



Motherboard Replacement

This going to show you how to take apart the device to access and replace the motherboard.

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INTRODUCTION

This guide provides step by step comprehensive method for the replacement of the motherboard from the speaker. unfortunately the battery is soldered into the motherboard via wires, therefore this replacement guide will be a bit more difficult than a normal battery replacement guide.

TOOLS:

- [iFixit Opening Tools](#) (1)
- [64 Bit Driver Kit](#) (1)

Step 1 — Bottom Cover



⚠ Power off the SoundBank Z3.

- Flip over the device.
- Remove the silicon feet by peeling them up.

★ The feet can be reapplied without extra adhesive, but only if you are careful not to let the sticky side touch anything.

Step 2



- Remove the eight 11 mm Philips screws from the bottom of the device.

Step 3



- Using a plastic opening tool, remove the bottom panel.

Step 4 — Motherboard Cover



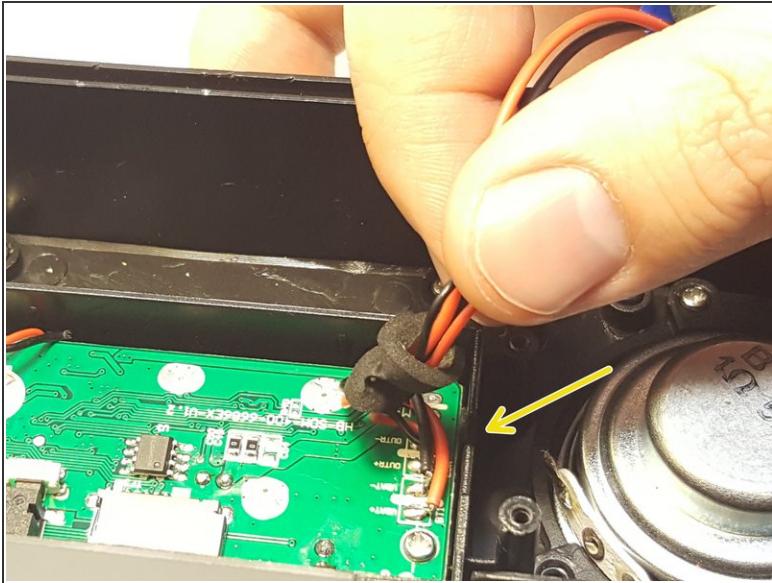
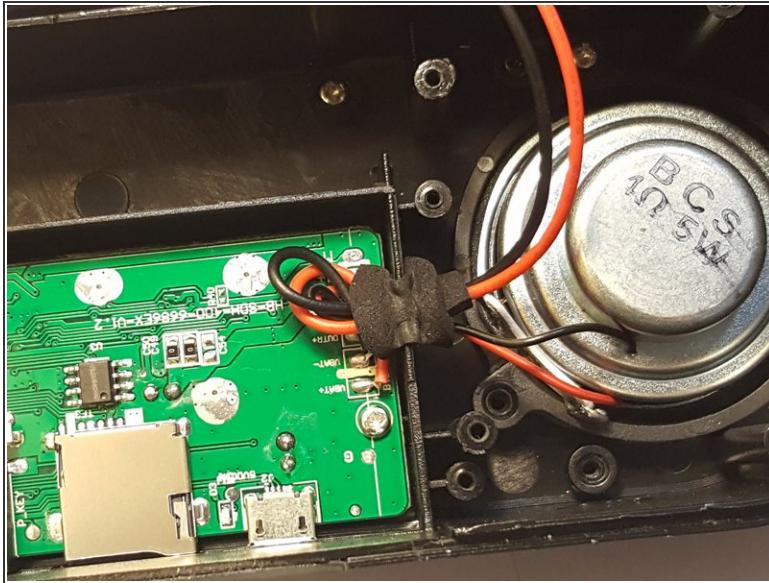
- Remove the four 4.5 mm silver Phillips screws that secure the plastic panel covering the motherboard.
- Remove the plastic panel.

