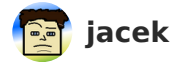




Case for 5" LCD AXY070



jacek

[VIEW IN BROWSER](#)

updated 9. 2. 2022 | published 9. 2. 2022

Summary

A simple case for the cheap 5" LCD I found on aliexpress

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

Tags: [case](#) [lcd](#) [hdmi](#) [5inch](#)

I found a relatively cheap 5" LCD on Aliexpress

(Link to product: <https://www.aliexpress.com/item/4001197186380.html>)

It looks fine, although it is not perfect.

So far I observed few problems with it:

- Screen flicker very badly for few seconds after powering on (afterwards the image is clear)
- Relatively huge power draw, up to 1A @5V → not SO great for mobile projects
- Sometimes can't detect signal - need to unplug the HDMI connector and plug again

I was worried about the thin ribbon cable so I designed the case right after getting it. Might think about upgrades/new cases/other projects with this LCD in the future.

Instructions:

No supports needed, infill/layer height up to your liking (0.3 will work fine), maybe use more perimeters for the screw holes.

Use short M3 screws to mount the PCB to the adapter, then use bit longer M3 screws to mount the adapter to the front part of the case.

Use two M3 screws to mounng the OSD Keyboard to the back of the case, then carefully assemble both parts together (you guessed - with more M3 screws).

Watch out for the OSD cable, might need to carefully bend it and lay in free space, if will push back of the case if it gets between the back cover and PCB.

Model files



front_v3.stl



adapter_v3.stl



back_v3.stl

License ©

This work is licensed under a
[Creative Commons \(4.0 International License\)](#)

Attribution-NonCommercial



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