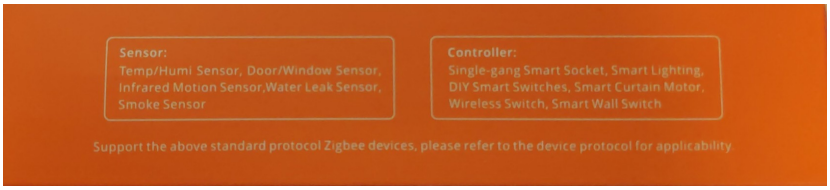
Sonoff ZBridge Pro

Hardware & Manuals

Packaging



Content

1x Quickstart Guide (quick_start_guide_zigbee_bridge_pro.pdf)

1x Reset Pin

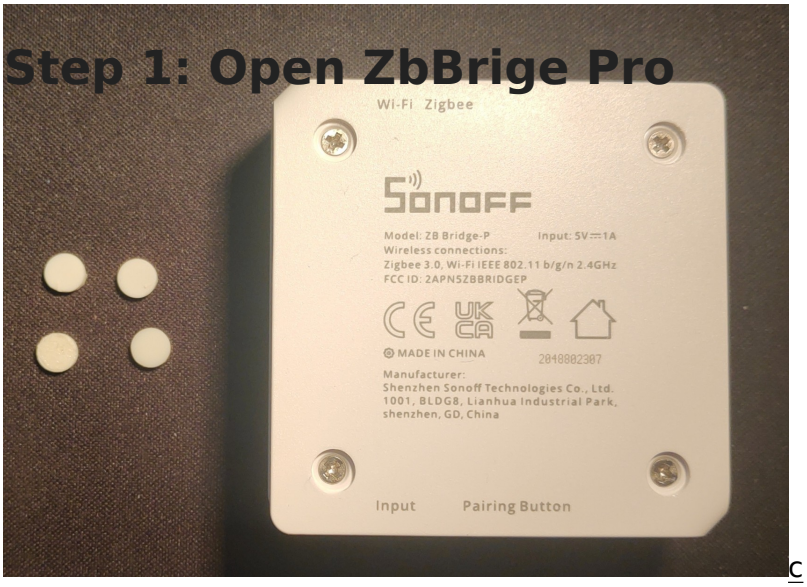
1x MicroUSB Cable

1x Sonoff ZigBee Bridge Pro

Manuals

- product_spezification_zigbee_bridge_pro.pdf
- user_manual_zigbee_bridge_pro.pdf

Flash Tasmota



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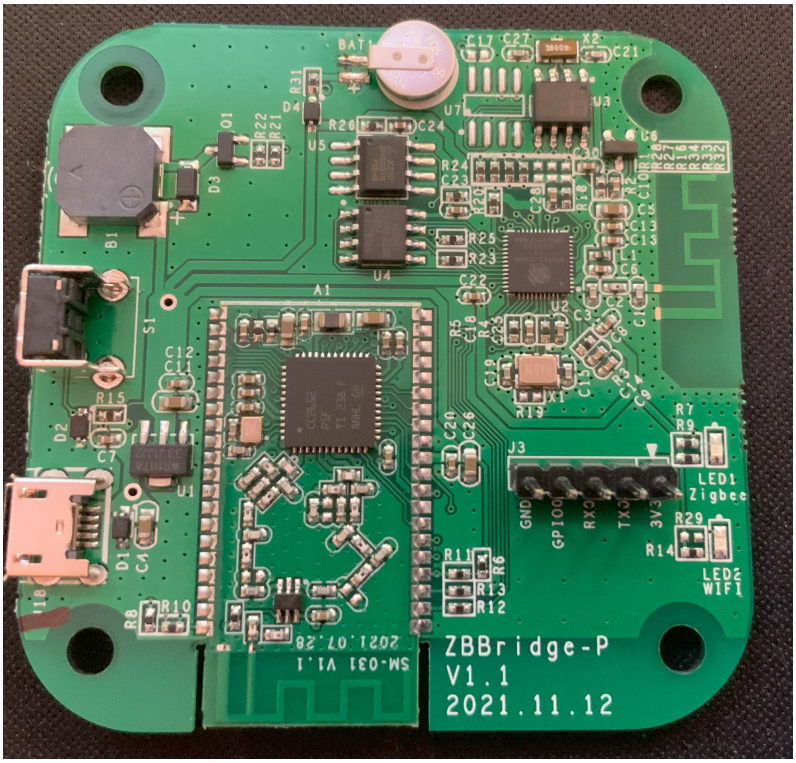
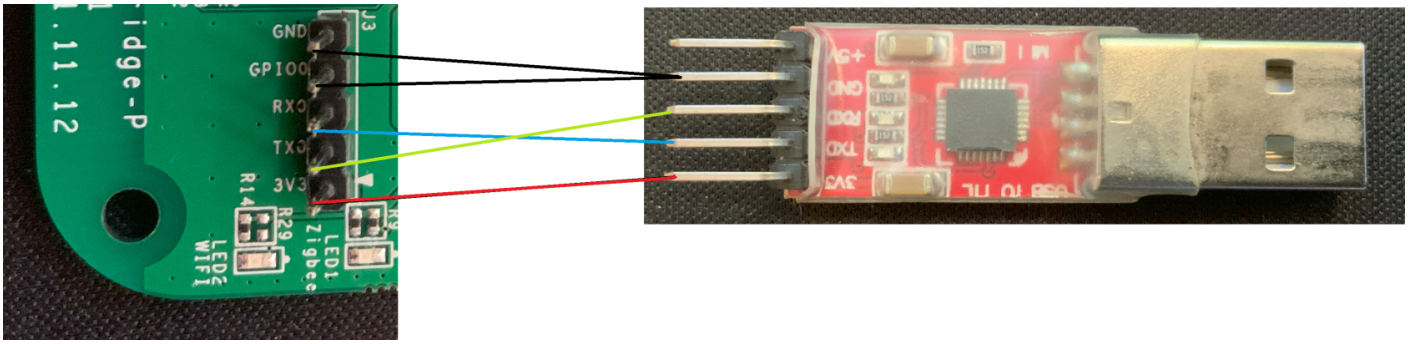
Remove the rubber feets by using e.g. a scalpel at the bottom and unscrew the 4 small phillips screws beneath.

