



TwipTwaks

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[VIEW IN BROWSER](#)

updated 26. 4. 2023 | published 26. 4. 2023

Summary

These trackers are 13.4mm. 7-10hr bat life, hotswap, and comfortable. Adafruit Bno Support

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Tags: [tracker](#) [trackers](#) [slimevr](#) [twiptwaks](#) [twiptwak](#)

These trackers are 13.4mm thick(62x50) about the size of a belt buckle (small improvements are still being applied so design my differ slightly from images). The goal was to make SlimeVR trackers that both where very small and comfortable with long battery life (7-10hrs depending on cells) and the ability to swap the bats out on the fly to keep playing. These support 40mm straps and can be used with smaller ones. All components are the same from original Slimes minus the charge controller and lipo. We are adding these:

- .2mm copper sheet
- .4-.45mm pen springs
- Rechargeable AAA batteries (1100mah recommended)
- AAA charger (for the correct type of batteries ordered, Preferably a individual cell charger.)

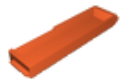
Batteries that were tested are EBL 1100mah and can be found on amazon for fairly cheap. There is a solid copper strip that is inserted in the rear of

the case before closing that should have a slight curve to it (this is used as the AAA contact pad inside), as well as 2 longer 4.5mm wide strips for + and - terminals that feed through the case. These should be bent inwards on the inside of the case during assembly. The - terminal is the outside most and the + is inner most for both sides. It is very important not to get the bats inserted backwards. The lid insert that is included uses springs to make contact on all points. Do not insert the spring lid without batteries inserted. this will cause the contacts to get stuck. This can be made out of any material that is stiff enough for the strap loops and has good layer adhesion. A good PLA plus, PC, or Nylon are all good options. A BRIM must be used on the cap insert, but is optional on the main case. Try to avoid brim on the cap and end cap. NO SUPPORTS are needed to print this whole model. Just print orientated how its shown in the pictures provided.

Model files



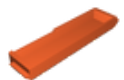
main_end.stl



twiptwak_cap.3mf



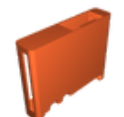
battcap_insert.stl



battcap.stl



twiptwak_insert.3mf



twiptwak_main.stl



twiptwak_main.3mf

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