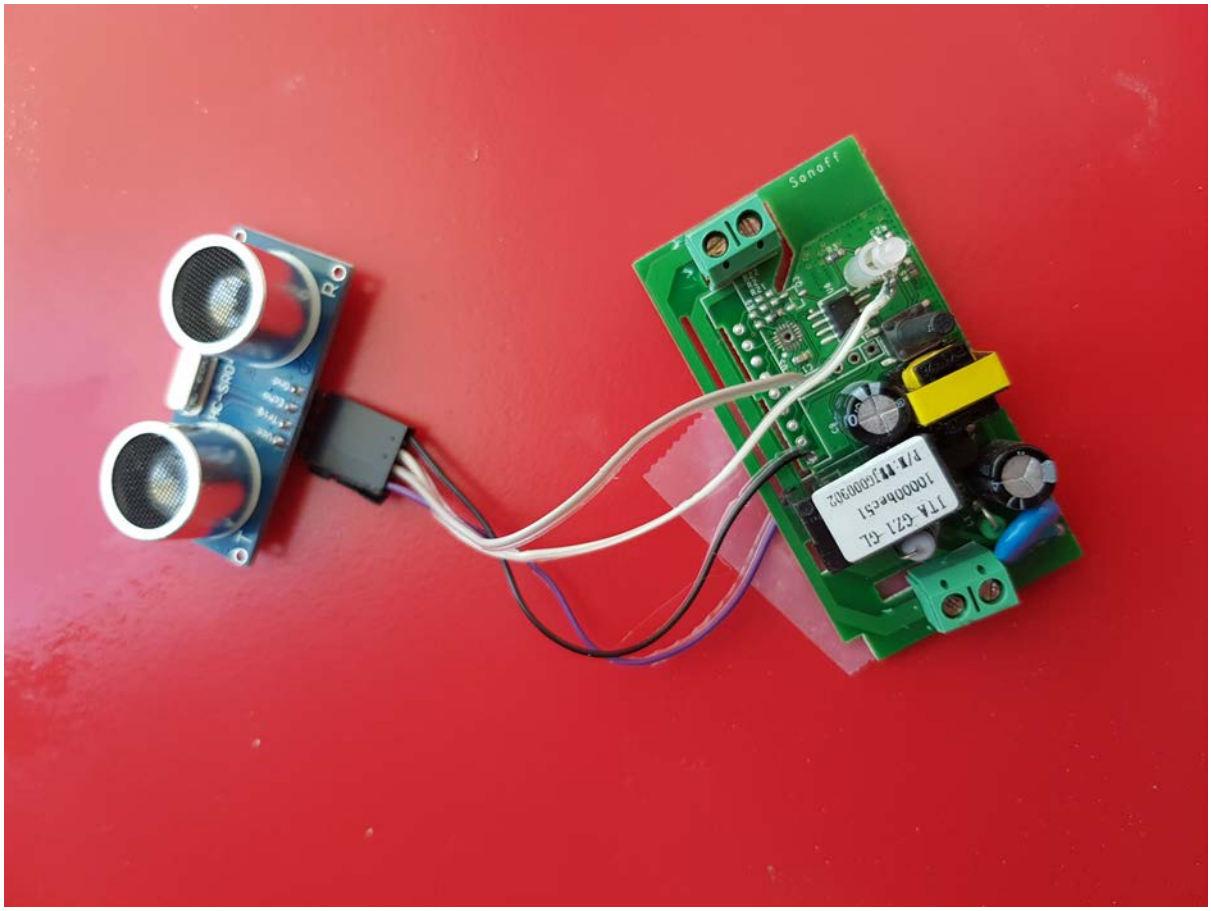
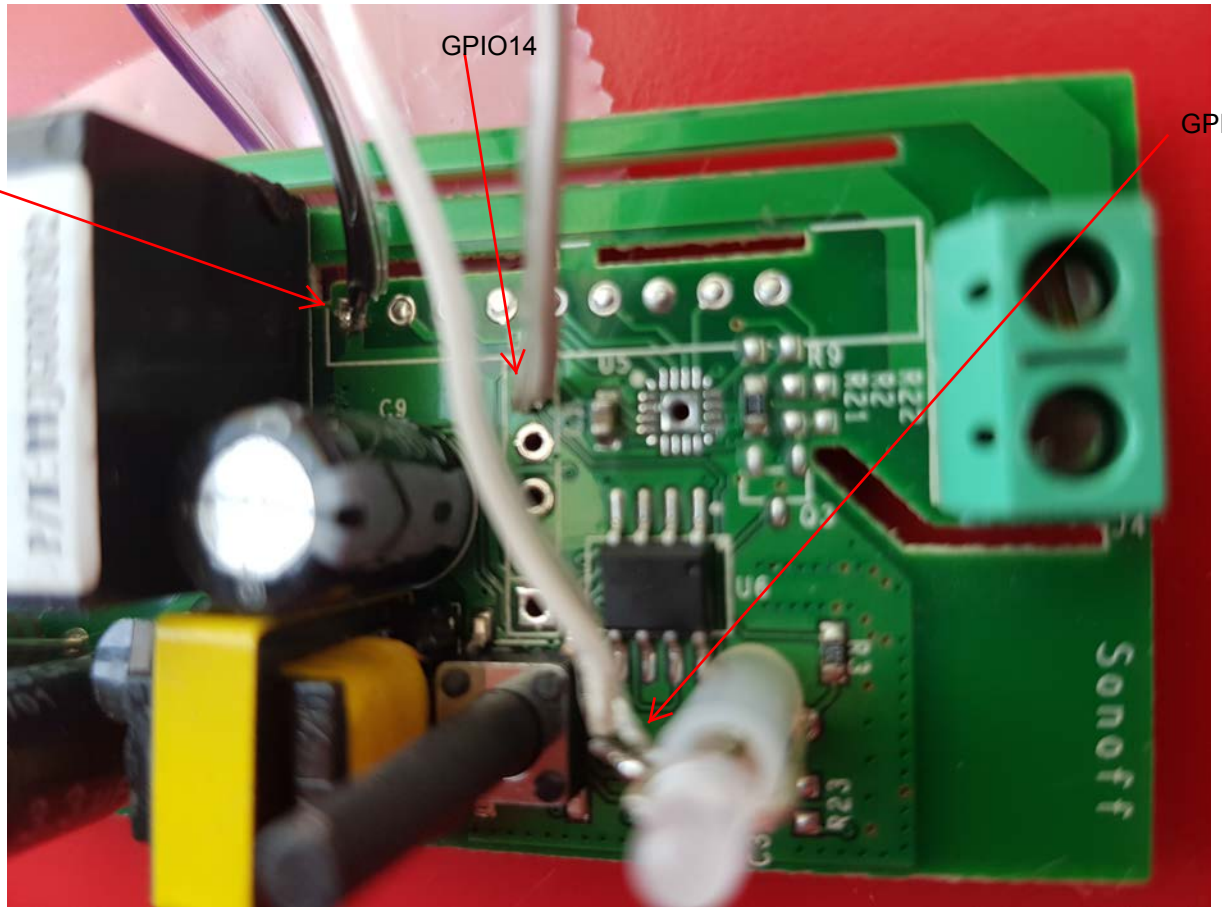
Sonoff Basic
Supplier: https://www.itead.cc/smart-home/sonoff-wifi-wireless-switch.html
Tasmotta software: https://github.com/arendst/Sonoff-Tasmota

Garage sensor:

