

Verkabelung:

Skripte:

```
light_on.sh:  
#!/bin/bash  
gpio export 18 out  
gpio -g write 18 1
```

```
light_off.sh:  
#!/bin/bash  
gpio export 18 out  
gpio -g write 18 0
```

Skripte in /usr/local/bin/ speichern und ausführbar machen:

```
sudo chmod a+rx light_on.sh  
sudo chmod a+rx light_off.sh
```

Octoprint Config:

```
sudo nano /home/pi/.octoprint/config.yaml
```

Einfügen:

```
system:  
  actions:  
    - action: lon  
      command: light_on.sh  
      name: LightOn  
      confirm: Licht einschalten?  
    - action: loff  
      command: light_off.sh  
      name: LightOff  
      confirm: Licht ausschalten?
```

Quelle: <https://www.thingiverse.com/thing:1428478>

```
=====
```

Ausschalten per Taster:

Datei erstellen:

```
sudo nano listen-for-shutdown.py
```

Einfügen:

```
#!/usr/bin/env python
```

```
import RPi.GPIO as GPIO
import subprocess
```

```
GPIO.setmode(GPIO.BCM)
GPIO.setup(3, GPIO.IN, pull_up_down=GPIO.PUD_UP)
GPIO.wait_for_edge(3, GPIO.FALLING)
```

```
subprocess.call(['shutdown', '-h', 'now'], shell=False)
```

Nach /usr/local/bin bewegen und ausführbar machen:

```
sudo mv listen-for-shutdown.py /usr/local/bin/
sudo chmod +x /usr/local/bin/listen-for-shutdown.py
```

Weitere Datei erstellen:

```
sudo nano listen-for-shutdown.sh
```

Einfügen:

```
#!/bin/sh
```

```
### BEGIN INIT INFO
```

```
# Provides:          listen-for-shutdown.py
```

```
# Required-Start:    $remote_fs $syslog
```

```
# Required-Stop:     $remote_fs $syslog
```

```
# Default-Start:     2 3 4 5
```

```
# Default-Stop:      0 1 6
```

```
### END INIT INFO
```

```
# If you want a command to always run, put it here
```

```
# Carry out specific functions when asked to by the system
```

```
case "$1" in
```

```
start)
```

```
    echo "Starting listen-for-shutdown.py"
```

```
    /usr/local/bin/listen-for-shutdown.py &
```

```
    ;;
```

```
stop)
```

```
    echo "Stopping listen-for-shutdown.py"
```

```
    pkill -f /usr/local/bin/listen-for-shutdown.py
    ;;
*)
    echo "Usage: /etc/init.d/listen-for-shutdown.sh {start|
stop}"
    exit 1
    ;;
esac

exit 0
```

Nach /etc/init.d bewegen und ausführbar machen:

```
sudo mv listen-for-shutdown.sh /etc/init.d/
sudo chmod +x /etc/init.d/listen-for-shutdown.sh
```

Beim Start ausführen:

```
sudo update-rc.d listen-for-shutdown.sh defaults
```

Skript starten:

```
sudo /etc/init.d/listen-for-shutdown.sh start
```

Quelle: <https://howchoo.com/g/mwnlytk3zmm/how-to-add-a-power-button-to-your-raspberry-pi>

```
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```