



# Treblab Xfit Teardown

This is a guide on how to open the Treblab Xfit earbuds. Also known as the Steren Freepods.

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# INTRODUCTION

The Treblab Xfit are great budget earbuds with great battery life and sound. However as all devices with battery, replacing it will be necessary in the future.

This guide covers all the basics of how to open and disassemble the components from the earbud itself. It does not however, cover soldering steps.

It is important to note that because of the size of the earbuds themselves. This repair will require you know your way around small electronics and your tools.



## TOOLS:

- [Spudger](#) (1)
- [Halberd Spudger](#) (1)
- [Tweezers](#) (1)
- [Jimmy](#) (1)
- [2 Hands](#) (1)



## PARTS:

- [581013 lipo](#) (1)

## Step 1 — Removing the tip



- Let's start by the basics, take the earbud(s) out and remove the silicone tip by pulling the cup outwards

## Step 2 — Where do I open it?



- Identify the real gap.
  - The real gap is marked in red in this image
  - The blue line is just the mold's line. Do not attempt to open the earbud on this line.
- Now that we have identified the real gap between the two parts of the earbud. Use the [Jimmy tool](#) in the marked square.

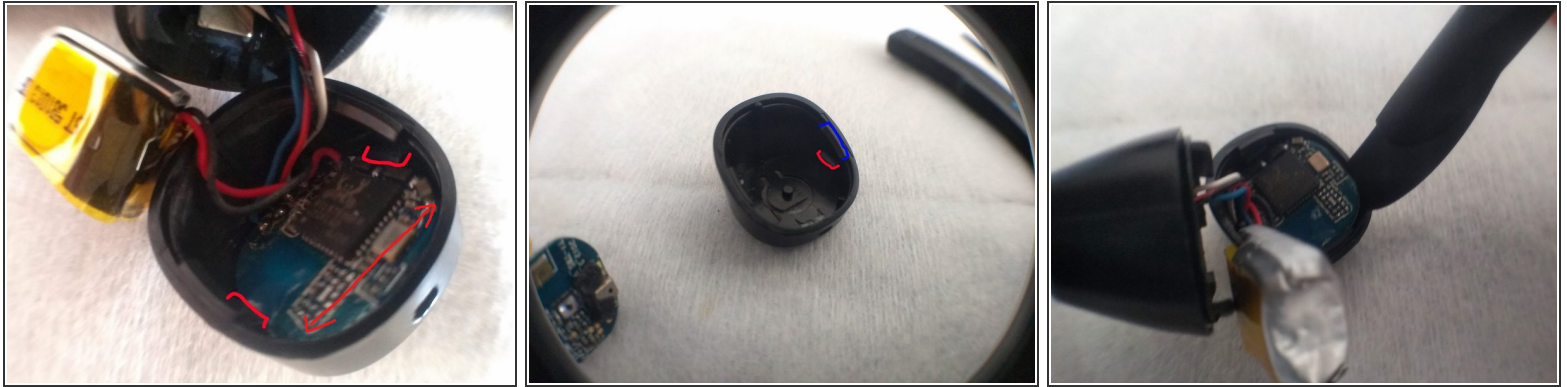
### Step 3 — Opening the earbud



- Push firmly on the area marked by the square
- This will open the earbud
- Move the battery out of the way

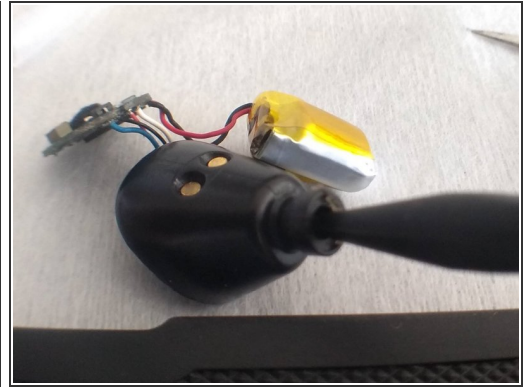
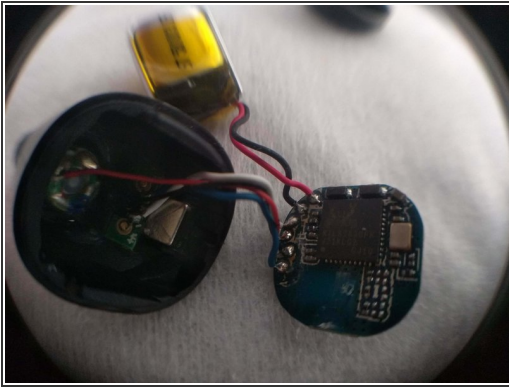


## Step 4 — Pulling the PCB out



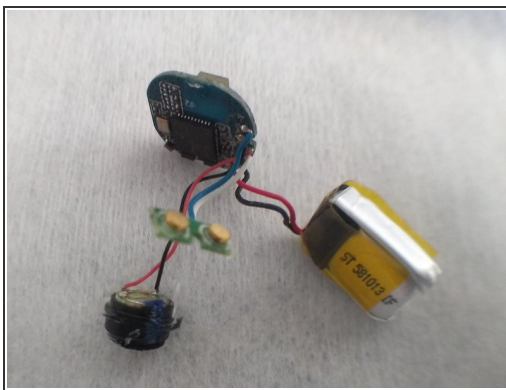
- For repairs such as battery replacement you only need to remove the PCB from the top component
- This PCB is held on by two plastic tabs. Which are marked in red.
  - In the second image you can see how the upper case looks after removing the PCB
  - In order to remove the PCB you will need to use your fingers to push the case from the inside outside. And another finger to push from the top
    - The PCB will come out one side first. Place your [Halberd Spudger](#) on the lifted side to keep in there
    - Then with the [Spudger](#) tip push the rest out

