



The Framework 13 Gaming Handheld



TommyB

[VIEW IN BROWSER](#)

updated 20. 5. 2024 | published 20. 5. 2024

Summary

Here is my version of a handheld gaming device based on the framework 13 motherboard.

[Gadgets](#) > [Portable Devices](#)

Tags: [gaming](#) [framework](#) [steamdeck](#)

Here it is! If you seen my previous video you have probably been waiting for this. I will have to warn you guys though, this is not an easy project. I cannot provide technical support if you try to make this and have issues. This is a very technical project that is not catered for beginners. I will work on iterating this design to be a bit more friendly but for now, build at you own risk.

I have also provided all of my project files! Please feel free to remix and change as you see fit. If you do please share! (you are not required to share but it would be cool to see what you guys can come up with)

All of the parts should be printed in ABS or other heat resistant material unless otherwise noted.

Parts list(these are not affiliate links btw):

[Framework 13 Motherboard](#)(you can use whichever one but I used this one)

Framework Battery

Framework HDMI adapter

Framework WIFI Card

Framework WIFI Antenna

Framework Speakers

RAM I used (You can use whatever you want though)

SSD I used (You can use whatever you want though)

Waveshare 8" Screen

Gateron Low Profile Switches

Gateron Banana

Hall Effect Joystick

Joystick Tops(you can use whatever you want)

HDMI FPC Cable

Waveshare RP2040-Zero

90 Degree USB C Adapter

M3 screw kit(this has all of the screws I needed)

Heat Set Inserts

Youtube Videos:

First Video

Second Video

Model files



Buttons

8 files



left-bumper.stl



button-8mm-xbox.stl



button.stl



button-8mm-start-select.stl



right-bumper.stl



right-trigger.stl



left-trigger.stl



dpad-button.stl



Rounded Buttons (Harder to print)

8 files



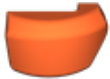
left-trigger-1.stl



button-8mm-start-select-1.stl



trigger-right-1.stl



right-bumper-1.stl



button-1.stl



dpad-button-1.stl



left-bumper-1.stl

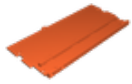


button-8mm-xbox-1.stl



Case

5 files



battery-sled.stl



screen-mount.stl



back-case.stl



front-case.stl



speaker-holder.stl



Controller Mounts

4 files



tigger-bumper-mount-right.stl



joystick-mount-left.stl



joystick-mount-right.stl



tigger-bumper-mount-left.stl



Thumbstick Rings (Print these in PLA or Nylon if you can)

5 files



thumbstick-ring-octo-removable-v2-5.stl

☐ PLA has a low coefficient of Friction



thumbstick-ring-octo-removable-v2-5.stl

☐ PLA has a low coefficient of Friction



thumbstick-ring-octo-removable-v2-0.stl

☐ PLA has a low coefficient of Friction



thumbstick-ring-removable.stl

☐ PLA has a low coefficient of Friction



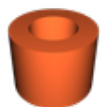
tool.stl

☐ PLA has a low coefficient of Friction



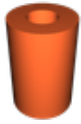
Standoffs

3 files



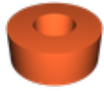
standoff-motherboard-x-5.stl

☐ Print 5 of these



side-standoff-x-2.stl

☐ Print 2 of these



corner-standoff-x-2.stl

☐ Print 2 of these



Fusion 360 Project + Step + 3mf File

3 files

framework-handheld-final.f3d

framework-handheld-final.step



framework-handheld-final.3mf

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