Steam Frame USB Hub Mount and top strap adapters

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VIEW IN BROWSER

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Summary

A USB hub mount and top strap adapter for the Steam Frame.

Gadgets > Virtual Reality

Tags: mount steam usb strap hub headstrap steamframe

This model adds support for mounting a small USB hub that has served me well on my iPad, Macbook, and Steam Deck for a few years now. This hub felt like the perfect fit for the headset as it has AUX, and extra SD card slot, 3 USB A ports, a USB C port, and USB C PD. Personally, I don't think the steam frame needs a top strap for comfort. However a top strap is an excellent location to mount batteries too. Here is the updated version of the battery pack I am using.
HUB TESTING:
I have confirmed that this particular HUB works with both USB and AUX audio. The USB does work with some of my keyboards, though it did not like my dedicated EPOMAKER numpad for some reason so I will assume that is a bug with the software. I tested known working external SSDs and SD cards. They currently do not show up in both in the SteamOS storage settings and in desktop mode. As this hub does work for those usecases on the Steam Deck, I will also assume this is currently limited by the OS.
REMIX CHANGES:

First I widened the strap slots so I could reuse my old Quest 2 top strap. Note that if you go down this route you will need to cut the strap to remove it. As I have a better strap for that headset I had no qualms with this approach.
Secondly, I added on the hub enclosure. It is a snug fit requiring a screwdriver to assist with pushing it back out otherwise the internals may pop out of the aluminum shell. Depending on your tolerances, you may need to alter the file to give it some more wiggle room.
Here are my amateur project files in TinkerCAD if you need to modify the STL to fit your needs.

This remix is based on

Steam Frame - DIY Top Strap (2 clips + webbing)
by sune-ku

Model files

steam-frame-usb-hub-enclosure.stl

steam-frame-usb-hub-enclosure-no-logo.stl

steam-frame-usb-hub-enclosure-standard-clip.stl

steam-frame-usb-hub-enclosure-wide-clip.stl

☐ use this if you plan on attaching the front of the strap with buttons

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