



# Wireless LED Controller Enclosure



mdkendall

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## Summary

Enclosure for a NodeMCU v3 board with space for a connector to a strip of addressable LEDs. Powered via an external 5V...

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Enclosure for a NodeMCU v3 board with space for a connector to a strip of addressable LEDs. Powered via an external 5V USB supply. Suitable for powering LED strips up to about 1A.

The NodeMCU v3 board is fixed in to larger compartment with four self-tapping screws. The USB connector is exposed through a slot for connecting an external 5V power supply.

The wires of a standard 3-pin connector assembly (as often supplied with addressable LED strips) are connected to the board's VUSB, GND and D4 pins. The connector is positioned in the smaller compartment.

When an LED strip is plugged in the connector pair sits inside the compartment and is protected from the elements. The wires exit a slot on the side of the enclosure.

The enclosure lid is a snug fit and two clip features hold it in place.

Note: There are a few different sizes of "NodeMCU" boards. This suits the "Lolin NodeMCU V3" type which is 58mm x 31.5mm. Buy the type without pin headers fitted, or remove them.

Print with the flat sides against the bed, obviously.

Originally published on Thingiverse in July 2020 as <https://www.thingiverse.com/thing:4515152>

Category: Electronics

## Model files



**enclosure\_a.stl**



**enclosure\_b.stl**

[Find source .stl files on Thingiverse.com](https://www.thingiverse.com)

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