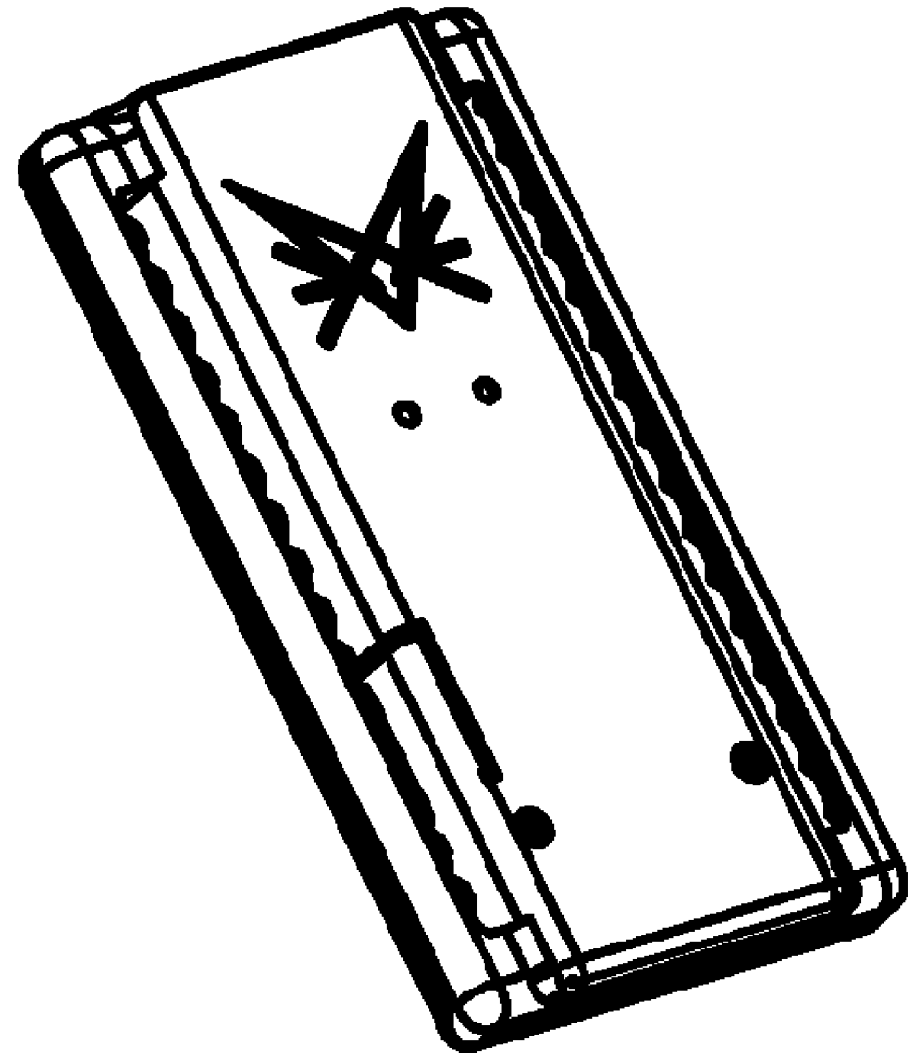


Macroplastics ✖

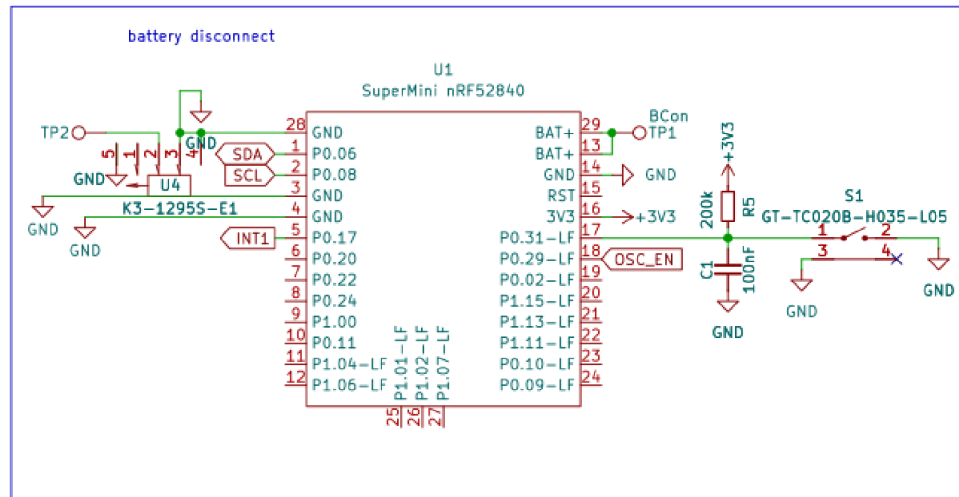
MP-S-4.4.x

User Manual

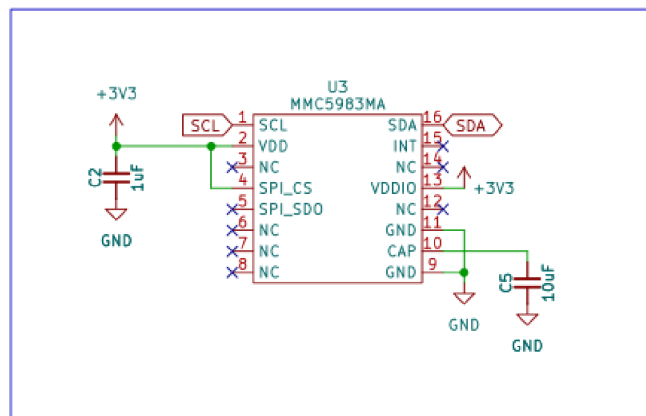


Product Diagram

MCU



MAG



Electronics Tray

Tray Pin Ejectors

Side Button

SW0

Status LED

Charge LED

Electronics Ejectors

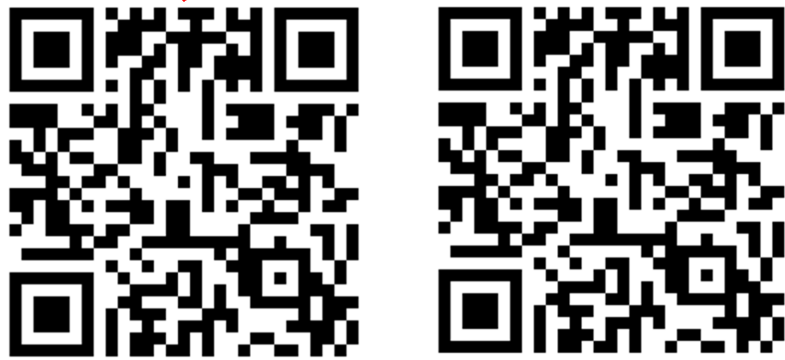
USB C Port

Attributions

i didnt make the WHOLE thing...

Firmware

github.com/SlimeVR/SlimeVR-Tracker-nRF



My PCB is based off Sctanf's slimenrf r3
github.com/SlimeVR/SlimeVR-Tracker-nRF-PCB

**And a huge thanks to everyone who
has worked on the SlimeVR project.**

You can find all files for these on Github
<https://github.com/Zipra1/SlimeNRF-Fuimini>
this one i did make ^w^

includes most recent
manual version, in
case this gets lost
or damaged.



Setup Guide

Installation

1. Download the SlimeVR
Server at:
slimevr.dev/download
2. Launch the installer, install the
SlimeVR Server, then launch it
3. Install the SlimeVR driver into
SteamVR:
 - Start SteamVR, go to Settings
Manage Add-Ons
 - Enable the SlimeVR Addon
 - Restart SteamVR
4. Plug the Dongle into your
computer.
5. Press the side button on the
trackers to turn them on. They
should be paired already.
6. Done! Your trackers should
appear in SlimeVR.

