microm8 backplate for M5Stack Tab5

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VIEW IN BROWSER

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Summary

A custom backplate for the M5Stack Tab5 screen with an internal mount for a Teensy 4.1 running Dirtywave M8 Headless

Gadgets > Portable Devices

Tags: audio m8 m5stack dirtywave dirtywavem8 tab5

microm8 turns the battery-powered M5Stack Tab5 into a handheld interface for the Dirtywave M8 Headless, a powerful music tracker composition device.

This model is a new backplate for the Tab5, providing a snap-in mount for the M8 Headless's Teensy 4.1 controller board with enough room to wire it directly into the Tab5's USB-A port.

Some flexibility is required for the snap-in mount, so PETG is recommended. It's more pliable than PLA and less likely to break. It also holds up better under heat, which the Teensy can generate quite a bit of during a long songwriting session. Use a warm white filament for the best match to the Tab5 case. Pictured is Overture's standard White.

Print in the orientation it loads: outside surface against the build plate. Use small supports for the raised corners.

To learn more about the M8 and the microm8 project, and for wiring and assembly instructions, visit the microm8 GitHub repository: https://github.com/TomFrost/microm8

Model files

microm8-tab5-back-panel.step

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