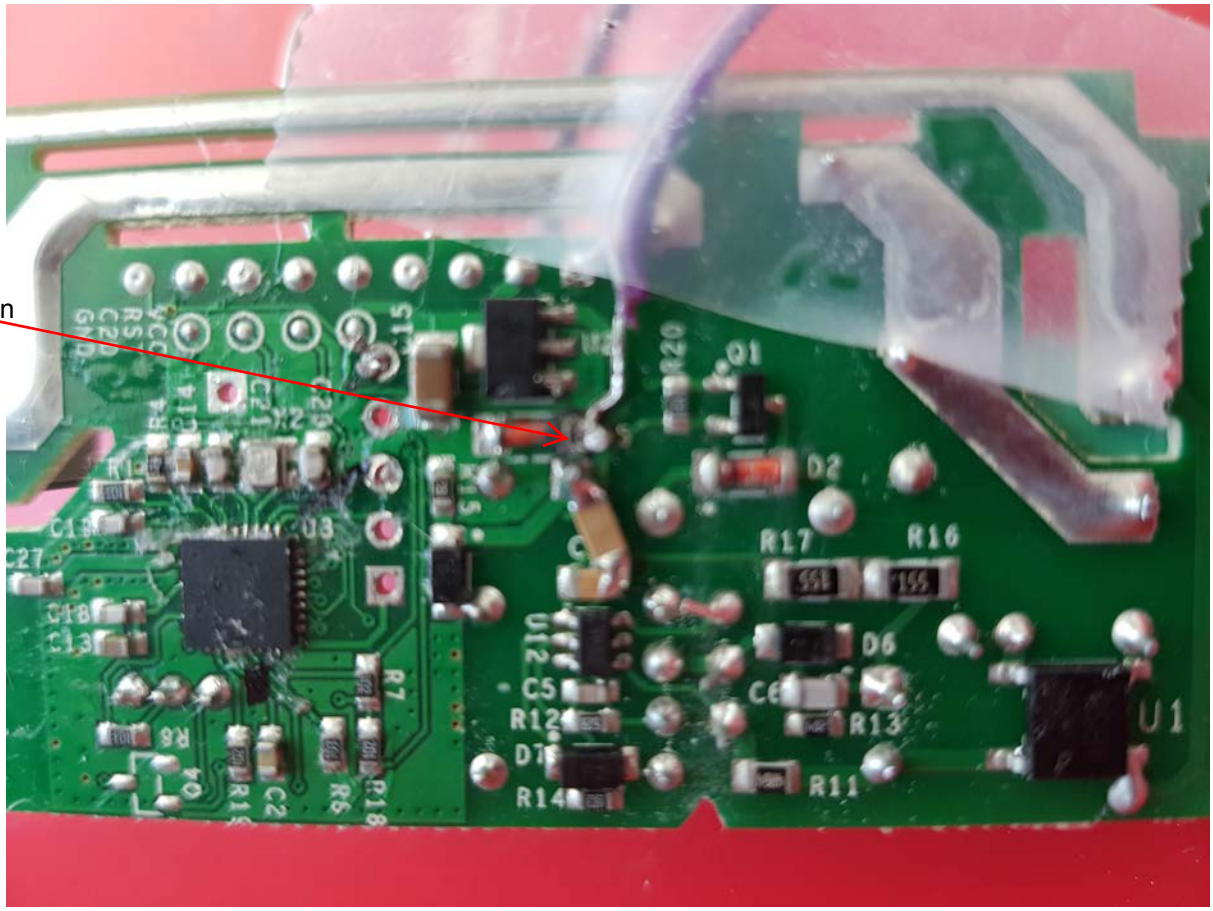
1. Flash with your ino
    a. https://hackaday.io/project/25090-garage-door-sensor
        i. on your sketch I changed as follows:
            1. # USING SONOFF ULTRASONIC_TRIG_PIN 14
            2. # USING SONOFF ULTRASONIC_ECHO_PIN 13