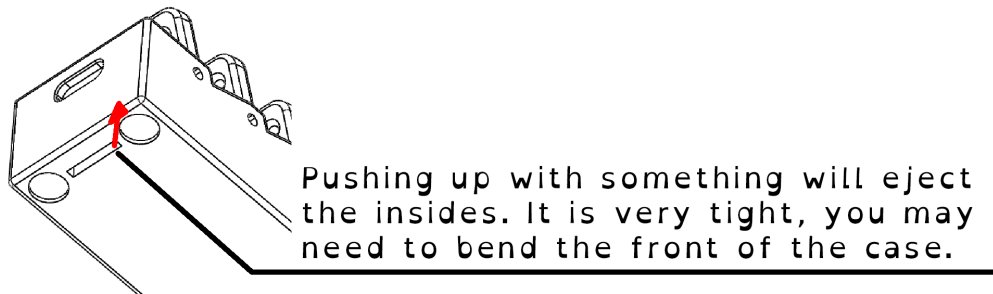
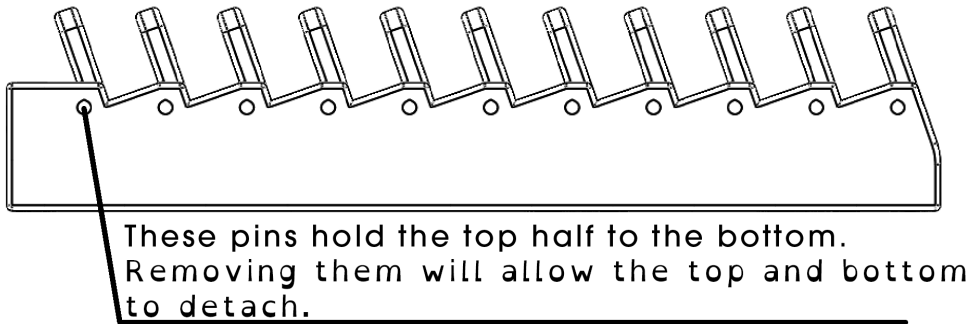
Dock

screwdriver required

Dock comes with 2 drywall screws. Due to the weight of a fully loaded dock, it can't be mounted with sticky strips.

I recommend lining it up by placing a piece of paper over the mounting holes and scribbling over it with a pencil. That will leave a perfect image of the mounting holes, and you can line up the screws on your wall perfectly.

Disassembly



Setup Guide

Using your trackers

Alignment

Put your headset on and launch both the SlimeVR Server and SteamVR. You should see the Trackers appear in SteamVR as Vive trackers.

Stand up and look forward. Keep your feet in line with your shoulders and pointed forward. Triple-tap your left thigh tracker to full reset. You will hear a jingle from the SlimeVR Server.

If it won't activate, you may need to increase the "Trackers over threshold" value in the SlimeVR Server settings, or you can manually press the "Full Reset" button in the SlimeVR Server Home screen. Do this at the start of every VR session.

You should now be able to use your trackers in games! Keep in mind that getting the alignment perfect is a bit of a skill.

Yaw Resetting

Because these are IMU-based trackers, they drift over time. Your drift times (the time it takes until the drift is noticeable) will vary on the tracker type you ordered and your environment.

To reset the drift, you have to Yaw Reset. Double tap the chest tracker, or press the button in the SlimeVR Server.

Disassembly

I hope this is just for fun.

To disassemble, you will need a small metal object to poke and some pieces of filament. Filament cutoffs are included with trackers, as disassembly tools and replacement tray pins.

A paperclip or SIM ejector works well.

Insert the metal tool into the Tray Pin Ejectors on the front of the tracker. This will poke a hole through the plastic here as it is purposefully very thin here. The Electronics Tray Pins will pop out of the back, grab them and pull them out.

Use the same tool to push upward on the Electronics Tray Ejector. Grab it and pull it out.

Insert a short filament piece into the Electronics Ejectors by the USB C port.

This will take some force, but be sure to keep it PARALLEL to the side of the tracker, or you risk damaging it. Once that is inserted, take a longer filament piece and push on the other side. Grab the black PCB and pull.

If you need help, please contact me via Discord or Email.

Email: fui@macroplastics.ca

Discord: [fui__](#)

Button Guide

HOW DO I TURN THIS THING OFF?!?!?

Reboot/Power-on 1 press

Calibrate 2 presses

Be sure to hold it against a stable surface during calibration. It cannot move!

Pair 3 presses

Receiver must also be in pairing mode.

Or press & hold while plugged in

Update mode 4 presses

Did it by accident? Reboot using battery disconnect switch (or just update it)

Shut down Press and hold

Exposed lithium batteries can be dangerous.
I am not responsible for whatever you do once it's open.

I am not responsible for whatever you do once it's open.
Do not disassemble unless you know what you're doing.