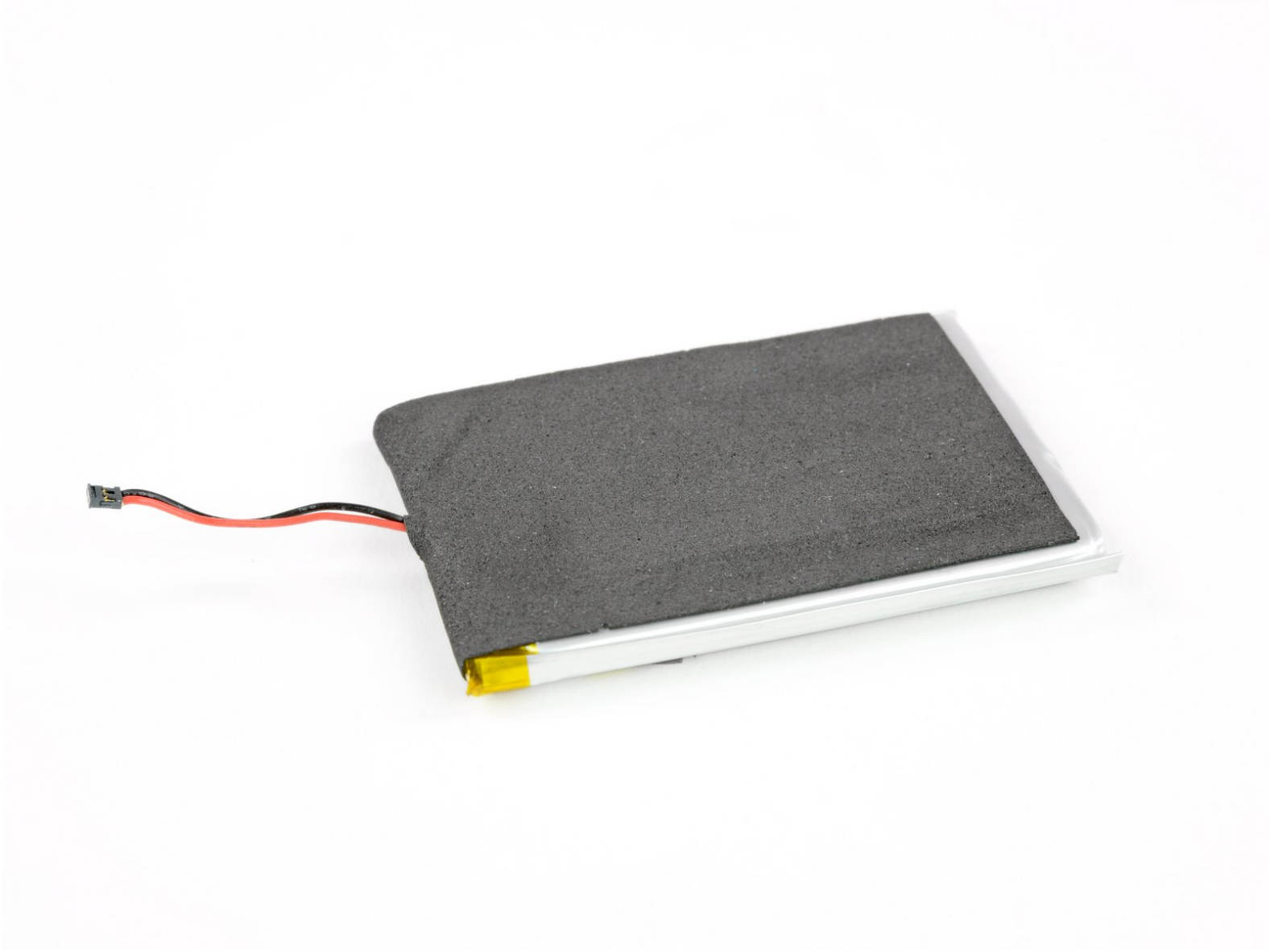
Teenage Engineering OP-1 Battery Replacement

If you cannot take your OP-1 for a walk any mor...

Written By: Tobias Isakeit



INTRODUCTION

If you cannot take your OP-1 for a walk any more, the batterie needs to be replaced.

In this case it's a 1800 mAh li-polymer battery at 3.7V (that is 6660 mWh).

