



## Ultimaker 2+ mount with thread inserts for Rpi with voltage divider and relay

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### Summary

Designed to be used with M3 thread inserts.

[3D Printers](#) > [Accessories](#)

Tags: [thingiverse](#)

Modification of [this thing](#).

It is designed to be used with M3 thread inserts.

The holes of the Rpi were slightly too small for an M3 screw, so I had to drill it out to 3.2mm. I've set the drill to reverse to avoid tearing out the corners of the Rpi, it worked out great!

Instead of cutting out the large holes I used a honeycomb pattern just to try it out. I really like how it came out.

Parts used:

- Powersupply: [LM2596 Step-Down Buck converter](#)

- Relay: Wemos relay on a [Wemos Dual base](#) cut in half (to have the screw holes)
- Raspberry Pi 3 Model B v1.2

## Print Settings

### Printer Brand:

UltiMaker

### Printer:

[Ultimaker 2+](#)

### Rafts:

Doesn't Matter

### Supports:

Doesn't Matter

### Resolution:

0.20mm

### Infill:

100

**Filament:** [Colorfabb PLA PHA](#) white Post-Printing =====

I'm using [this OctoPrint plugin](#) to control the relay.

Category: 3D Printer Accessories

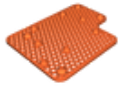
## This remix is based on



**Ultimaker 2 - Raspberry Pi 3 with relay and power support**

by subcamera

# Model files



mounting\_plate\_honeycomb\_v2.stl

[Find source .stl files on Thingiverse.com](#)

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