

Thank you for your
purchase! If you have
any questions, you can
email me at:

fui@macroplastics.ca

or dm me on discord:

[fui_--](#)



discord.gg/vpxShmUSXH

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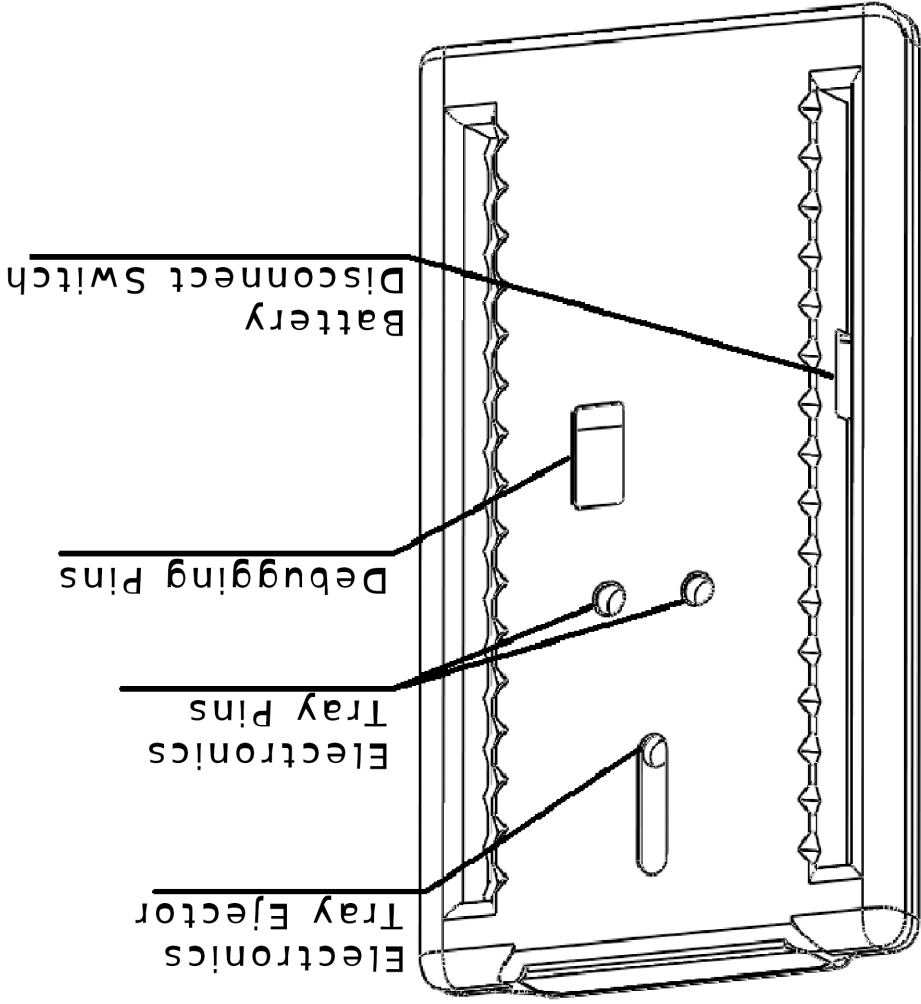
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more manuals need colouring pages



Product Diagram

This side goes against your body.



Maintenance

Keep your trackers happy

"ZRO" calibration should be done frequently, ideally before each session (but once every couple weeks is just fine)
To calibrate, hold your tracker against a flat & stable surface, then double-press the side button. Make sure it doesn't move. The light will hold solid while calibrating, then blink a few times when finished.

Straps can be damaged by high temperatures. Make sure to wash only with warm (not hot) or colder water. Do not machine dry: dryers are too hot. Air drying is preferable.

Pin defines what are you doing.

SW0	0.31
clk-gpios	0.29
led-gpios	0.15
int0-gpios	0.17
SDA	0.6
SCL	0.8

Setup Guide

Pre-flight checks

Calibration should be performed upon receiving your trackers, since it's likely been a while since their last calibration.

