



## raspberry pi 5/4/3 case/flightradar24 box



zac

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### Summary

A case/box for a pi 5/4/3 or any credit card sized sbc, made for the intent of using with flightradar24

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[flightradar24](#) [flightradar](#) [openwebrx](#) [pi5](#)

i've tested all the dimensions, and i've got a few pro tips to share: make sure to grab a 90 degree usb adapter for the usb extender, and note that the usbc port might be a bit smaller than expected although i think i've fixed the issue since i noticed it on the first print.

i designed this snap-lock box to fit a raspberry pi 5 and rtl-sdr module, with a custom top shell designed to fit a waveshare 3.5" touchscreen lcd. just a heads up, you'll need to get familiar with hot glue to assemble the case, since i didn't include screw stubs my bad. also, a word of warning: you'll need to supply your own screen, unfortunately. in my enthusiasm to share this project, i made a rookie mistake - while transferring the screen out, i accidentally spilled 99% isopropyl alcohol into the touchscreen panel, which promptly stopped working. so, consider this a cautionary tale, and make sure to handle your screen with care.

i did test the screen on the case, and it's an exact fit, so you can have confidence that your screen will fit snugly. the model is set up for multicolor 3d printing, and it's a great way to add some visual interest to your project. plus, you can use it with any sdr program you like - not just flightradar24. want to track aircraft with adsbexchange? or maybe you're into decoding satellite signals with sdr-console? this enclosure is designed to be flexible and adaptable to your needs.

but that's not all - you can also use this setup as a mini openwebrr machine, and host your own sdr server to share with the world. imagine being able to tune into air traffic control, meteorological radar, or even amateur radio signals from anywhere, and share that access with others. this little enclosure can help make that a reality.

i made this enclosure specifically for drone enthusiasts who want to take their rtl-sdr setup on the go. whether you're flying fpv, tracking air traffic to ensure safe flight operations, monitoring weather patterns for better flight planning, or just want to geek out on some amateur radio signals, this case is designed to be portable and easy to use. for example, you can use it to track nearby planes and helicopters, monitor ADS-B signals, or even tune into local emergency services - all from the convenience of a compact, handheld unit.

## This remix is based on



### SnapLock Storage Boxes

by Hugo

## Model files



### top-flightradar24.stl


☐ has an embedded flightradar24 logo, still a regular top if printed with one color



### bottom.stl



**snap-lock.stl**

 print 2

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