Step 2: Prepare board



Solder 5 pins to the GND, GPIO0, RX,TX and 3V pinholes.

Step 3: Connect USB-to-TTL adapter

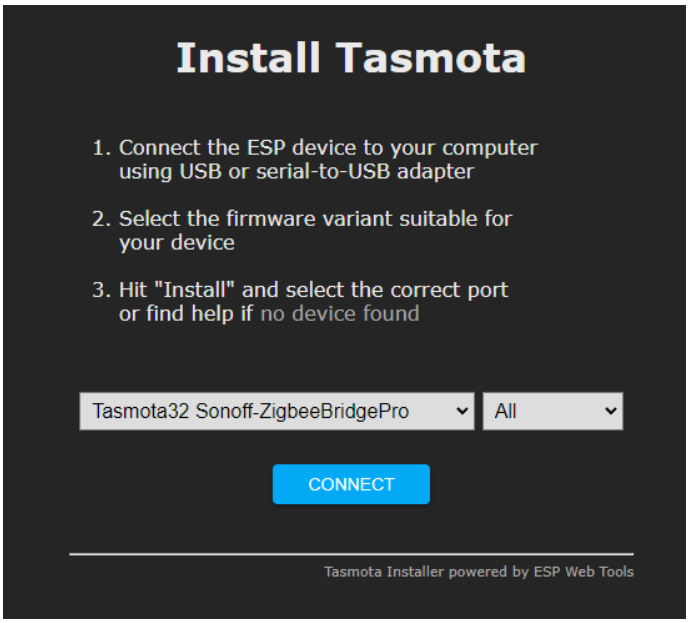


Connect using the following layout:

