



# xqisit xqBeat Battery Replacement

replace the original and maybe dead battery with a new one. in this case with a 18650 Li-ion cell. it has approximatly twice the capacity.

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## INTRODUCTION

post note: had to replace the bottom membrane with a plastik plate to make room for the 18650-cell and avoid vibrations

### **TOOLS:**

- [Soldering Iron](#) (1)
- [Glue Gun](#) (1)
- [Screwdriver](#) (1)
- [Rotary Tool](#) (1)

### **PARTS:**

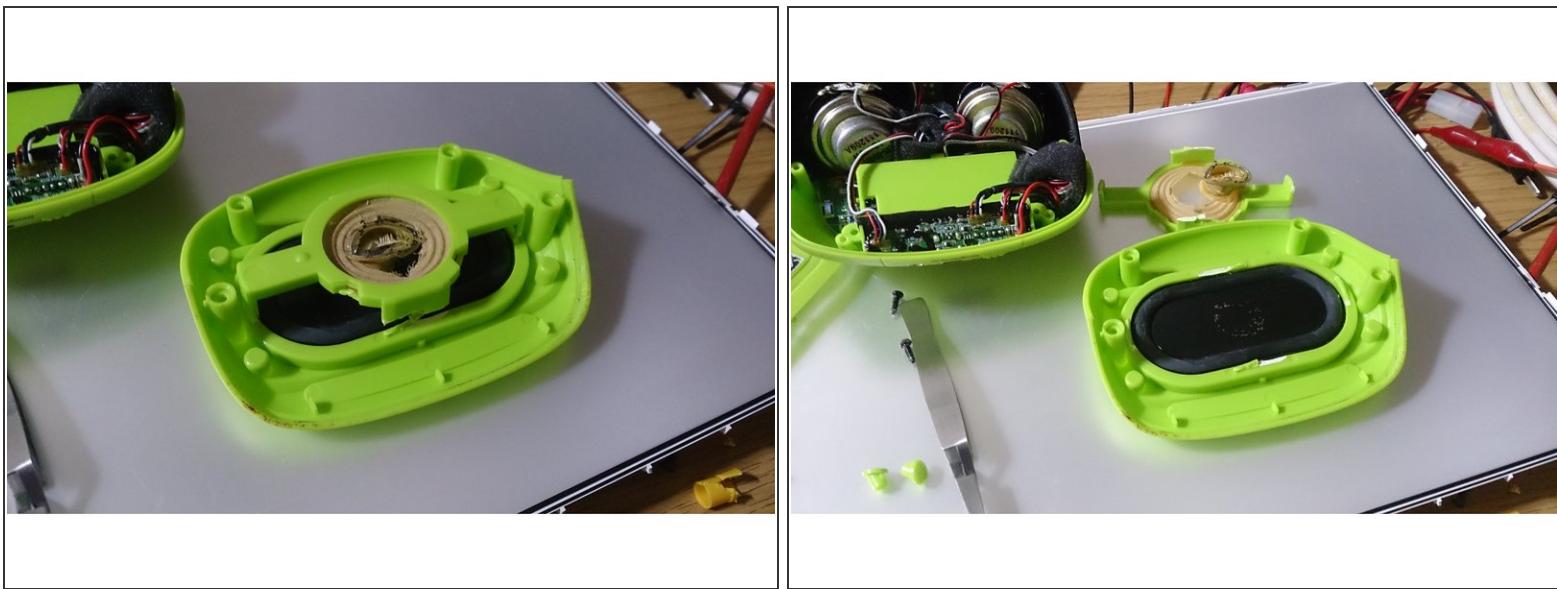
- [18650 Battery](#) (1)
- [battery chrger protector](#) (1)

## Step 1 — Unscrew the 4 screws



- there are two under these caps that you can lever off with a knife or so and two under the bottom cover. the bottom cover is held in place by friction and a little glue but you can carefully lever it off.

