Tasmota (Gosund SP111)

Web-UI

Nach dem Flashvorgang mit dem Tasmota WLAN verbinden, SSID-Name zb tasmota-1021. Danach die url

```
http://192.168.4.1
```

aufrufen und mit vorhandenem WLAN verbinden

Statische IP

In Tasmota Console statische IP-Adresse eingeben:

```
savedata 1
ipaddress1 192.168.1.50
savedata 0
```

Quelle: https://www.smarthome-tricks.de/esp8266/tasmota-feste-ip-adresse-zuweisen/

Gosund SP111 v1.1 Tasmota Template

unter Configuration > Configure Other bei Template eingeben:

```
{"NAME":"SP111 v1.1","GPIO":[56,0,158,0,132,134,0,0,131,17,0,21,0],"FLAG":0,"BASE":45}
```

unter Configuration > Configure Module das SP111 v1.1 auswählen.

Quelle: https://templates.blakadder.com/gosund_SP111_v1_1

MQTT senden bei Änderung der Leistungsmessung um 10%

Console > `PowerDelta 10`

Quelle: https://tasmota.github.io/docs/Commands/#powerdelta und https://github.com/arendst/Tasmota/discussions/14933

Energiemessung kalibrieren

https://tasmota.github.io/docs/Power-Monitoring-Calibration/#setup

Calibration Procedure

1. Verify the **Power** reading in the web UI (optionally with the power meter as well) for the expected wattage. Adjust the power offset if needed (in Watts):
   `PowerSet 60.0`
   If you're using something other than a 60W bulb, enter your load's power rating
2. Verify the **Voltage** reading. Adjust the voltage offset if needed (in Volts):
   `VoltageSet <voltage>`
   Replace `<voltage>` with your standard voltage or with reading on your multi-meter if you have one. Your voltage will vary depending on the electrical standards and your electrical grid
3. Verify the **Current** reading by calculating current value (amperage) using this formula: $P_{(W)}/V_{(V)}=I_{(A)}$. Adjust the current offset if needed (in milliAmps (mA=A*1000)):
   `CurrentSet <current>`
   Replace `<current>` with your calculated value (in milliAmps)

`CurrentSet` calculation:
P/V=I 1000 * Watts/Volts = milliAmperes

Example

1000*(60.0/235.5) = 254.777

1. Confirm the validity of your calibration process checking `Power Factor` from the web UI which should be as close as possible to `1.00`. In theory resistive loads will always provide a power factor of 1.00. If that is not the case, we recommend you repeat the calibration process and make sure everything was done correctly.

Tasmota Updaten

Beim Updaten folgende Reihenfolge der Versionen einhalten:

Upgrade Flow

v1.0.11 → **v3.9.22** → **v4.2.0** → **v5.14.0** → **v6.7.1** → **v7.2.0** → **v8.5.1** → **v9.1** → **Current release**

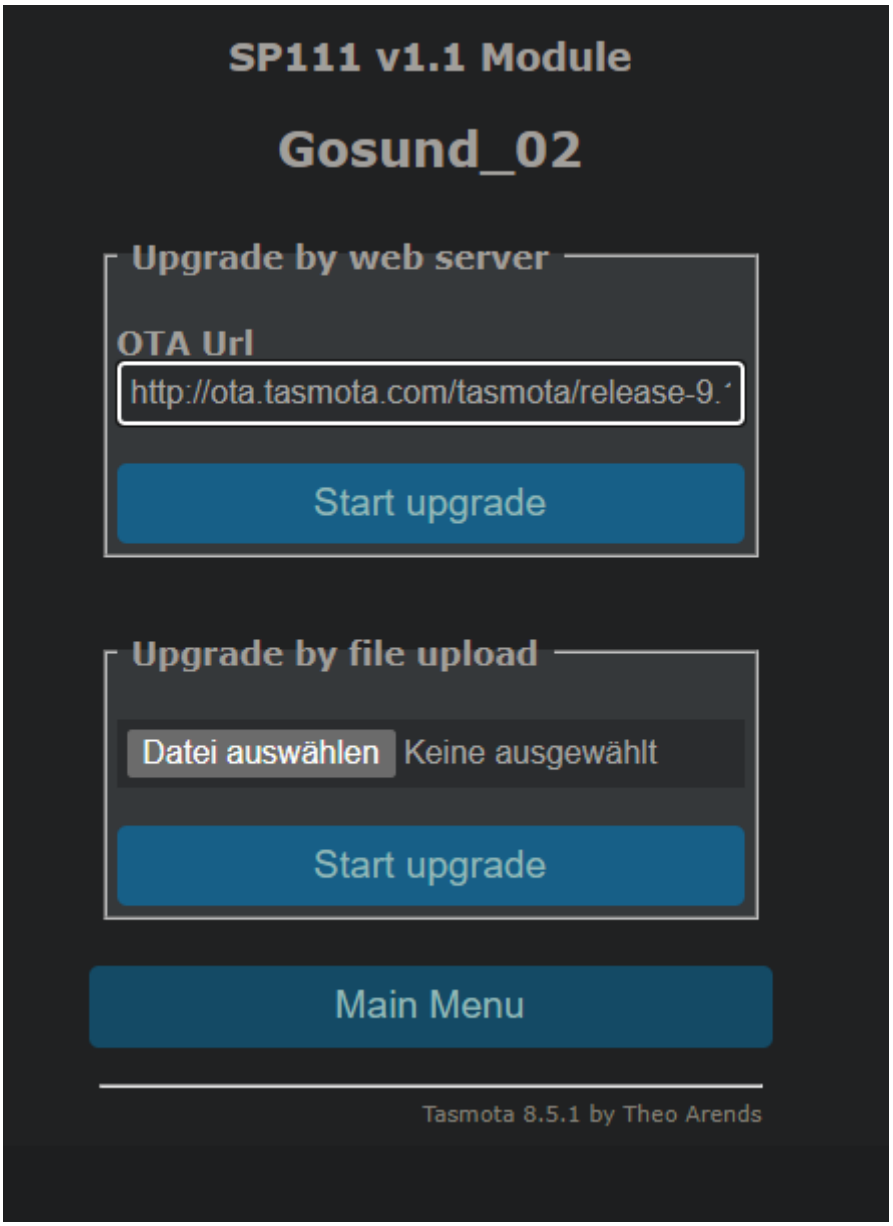
Links zum kopieren:

```
http://ota.tasmota.com/tasmota/release-7.2.0/tasmota-lite.bin
http://ota.tasmota.com/tasmota/release-8.5.1/tasmota-lite.bin
http://ota.tasmota.com/tasmota/release-9.1.0/tasmota-lite.bin.gz
http://ota.tasmota.com/tasmota/release/tasmota.bin.gz
```

Quelle: https://tasmota.github.io/docs/Upgrading/#upgrade-flow

Link der tasmota.bin kopieren und in die Web-UI unter Firmware Upgrade > OTA Url eintragen

zb:



start upgrade.

> BACKUP VON GOSUND_02 IM ANHANG DIESES EINTRAGS

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