## Step 5 — Taking the audio driver out



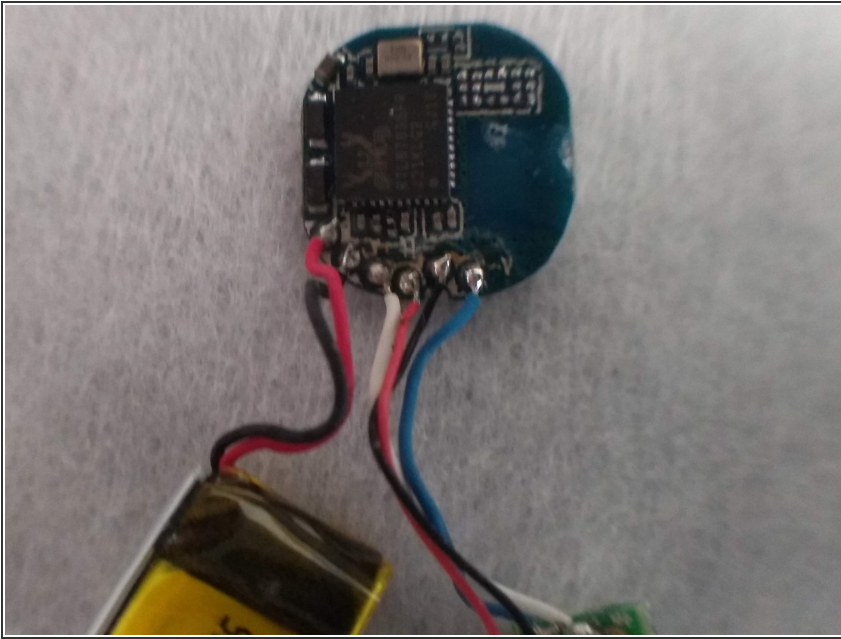
- Once the PCB is out, if you need to replace your driver:
  - Take out the dust cover using your [tweezers](#)
  - Identify the holes in the driver. This will be four.
  - Position the pointy end of your spudger in an area without holes and push firmly until the driver is out.

## Step 6 — Taking the charging ports out



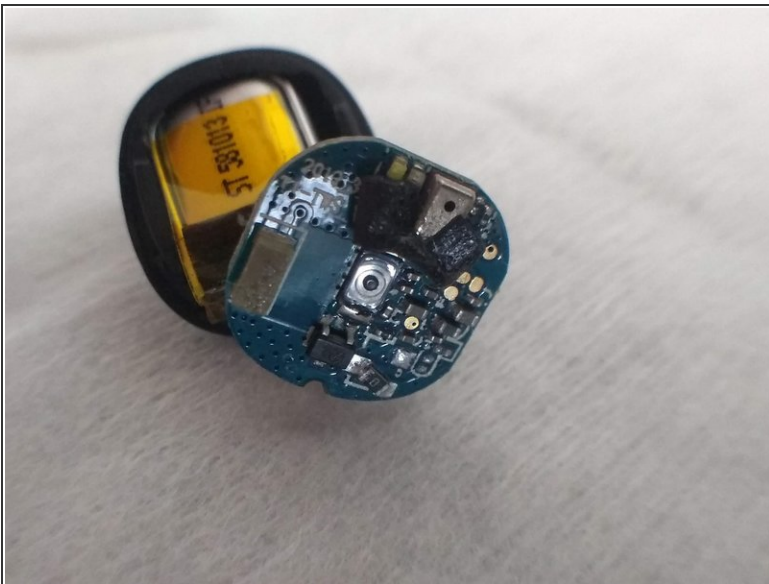
- To take the charging ports out just push your spudger firmly against the charging spots
- After this all of your components are out! Congratulations you have completed the teardown part of it
- The only thing left in the case will be the magnet used for easy popping in the case

## Step 7 — PCB layout



- This is the solder points layout. From the left it is: + Battery, - Battery, + Charging, + Audio, - Audio, - Charging.
- If you want to replace your battery. This device uses a 581013 lipo which can be found in several chinese online stores for around 5usd

## Step 8 — Putting back the PCB



- You have to line up the LED with the top part opening for it. This has a little nylon piece for it
- Then put it back in kind of in reverse order of how you took it out. One side first opening the case with your fingers and pushing the PCB



## Step 9 — Putting the rest back in



- After putting the PCB back in, put the audio driver in aligning it with your fingers and pushing with the flat end of the spudger
- It is important to note that the magnet for charging will make this tricky but you'll get the hang of it
  - To put the charging port in. Just push it in with your fingers and do a two tap with the spudger

## Step 10 — Finishing up!



- Line the battery inside again
- To close it, put it upside down on a hard surface and push firmly