

Volume Pedal / Expression Pedal



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Summary

This pedal chassis and other printable components can be used to create any variable resistor (potentiometer) based...

[Hobby & Makers](#) > [Other Ideas](#)

Tags: [audio](#) [electricbass](#) [electricguitar](#) [electronics](#) [guitar](#)
[guitarpedal](#) [pedal](#)

This pedal chassis and other printable components can be used to create any variable resistor (potentiometer) based audio pedal. My primary objective was to just create an expression pedal that could be used in conjunction with my [Midi BLE Pedal](#), but I thought I'd add a few more ideas for a volume, or tone pedal.

Enjoy!

Volume Pedal Parts

- All Parts printed, including the Double 1/4" Mount Chassis
- 2 x 1/4" Mono Jacks
- 10K Potentiometer

TODO: Wiring diagram Tone Pedal Parts

- All Parts printed, including the Double 1/4" Mount Chassis
- 2 x 1/4" Mono Jacks
- 10K Potentiometer
- Tone Capacitor

TODO: Wiring diagram Wah or Other Passthrough Pedal Parts

- All Parts printed, including the Double 1/4" Mount Chassis
- 2 x 1/4" Mono Jacks
- 10K Potentiometer
- Wah, or other Sound Circuit

TODO: Wiring diagram Expression Pedal Parts

- All Parts printed, including the Single 1/4" Mount Chassis
- 1/4" Stereo Jack
- 10K Potentiometer

TODO: Wiring diagram General Parts List

- Potentiometer
 - 10K Ohm
 - 1/4" knurled shaft
 - Available from [Sayal](#) or [DigiKey](#)
- 1 x 1/4" Stereo Jack (for an expression pedal)
- 2 x 1/4" Mono Jacks (for a volume pedal, tone pedal, wah pedal, or any other pedal, where the wound passes through it via in/out)
- Tone Capacitor
 - TODO: specs

Note from the Creator

I strongly believe that things like this should be freely available on the internet, but I also believe that appreciation should be shown if you get use out of it, or find it useful. At the very least, click "like" on this project, and if you feel so inclined to make a small donation to the creator, please click the donate button below...

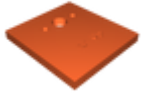
...thanks, and happy printing!!!

Category: DIY

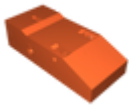
Model files



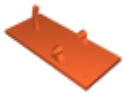
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pedal_-_potentiometer_insert.stl



pedal_chassis_-_double.stl



pedal_top.stl



pedal_-_hinge_rod.stl



pedal_top_push_pin.stl



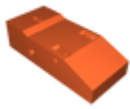
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pedal_top_grip_-_bullseye.stl



pedal_-_potentiometer_gear.stl



pedal_chassis_-_single.stl



pedal_chassis_-_bottom_lid.stl

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

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