



Zenbre SoundBank Z3 Motherboard Replacement

This guide provides step by step comprehensive...

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INTRODUCTION

This guide provides step by step comprehensive method for the replacement of the motherboard from your **Zenbre SoundBank Z3** 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:

[Essential Electronics Toolkit](#) (1)

[Soldering Iron](#) (1)

[iFixit Opening Tool](#) (1)

[64 Bit Driver Kit](#) (1)

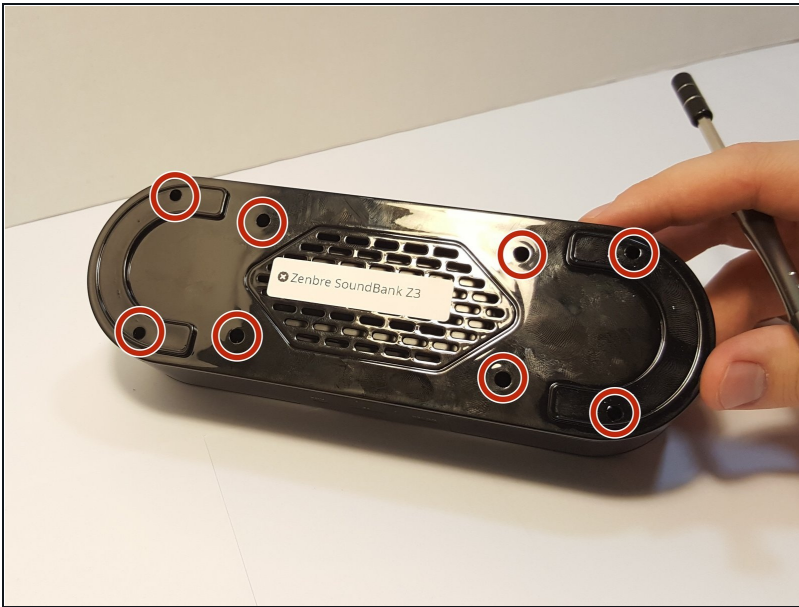
Step 1 — Bottom Cover



 **Power off the SoundBank Z3.**

- Turn over the device.
- Peel the silicone feet up to remove.
 -  No extra adhesive is needed to reapply the feet as long as the sticky side is not touched.

Step 2



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

Step 3



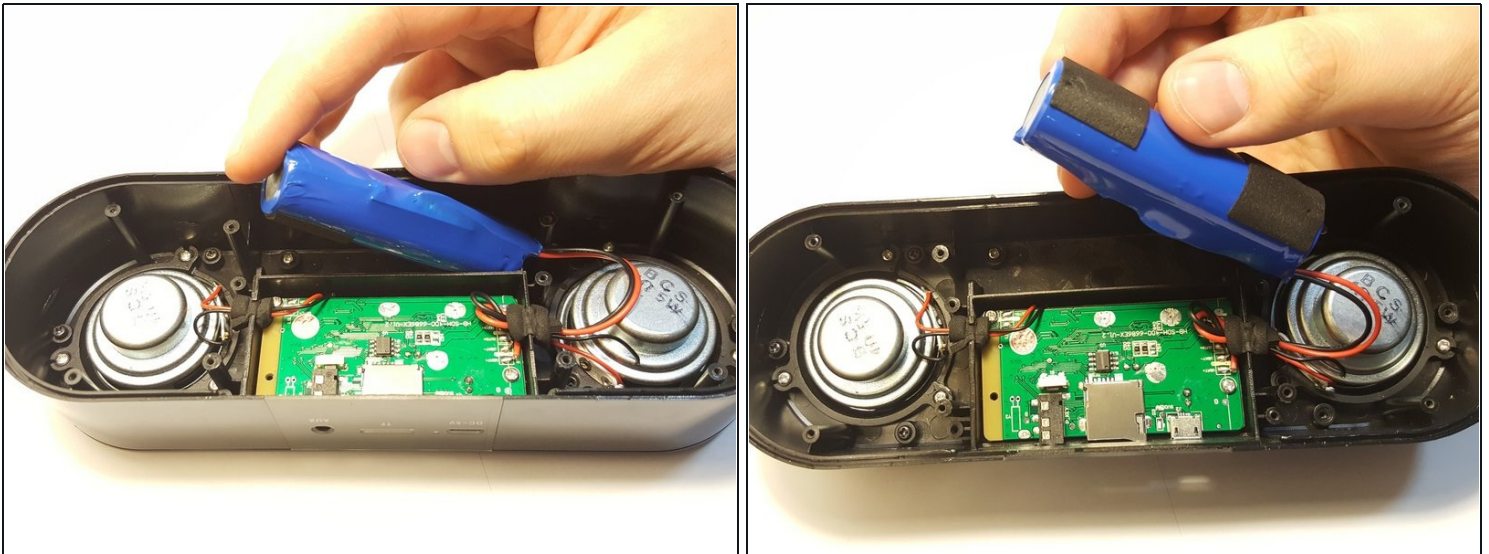
- Remove the bottom panel speaker using an iFixit opening tool.

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.

