



# Clicky Portal Switch with IKEA Wireless Charger



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## Summary

This is a wireless phone charger in the portal design. It has a cheap IKEA LIVBOJ charger and keyboard switches inside.

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Tags: [portal](#) [charger](#) [wireless](#) [button](#) [keyswitch](#) [iq](#)

## Assembly

Assembly instructions are given in the [manual PDF file](#).

## Material

Apart from some filament, you will need the [IKEA LIVBOJ](#) (~5€) and two [low-profile key switches](#).

## Design

The ring units are printed with two color changes and the light blue highlights are painted.

## Inspiration

I was inspired to design this switch by the wonderful [Ellindsey's Companion Cube](#) model. So if you don't need to charge your phone, the Portal Switch is a good place to store your companion cube ;)

## Reference

<https://www.ikea.com/de/de/p/livboj-ladepad-schwarz-40447051/>

[https://mykeyboard.eu/catalogue/kailh-low-profile-choc-switches-white-10-pack\\_3218/](https://mykeyboard.eu/catalogue/kailh-low-profile-choc-switches-white-10-pack_3218/)

<https://www.thingiverse.com/thing:173570>

## Model files



**base.stl**



**button.stl**



**portal-button-v4.stl**



**portal-button-v5.stl**



**portal-button-v3.stl**



**portal-button-v6.stl**

# Other files

assembly-instructions.pdf

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