## Step 2 — clip off unneeded "speaker"-support (optional to make room)



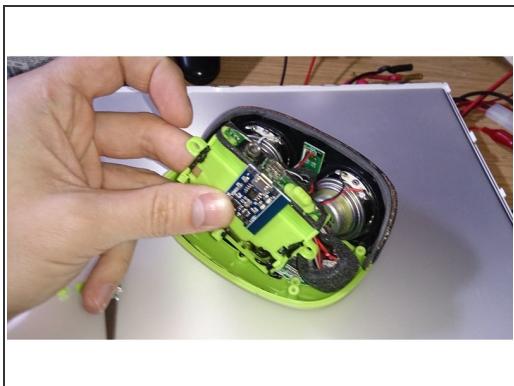
- to make room for the 18650 cell i clipped off the useless construction on the "bass-speaker"
- you can leave it there if you only intend to replace the battery with a similar one
- post note: this "speaker" may have some sound benefits. also i had to replace the black membrane with a stiff plastic cover because the vibrations were hitting on the 18650-cell.

## Step 3 — remove the dead battery



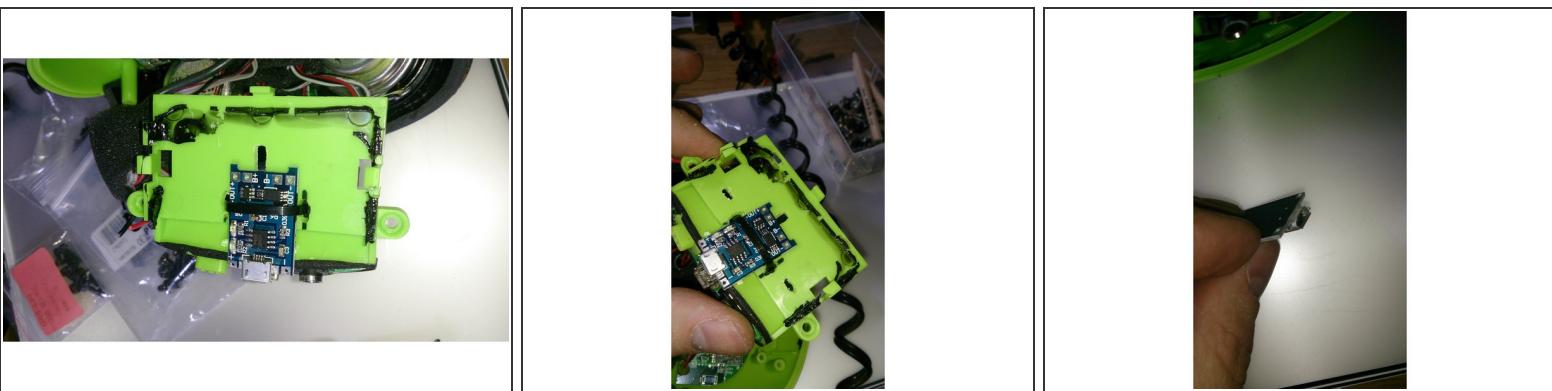
- unscrew the two screws on the side and twist the thing to get to the battery
- it's glued in place so with a little force you can remove it.
- cut off the wires maybe in the middle or so...
- if you want to or have one lying around you can solder a new similar battery to the terminals and you're done.

## Step 4 — new battery charge-controller



- there are some reasons, why i chose to use a new battery charge controller
- 1. I wanted a micro USB port
- 2. I no longer trust the original one
- 3. there is place for a new one :)
- so i made slots for the charger ( it is a liion-battery-charger/protector) to get it centered over the original usb-connector. you can move it back an forth because at this point you dont know the exact position. google it if you want, they are about a dollar.

## Step 5 — mount the charger



- i grinded a bit off the front of the circuit-board so the the connector reaches further out.
- pull the strap close an determine the final position by trial and error. then fix it with hot glue.
- here i also made 4 slots to mount the new battery with straps an a slot behind the charger to move the board in the build in state.

## Step 6 — mount the new battery



- to mount the new battery i used double sided tape and straps.
- solder the new battery to the b+ and b- points on the charger
- solder the out+ and out- points to the original battery connections on the board

## Step 7 — get everything back together



- enjoy :)

Arbeite die Schritte in umgekehrter Reihenfolge ab, um dein Gerät wieder zusammenzubauen.