TOOLS:

- iFixit Opening Tool (1)
- Phillips #00 Screwdriver (1)
- Spudger (1)
- Jimmy (1)

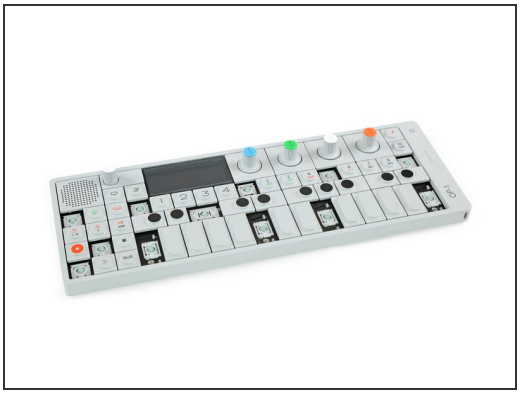
PARTS:

- OP-1 Battery (1)

Step 1 — Remove Back Panel


- Open the back panel by using a Jimmy on the side of the panel. Be careful not to damage the OP-1 coating.
- Lift the back panel and remove it. The Connector Board is revealed.
- Disconnect the flex connector by lifting it up with a spudger.

Step 2 — key removal




To get to the screws beneath the keyboard you need to take some keys off. You can use either an opening tool or an opening pick. The first picture shows how it should look like with all the necessary keys off (12 in total).

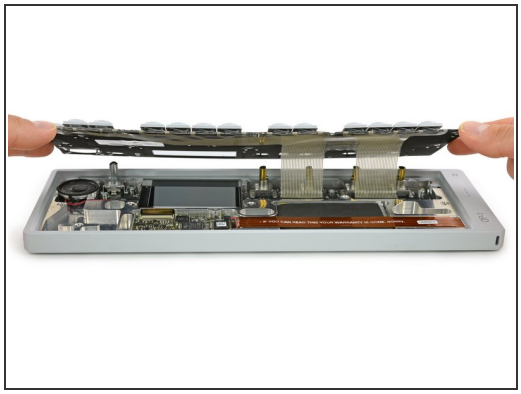
- The four longer keys from the fingerboard are to be handled from the left side to get them off.
- The eight smaller keys need to be levered from the bottom up.

Step 3 — removing scissors mechanisms

- The scissor mechanism of the eight small keys are obstructing the underlying screws.
- By using again an opening tool or opening pick these can be snapped off easily.

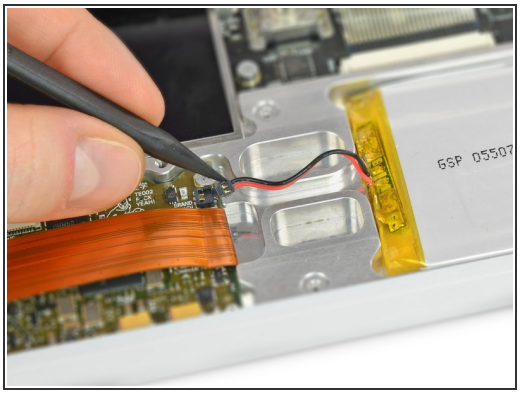
ⓘ When reassembling be sure to place them in with the correct side facing upwards.

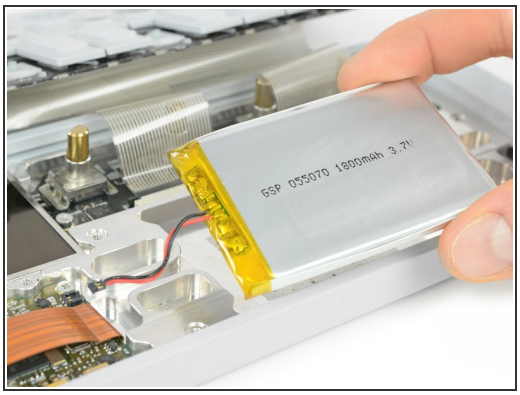
Step 4 — unscrew keyboard



- Loosen those 12 screws with a Phillips #00 screwdriver.
- Then just pull off the four rotary knobs and the volume knob.
- Now it is possible to slightly lift the keyboard and set it back.

Step 5 — battery removal





- Carefully pull out the connector cable from the connector board and bend it out of the way.
- Disconnect the battery with a spudger. The connector needs to be lifted up and not being pulled to the side.
- Now you can pry out the battery which is glued in with double sided adhesive tape.

To reassemble your device, follow these instructions in reverse order.