



Corded mod housing for Dremel 7700



Sanguium

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Summary

A mod to turn the cordless dremel 7700 into a corded one and forget about the battery.

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[multitool](#) [7700](#) [corded](#)

It's designed to fit m2 bolts into m2 heat-insert nuts fitted in the top part, so 6 m2x6 bolts are needed for the casing and another m2x4 + washer to hold the circuit in place. For the display 2 small screws were used.

For the clips two 2x20mm rods and some springs are needed (I used the springs from small alligator clips)

The thumbwheel needs a small 2mm rod of about 6mm to spin on and a thin sheet of metal or plastic to engage the potentiometer (this bit is not included in the model because it would be too thin and would break easily)

This is the circuit and display I used:

The circuit is a 5A step-down with the chip XL4005 and size ~43x21x14mm.

<https://www.aliexpress.com/item/32829570339.html>

The voltmeter should be around 23x10x7mm to fit in the slot, with the holes making it about 30mm long.

<https://www.banggood.com/0\28-Inch-2\5V-30V-Mini-Digital-Voltmeter-p-974258.html>

DISCLAIMER: While I'm using this setup just fine, I'm no electrician so I can't guarantee the safety of the electronics, make this at your own risk.

Print Settings

Supports:

Yes

Resolution:

.2mm

Infill:

8% gyroid

Model files



body_bottom.stl



body_top.stl



thumbwheel.stl



clip.stl

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

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