    b. connect sonoff: https://www.google.ae/search?q=flash+sonoff&rlz=1C5CHFA_enAE739AE739&source=lnms&tbm=isch&sa=X&ved=0ahUKEwjq9e68xtnZAhUEzaQKHe8qCYcQ_AUICygC&biw=1920&bih=983#imgrc=eK54cvqmtR9OZM:
    c. set up IDE: https://github.com/arendst/Sonoff-Tasmota/wiki/Arduino-IDE
    d. flash
2. Some soldering: See below pictures
    a. Solder to GPIO14 on Sonoff
    b. Solder to GPIO 13 on Sonoff (led light between light and black push button)
    c. Solder to ground (black cable next to relay)
    d. Solder to 5v (there's no 5 v pin, so you have to solder to D5 on board reverse)

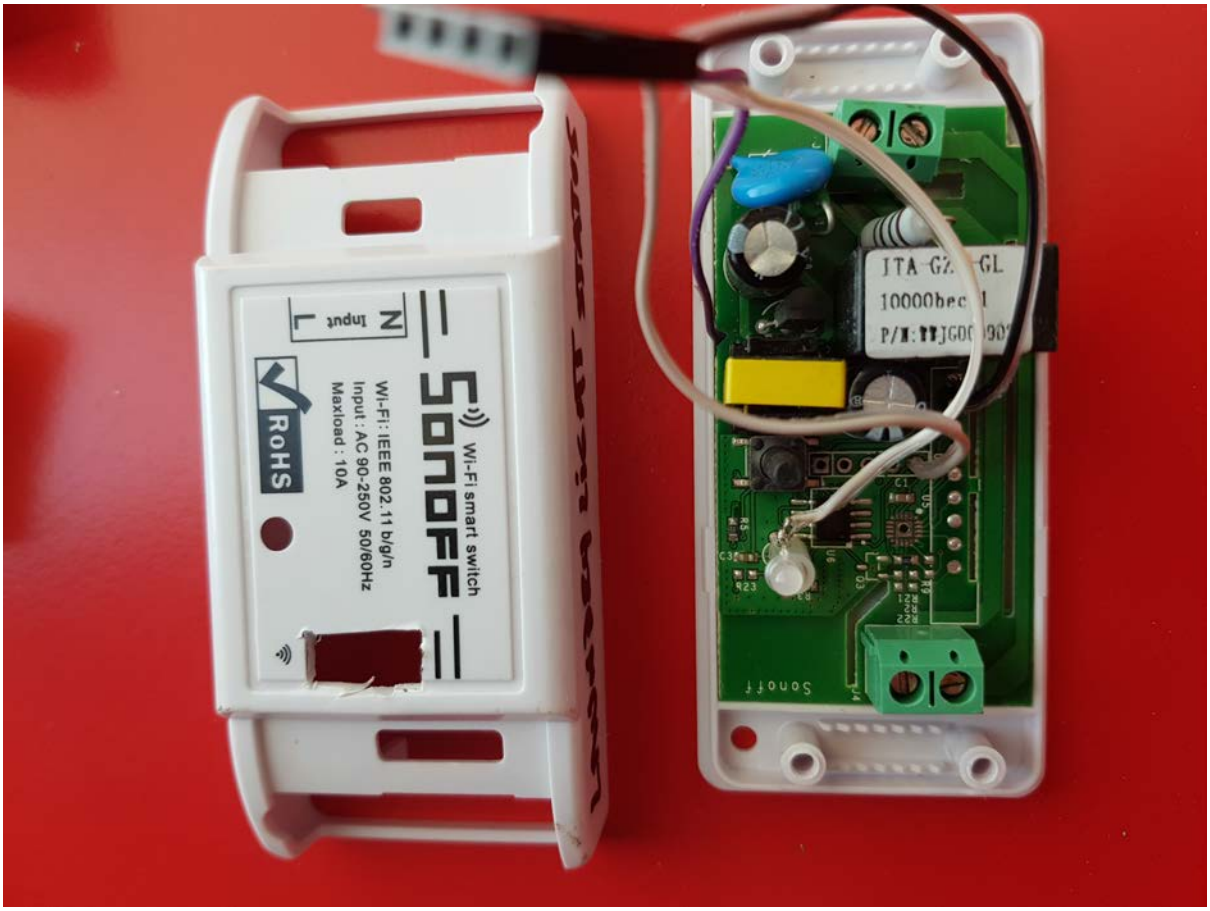
3. Connection:
    a. 5v to VCC
    b. Ground to Ground
    c. GPIO14 to trig
    d. GPIO13 to echo

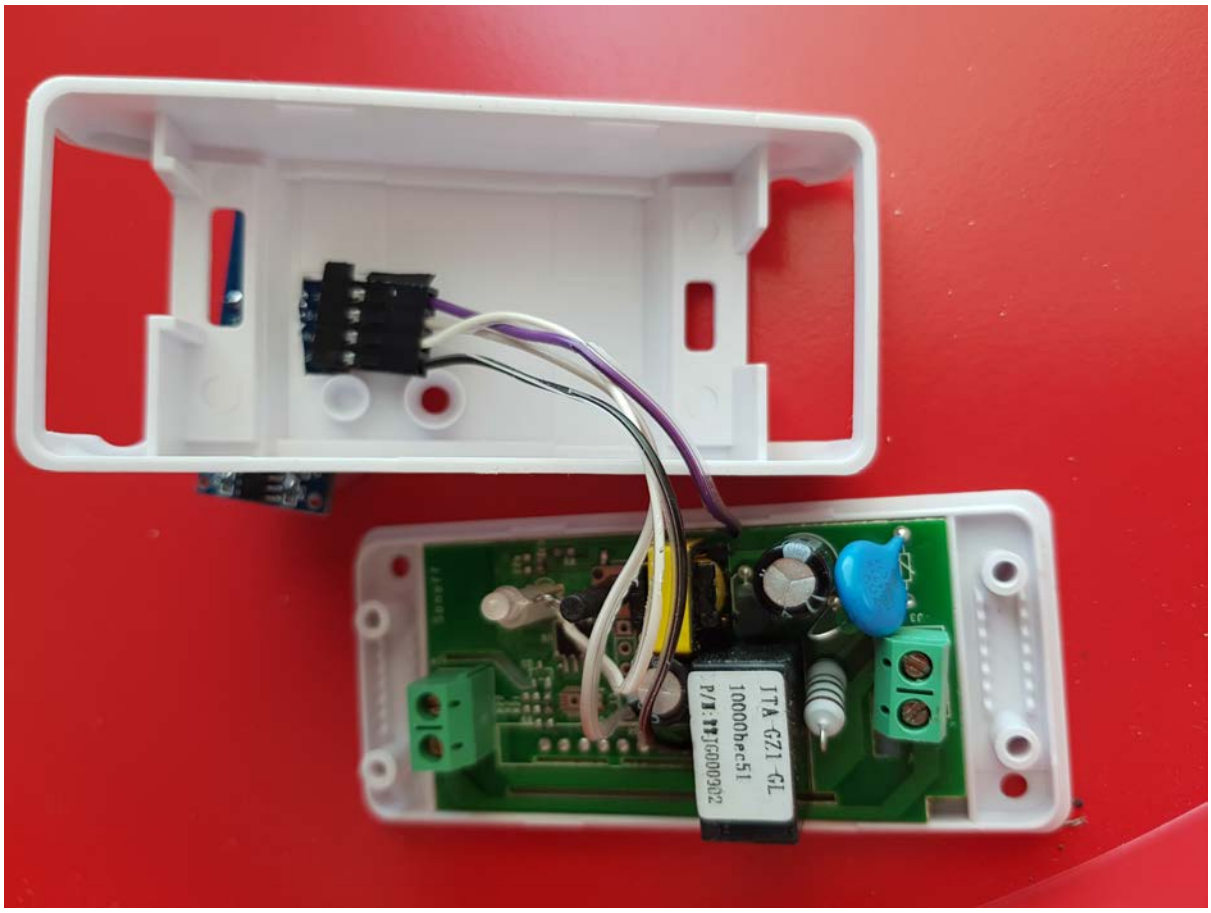