Step 5 — Battery



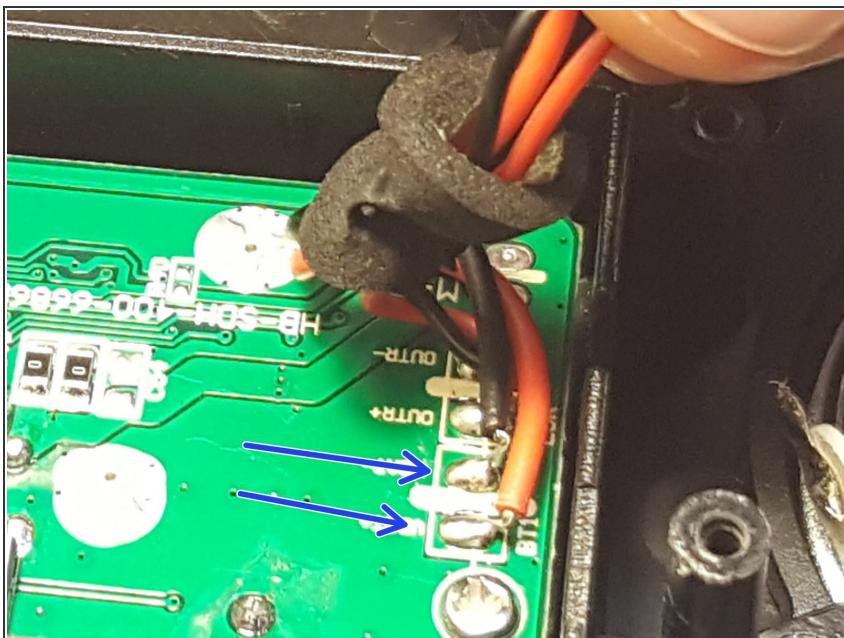
- Remove the battery from the holder. When doing it for the first time, it may be difficult.
 - ▣ I suggest using a thin sturdy tool, to get in between the battery and the speaker wall, this will let you wiggle the battery free from its surrounding.
 - ▣ You might find it easier to remove it by hand.
- ⚠ If the battery is punctured, leaking or bloated/puffy at all leave it alone, It may be hazardous to handle and instead should be properly disposed.

Step 6



- The foam is just pressure fit into the slot and can be removed by hand.
- Remove the foam around the wires. This can be done by unraveling the foam.
- The foam can be re-wrapped, as with the feet from earlier, care must be taken if you wish to reapply it.

Step 7



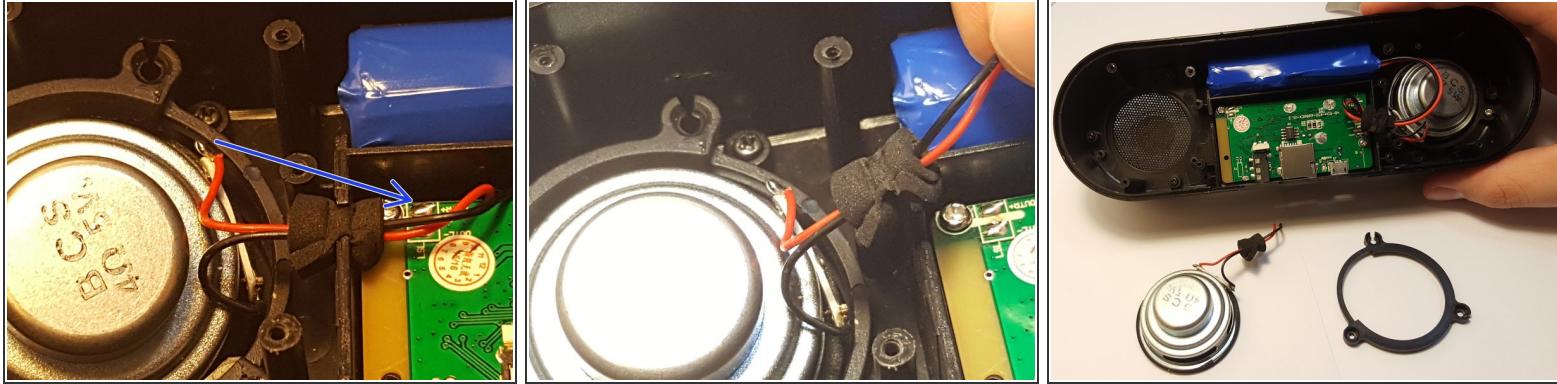
- These are the leads that must be removed to separate the battery from the mother board.
- *i* Follow [this guide](#) to help you remove the wires from the mother board.

