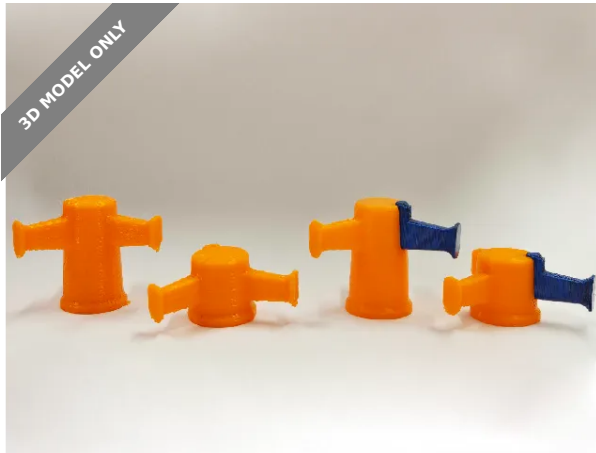




Inclusive Music Control Knobs - Adaptive Audio Equipment Knobs



TOMGLOBAL

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Summary

Ergonomic 3D-printed control knobs for audio equipment assisting users with limited finger mobility.

[Hobby & Makers](#) > [Music](#)

Tags: [knob](#) [music](#) [amplifier](#) [audio](#) [accessibility](#)
[synthesizer](#) [ergonomic](#) [adaptive](#) [assistive](#)

Overview

The **Inclusive Music Control Knobs** are ergonomic, 3D-printed adapter knobs designed to fit standard potentiometers and audio equipment controls (such as amplifiers, synthesizers, and mixers). They enable musicians and sound engineers with limited hand dexterity or grip strength to operate music gear comfortably.

Who is this for?

Designed for musicians, producers, and audio enthusiasts facing motor limitations, including:

Reduced fine motor control or finger strength

Tremors, arthritis, or hand injuries

Anyone needing larger, high-tactile control surfaces for audio gear

Purpose & Key Features

Enhanced Tactile Grip: Features extended levers or textured ridges to make turning knobs effortless.

Universal Audio Fit: Designed to fit standard D-shaft or ribbed audio equipment potentiometers.

Improved Accessibility: Promotes independence and ease of use in creative music environments.

Recommended Print Settings

Material: PETG or PLA (TPU can be used for extra non-slip grip)

Layer Height: 0.16 mm – 0.2 mm

Infill: 20% – 30%

Perimeters / Walls: 3 walls

Supports: No supports needed (print base down)

Printer Type: FDM Printer

Credits & Attribution

Original Project: Inclusive Music Control Knobs

Designed with: Tikkun Olam Makers (TOM)

Original Source: [TOM Global](<https://tomglobal.org/project/inclusive-music-control-knobs-6839ecc9fe165900123e9f1c>)

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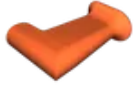


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Model files



shortknobsolid.stl



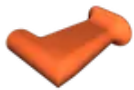
shortknob2piececonstruction_hand.stl



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