1. Press tracker against a flat, stable surface.

2. Double-press the side button. Make sure it doesn't move!

3. The light will hold red for a few seconds, then flash.

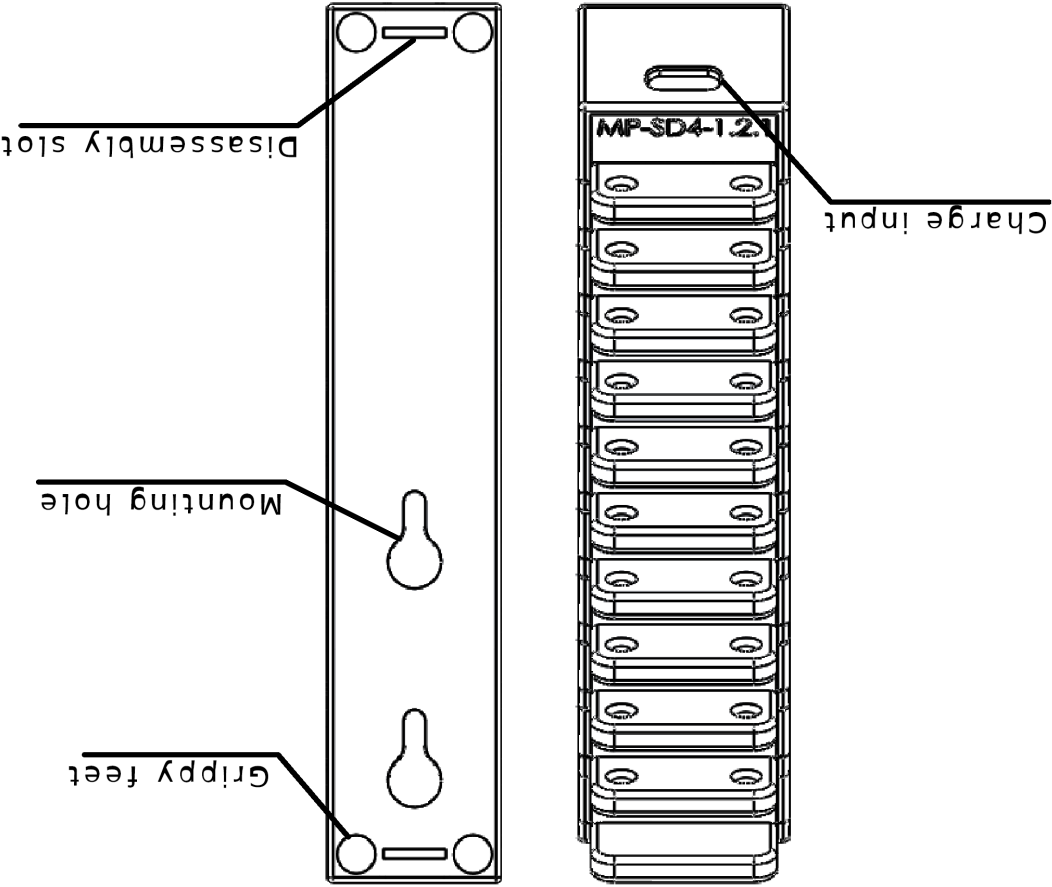
4. Calibration complete, now repeat for all other trackers.

Calibration should be done every week or so. See the Maintenance page for more info.

Dock

do you have one yet?

Trackers can plug in in either direction. Charging brick should be rated for 0.1A/100mA per tracker ie. 10 trackers = 1A brick



Setup Guide

Using your trackers

Alignment

Put your headset on and launch both the SlimVR 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 SlimVR Server.

If it won't activate, you may need to increase the "Trackers over threshold" value in the SlimVR Server settings, or you can manually press the "Full Reset" button in the SlimVR 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

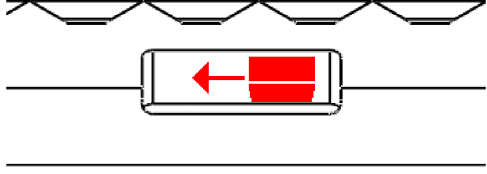
Because these are IMU-based trackers, they drift over time. Your drift times (the time it takes until the drift is noticeable) will vary on the tracker type you ordered and your environment.

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

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Troubleshooting

If there is an issue with the tracker, the first thing to try is a hard reboot. You will need a small metal pin, such as a paperclip or SIM Ejector.



Use the tool to slide the Battery Disconnect Switch toward the Electronics Tray. Then slide it the other way to reconnect the battery.

If this doesn't work, download the program "nRF Connect for Desktop" by Nordic. Use it to install the Serial Terminal app, and open it. Plug in your tracker, then in the top left press "Select Device" and find your tracker. It may tell you what the issue is.

If nothing here has helped, contact me.
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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

Firmware Updates

Do you think it feels good?

Downloading

Download firmware updates from my Discord server. I post them occasionally in **#mps4firmware**

Make sure to read the message before you download, some firmware might have spooky custom settings you dont want.

You can also build the firmware yourself if you know what you're doing. See Pin Defines (pg 9) for how to set up your build and Attributions (pg 10) for the firmware github.

Uploading

Plug the tracker into your computer and press the Side Button 4 times. The light should start fading slowly in and out and it should appear as a USB flash drive. Please note it is not a flash drive. **Don't** store files on it.

Drag and drop the .uf2 file into the tracker.

Your tracker should now have the latest firmware.