ZbBridge	USB-to-TTL adapter
3V3	3V3
TX	RX
RX	RX
GPIO0	GND
GND	GND

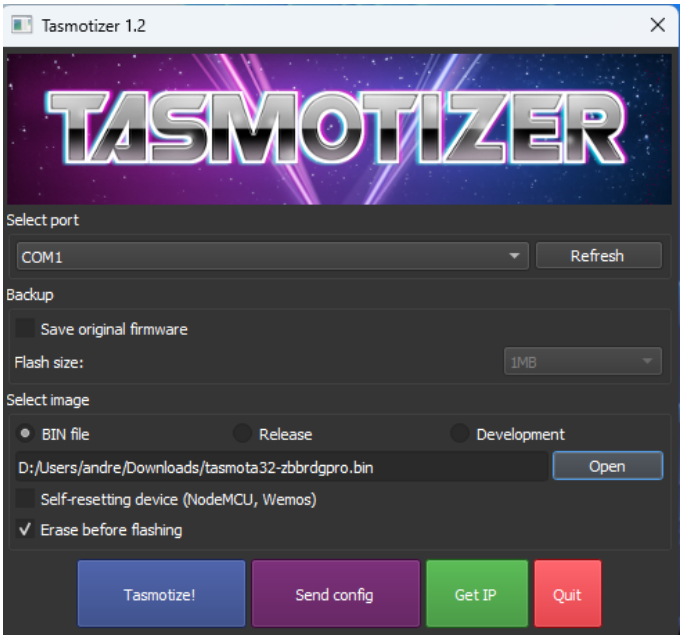
Step 4: Flash Tasmota

Option 1: Webinterface



Go to the Tasmota install website and select the options T**asmota32 Sonoff-ZigbeeBridgePro** and **All**, press connect and flash the firmware.

Option 2: Manual install via Tasmotizer (not verified)



Download the newest version of the Tasmota firmware for Zigbee Bridge Pro and flash using the Tasmotizer application (tasmotizer-1.2.exe).

(Used version at date of creation: tasmota32-zbbrdgpro.bin)

Step 5: Flash ZigBee Coordinator

Plug in the device and head over to the Tasmota web interface. Then continue to **Consoles** > **Berry Scripting console** and input the following to very the flash files for the ZigBee Coordinator chip:

```
import sonoff_zb_pro_flasher as cc
cc.load("SonoffZBPro_coord_20220219.hex")
cc.check()
```

After getting a positive verification response contine to flash with the following command:

```
cc.flash()
```

Now the Tasmota will become unresponsive for approximately 5 minutes, after that yet again a positive response should appear in the console (you might need to reload the website). Then restart the Tasmota device and head into the normal console, there should be messages regarding the ZigBee device now.

Step 6: Configure template

As a last step go to **Configuration** > **Auto configuration** and select and apply the **Sonoff ZBPro** configuration.

Credits

I followed Julian Decker's installation guide closely for the most parts, so have a look there if you need more detailed information.

Using Tasmota

Pair and name devices

Using the Tasmota web interface, press **Zigbee Permit Join** to allow new devices to be paired. Now you can pair your new device and it will show up in the list with a name like **0x8C19**. To more easily identify the devices later on, copy the name and head to the Tasmota console. Their use the following command to set a friendly name for the device.

```
ZbName 0x8C19,osram_bulb
```

Group devices

You can assign a group ID (default: 0) for each device to control multiple devices simulaneously.

```
ZbSend {"device":"osram_bulb","Send":{"AddGroup":100}}
```

Send values to devices

With the console you can also control your devices by sending values manually.

```
zbsend {"device":"0x96A2","send":{"power":true}}
```

Or control a whole group of devices.

```
zbsend {"group":"100","send":{"power":true}}
```

Device ID	Name	Group	Label
0x6CAD	aqara-rocker-switch-1-ZB	0	Aqara_Rocker_Switch_Zigbee
0x9685	osram_smartplus_bulb_1_ZB	100	1
0x452B	osram_smartplus_bulb_2_ZB	100	2
0x3679	osram_smartplus_bulb_3_ZB	100	3
0xC5E5	osram_smartplus_bulb_4_ZB	100	4

Rule1

on ZbReceived#?#Name do var1 %value% endon

on ZbReceived#?#Power do Publish stat/zbridge_pro/%var1%/power "%value%" endon

on ZbReceived#?#Dimmer do Publish stat/zbridge_pro/%var1%/dimmer "%value%" endon

Rule3

on ZbReceived#?#Name do var1 %value% endon

on ZbReceived#?#Click do publish stat/zbridge_pro/%var1%/click %value% endon

Current Setup

Device list

Device ID	Name	Group	Label
0x6CAD	aqara-rocker-switch-1-ZB	0	Aqara_Rocker_Switch_Zigbee

Tasmota Rules

```
Rule1
on ZbReceived#?#Name do var1 %value% endon
on ZbReceived#?#Power do Publish stat/zbridge_pro/%var1%/power "%value%" endon
on ZbReceived#?#Dimmer do Publish stat/zbridge_pro/%var1%/dimmer "%value%" endon



Rule3
on ZbReceived#?#Name do var1 %value% endon
on ZbReceived#?#Click do publish stat/zbridge_pro/%var1%/click %value% endon
```