



Polybar System - 3D Printed Guitar Controllers



Three Pieces Controllers

[VIEW IN BROWSER](#)

updated 14. 10. 2026 | published 14. 10. 2026

Summary

Build your very own guitar controller! - The Polybar System Join us on
Discord: <https://discord.gg/2qrFx3mj9F>

[Gadgets](#) > [Video Games](#)

Tags: [3d](#) [music](#) [micro](#) [mini](#) [small](#) [game](#) [gaming](#)
[poly](#) [printed](#) [rock](#) [modular](#) [hero](#) [guitar](#) [clone](#)
[ender](#) [arduino](#) [another](#) [yet](#) [controller](#) [road](#) [pro](#)
[side](#) [band](#) [community](#) [bomb](#) [5v](#) [clonehero](#) [rhythm](#)
[polybar](#) [minibar](#) [yetanotherrrhythmgame](#) [roadsidebomb](#)
[yarg](#)

We are currently in the final stretch of development for the final version of the Polybar System.

If you have purchased a solderless kit or a DIY kit, [please download the Beta 2 files located on our Discord server.](#)

3D Printable Music Game Controllers!

The Polybar System, by Three Pieces Controllers, is a modular 3D printable guitar controller for music games like YARG, Clone Hero, and others.

Make sure you download the ZIP file at the bottom of the page! It contains an organized file structure with readme files to help you get started.

You can now easily order your own PCBs for the Polybar System from PCBWay!

[Click here to order your own Polybar Fret PCBs.](#)

[Click here to order your own Polybar Strum PCBs.](#)

Share your makes on the Printables page! We love to see the amazing builds that the community creates. Remix accessories and mods are always welcome as well!

Discord

For extra resources, such as the component shopping list, join our Discord server! We'd be happy to help if you need assistance with your controller build or firmware.

Join us on [Discord](#)!

Buy a Controller or Solderless Kit

Don't want to buy all of the parts yourself?

You can find complete controllers, solderless kits, and accessories from our official store, and our worldwide partner vendors.

[Official Three Pieces Controllers Shop](#) United States

[Foucault Customs](#) Brazil

[RKNZ](#) New Zealand & Australia

[Triple Dee](#) United Kingdom & Europe

[Pier Printed Products](#) United States

Credits

roadsidebomb - Creator

Pits - Handwire Model Development

GetRektRyan - PCB Design and Wireless Support

Moose - Build Guide Design

PossumOG - PCB Assembly Design

MerakiG23 - Animations and Renders
HeuristicBishop - PCB Design
ptigad - Model Design

See you on the stage!

Model files



polybar-max-example.stl

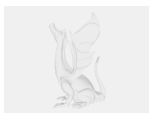


polybar-mini-example.stl

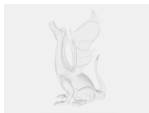


polybar-micro-example.stl

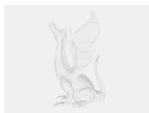
Other files



polybar-system-build-guide.pdf



polybar-system-handwire-build-guide.pdf



polybar-system-model-files.zip

License

This work is licensed under a
Creative Commons (4.0 International License)



Attribution—Noncommercial—Share Alike

- ✗ | Sharing without ATTRIBUTION
- ✓ | Remix Culture allowed
- ✗ | Commercial Use
- ✗ | Free Cultural Works
- ✗ | Meets Open Definition