

Dual Mono-Stereo Adapter

SUMMARY

Title

Dual Mono-Stereo Adapter

Subtitle

Adapter for connecting two mono switches to a single stereo input.

Overview

The Dual Mono-Stereo Adapter provides a way to connect two assistive switches with 3.5 mm / 1/8" mono cables to a single 3.5 mm / 1/8" stereo input on a compatible assistive technology device. This device is functionally equivalent to a 3.5 mm TRS to Dual 3.5 mm TSF Stereo Breakout Cable ([Amazon Link](#), ~\$16).

Usage

To use the Dual Mono-Stereo Adapter, connect the two assistive switches to the Left and Right Inputs on the adapter. Then use a stereo male-to-male audio cable to connect the adapter to the AT device's 3.5 mm stereo input.

This is also suitable for use with the [LipSync Switch Input Module](#).

Commercial Alternatives

This is equivalent a 3.5 mm TRS to Dual 3.5 mm TSF Stereo Breakout Cable ([Amazon Link](#)).

<https://cadanat.com/product/mono-to-stereo-adapter/>

Build Instructions

The Dual-Mono-Stereo Adapter consists of some electronic components and a 3D printed enclosure. Detailed build instructions can be found in the GitHub link.

Skills Required

- 3D Printing
- Soldering

Tools Required

- Soldering Iron
- Solder
- Wire Strippers

Components

- 1X 3D printed Case Top
- 1X 3D printed Case Bottom



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- 3X Stereo Jacks (<https://www.digikey.ca/en/products/detail/cui-inc/SJ1-3535NG/738699>)
- 4x 25 mm (1") lengths of wire

3D Printing

Print the top and bottom enclosure pieces following the 3D printing guide.

Attribution

Design by Makers Making Change

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Dual Mono-Stereo Switch Adapter

Links

MMC Device Library:

GitHub:

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