

Deej Volume Mixer



Anefecious

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Summary

Deej is an open source volume mixer for windows and linux to individually control different applications' volumes

[Gadgets](#) > [Audio](#)

Tags: [music](#) [audio](#) [windows](#) [pc](#) [volume](#) [discord](#) [mixer](#)
[audiomixer](#) [spotify](#) [deej](#) [volumecontrol](#) [volumemixer](#)

Introducing a sleek and functional 3D printable case designed specifically for deej, an open-source volume mixer compatible with both Windows and Linux systems. This compact case accommodates five EC11 rotary encoders with push buttons, providing precise control over audio settings. Seamlessly integrating with an Arduino Pro Micro ATmega32U4, this case offers simplicity and efficiency in assembly, ensuring hassle-free setup. Elevate your audio experience with this customizable solution, perfect for enthusiasts seeking seamless control over their audio environment.

Printing Instructions:

***** Make sure to auto orient the files to print without supports*****

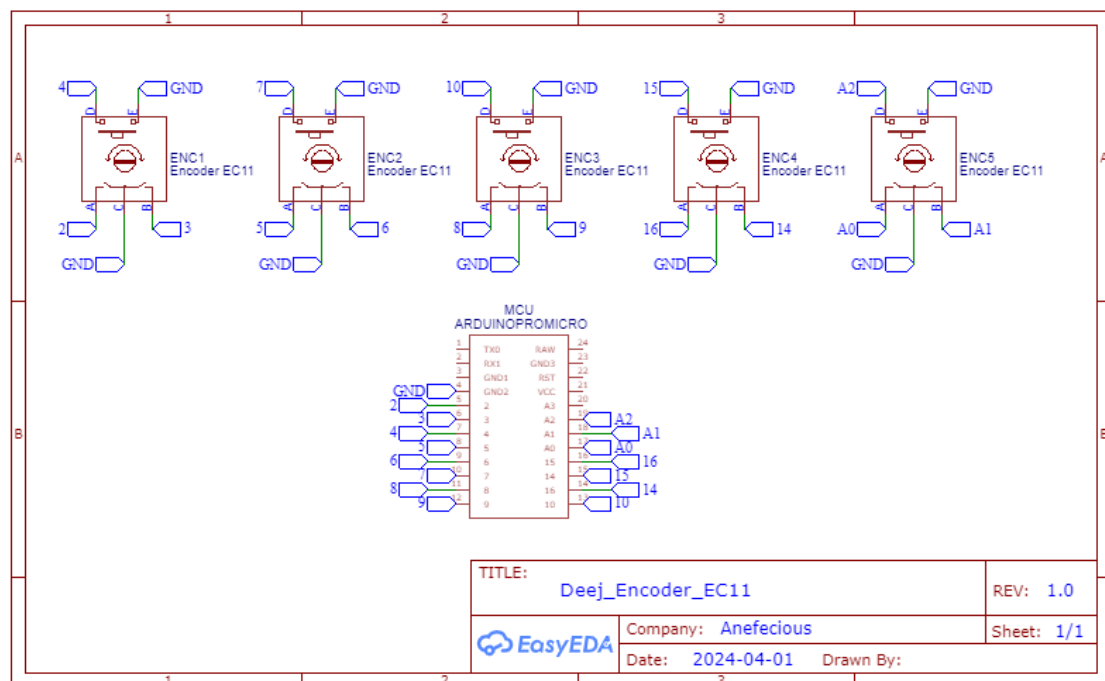
- Layer Height: 0.2 mm
- Supports: No
- Brim: No

- Raft: No
- Material: PLA (or any)

Hardware Required: Aliexpress links are not affiliated. Its just what I used to buy myself.

- EC11 Rotary encoders with push button x 5 - [Aliexpress](#)
- Arduino Pro Micro (AtMega32U4) x 1 - [Aliexpress](#)
- Tiny screws x 4 (whatever tiny screws you have lying around)

Connection Schematic:



Additional Notes and Coding:

- Connect the wires as shown in the schematic
- Connect the Pro Micro to the computer
- Open Deej_Encoder_code.ino code file provided in the resources with Arduino IDE
- Ensure the Arduino Micro board is selected in the Boards section with COM PORT listed there. **Make note of this COM port**
- In the IDE, under library manager, search for “Encoder” and install “Encoder by Paul Stoffregen”
- Verify the code
- Upload the code

Testing:

- Download deej.exe application and config.yaml from [Deej Github](#)
- Update config.yaml with the COM port saved above and also update the encoder functionality to your liking

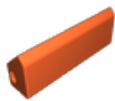
- Test
- Grofit

References:

- <https://github.com/omriharel/deej>
- https://github.com/SNR-Tech-Bytes/deej_encoder

Please Like and Comment. Thank you!

Model files



box.stl



top-plate.stl



encoder-knob-o-61mm-18mm-15mm-shaft.stl

Other files

schematic_diagram.pdf

deej_encoder_code.ino

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