



## Knife Switch



MiniSumo

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### Summary

This was inspired by LoboCNC's Frankenstein Light Switch Plate: <http://www.thingiverse.com/thing:649284> Designed to...

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[Household](#) > [Other House Equipment](#)

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Tags: [frankenstein](#) [knifeswitch](#) [ukswitch](#)

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This was inspired by LoboCNC's Frankenstein Light Switch Plate: <http://www.thingiverse.com/thing:649284>

Designed to suit UK styles of light switches.

### Print Settings

#### Printer:

Creaty CR-7

#### Supports:

Yes

#### Notes:

The supports were required for the handle, all other shapes are self-supporting.

## How I Designed This

The measuring up is based around a Slim Profile 1 Gang Light Switch from Home Base, whilst "own brand" package the switch has "Folio" branding on the inside. The overall size was limited by the print bed... this is the biggest thing I've printed.

The switch piece is aimed at giving the opportunity for "tuning" for differing switch panels and profiles - the bodies appear to be similar.

The original design had a lip all the way around for securing under the switch, the notch was removed to allow the plate to be passed through without un-wiring the switch.

The Front and Back plates reasonably snap together for me but I've allow for a captive M3 screw to allow the plates to be more securely fastened together. In this case with a wing nut for looks ;)

## Assembly

Remove the screws holding the switch to the wall (take care live parts may be exposed - isolate the circuit at the fuse box).

Slip the switch through the back plate and re-secure to the wall. If you're using the M3 screws to secure the front and back place - fit the screws before fitting the back plate!

Clip on the Front Plate (secure fasteners if used)

Put Handle and Switch Piece in place and fit pin.

Note: If you're using a differing switch as the basis of your construction you may want to check dimensions or amend the switch piece to suit any differing profile.

Category: Household

## Model files



**backplate.stl**

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**rocker.stl**



**blade.stl**



**frontplate.stl**



**pin.stl**

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

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