Step 8 — Speakers



- Remove these 3 silver screws holding the speaker down.
 - ⚠ Be careful not to rip out the speaker while taking out the screws.
 - ⓘ The same steps can be done on the other side of the speaker

Step 9



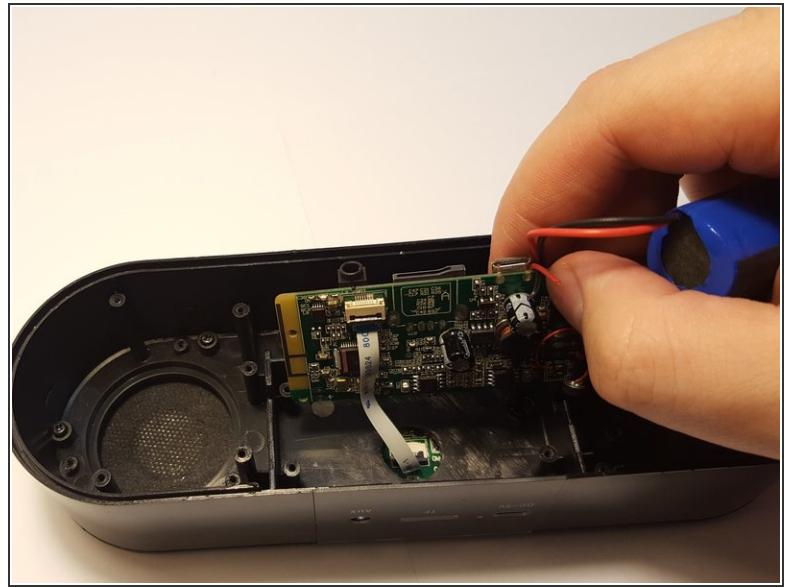
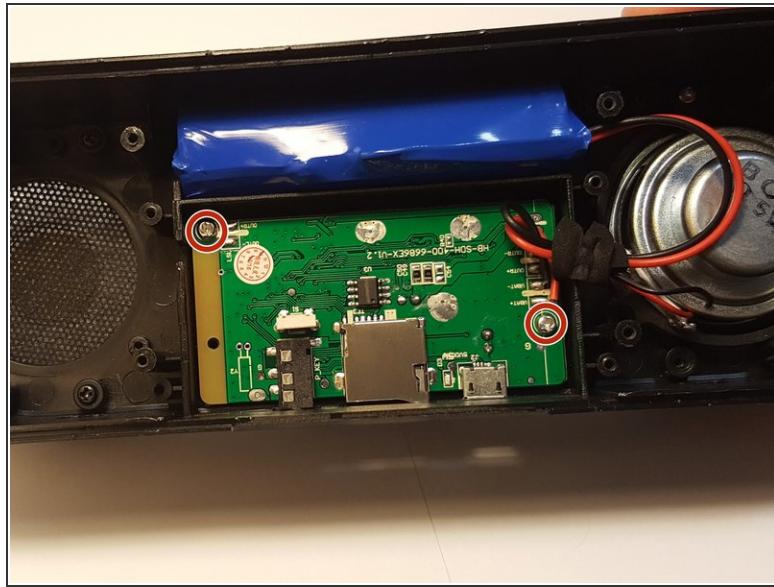
- ☒ There will be a ring used as a clamp that will clamp down the speaker to the body, you will need to remove the speaker from the motherboard before you can remove this ring.
- These are the joints that need to be soldered. Follow this guide link to help you remove the wires from the motherboard.
 - ⓘ [How To Solder and Desolder Connections](#)

Step 10



- The speaker should slip right out when removing it
- *(i)* Be careful not remove other components in the speaker

Step 11 — Motherboard



- Remove these two 4.5 mm Philips silver screws holding down the motherboard.
- The motherboard should be able to be lifted right out of the housing.

Step 12



i You will finds a ribbon cable connecting the motherboard to the control interface circuit board.

- Using a spudger or plastic opening tool, lift flap on the ribbon cable ZIF connector.
- Using a plastic pry tool or fine tip plastic tool to open the clamp.
 - Using the tool, try lifting the clamp up on either location, noted by the blue arrow.
- The ribbon should pop out, if not you should be able to slide it out from the clamp.

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