Sonoff

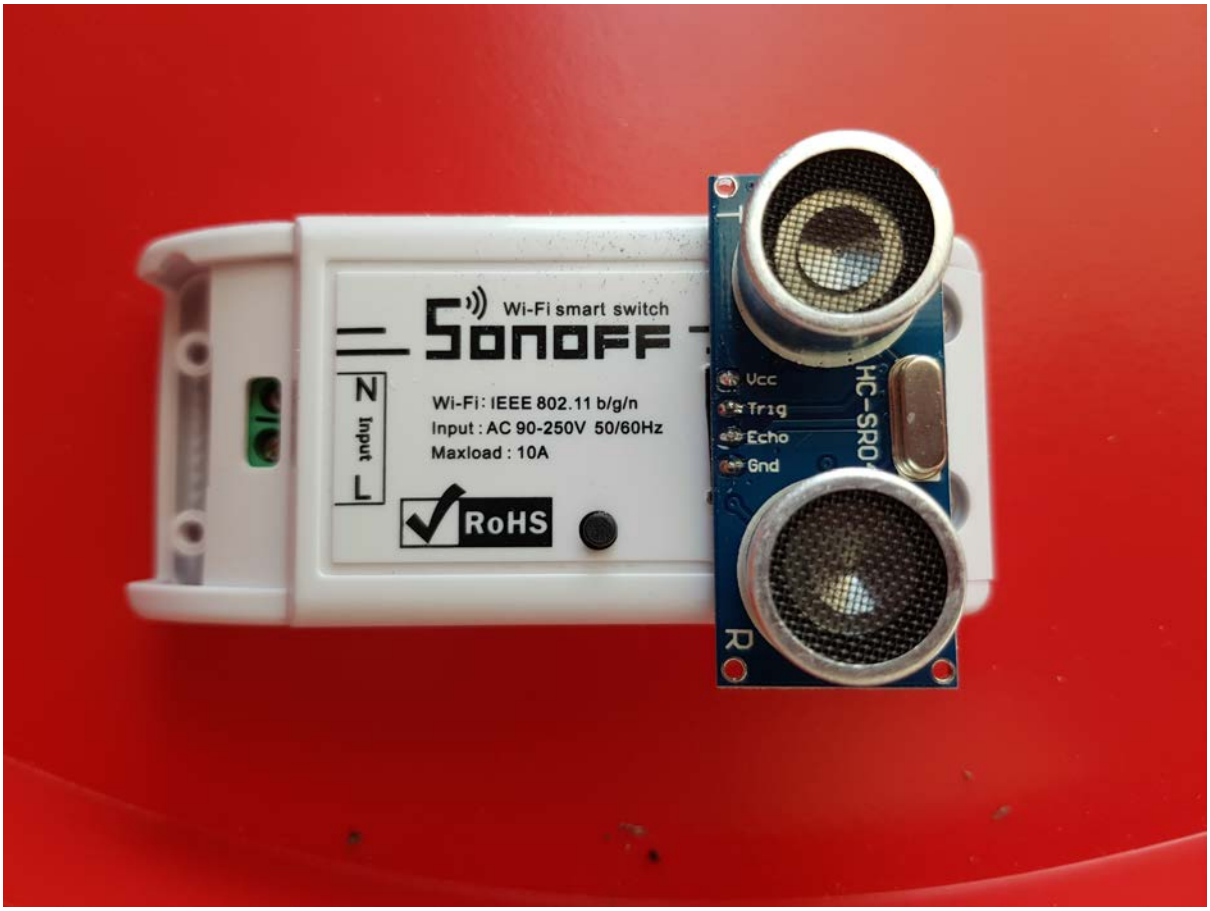

GPIO14
GPIO13
Ground
Sonoff

5v connection






JTA-GZ1-GL
10000bec51


Wi-Fi smart switch
SONOFF
N
Input
L
Wi-Fi: IEEE 802.11 b/g/n
Input : AC 90-250V 50/60Hz
Maxload : 10A
RoHS
Vcc
Trig
Echo
Gnd
HC-SR0
R