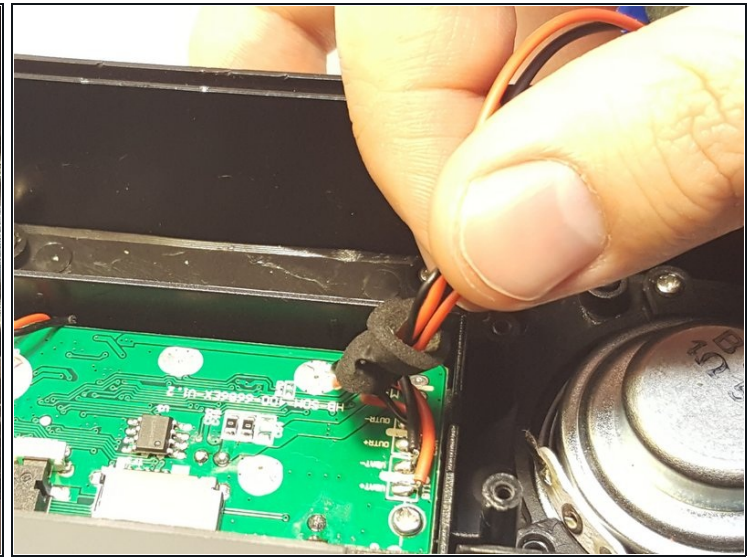
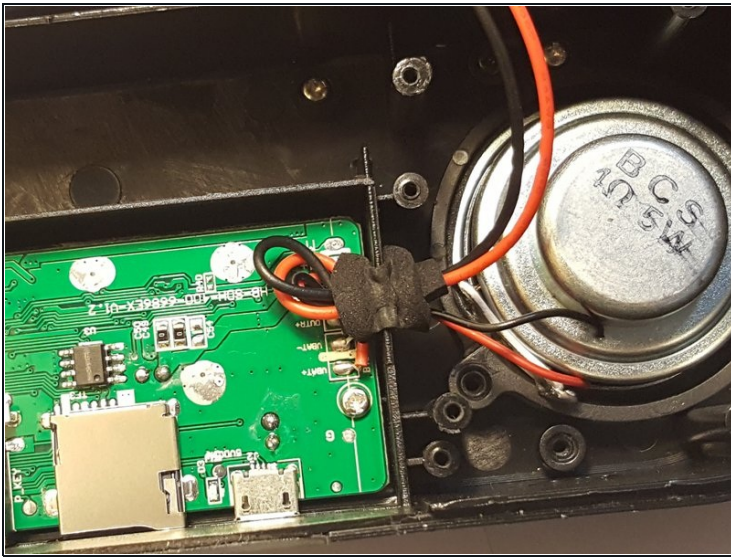
Step 5 — Battery



- Remove the battery from the holder. It may be difficult the first time.
 - ❗ Use a spudger between the battery and speaker wall to loosen it from its surroundings.

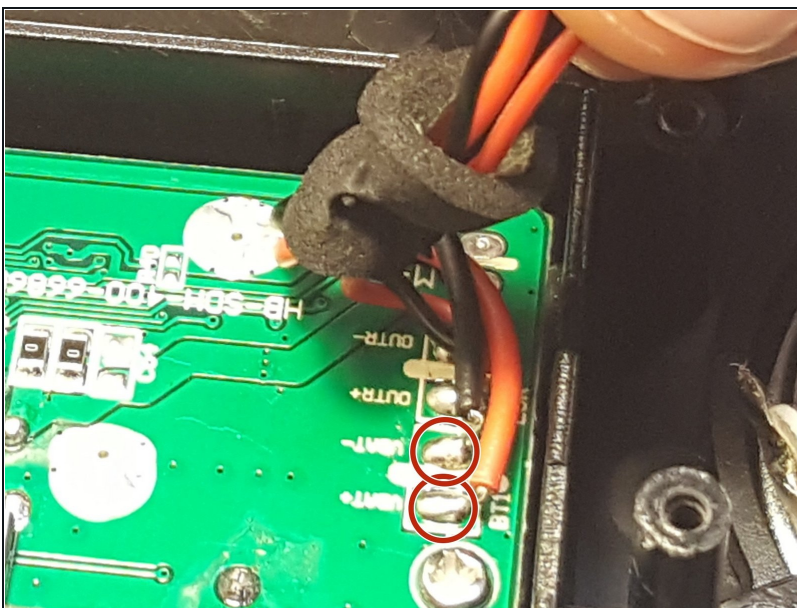
⚠ If the battery is punctured, leaking, or bloated/puffy, it may be hazardous and should be properly disposed of.

Step 6



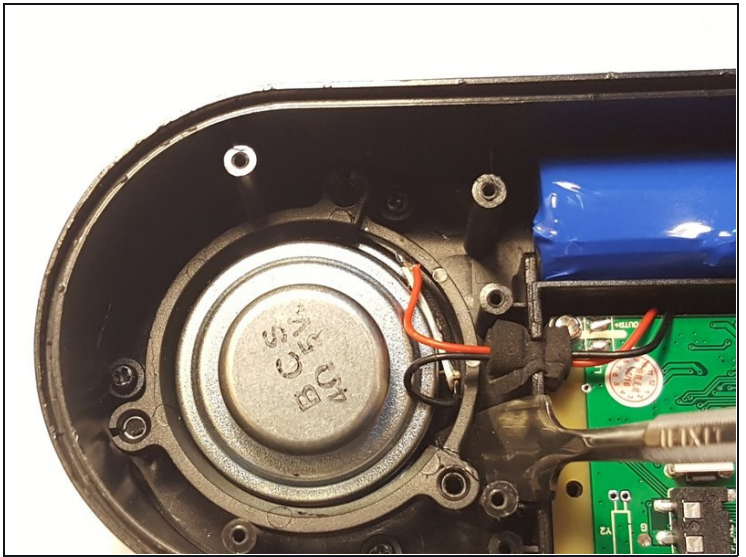
- Remove the pressure-fitted foam from the slot by hand.
 - Unravel and remove foam from the wires.
- ☒ When reassembling, the foam can be re-wrapped if care is taken when handling it.

Step 7



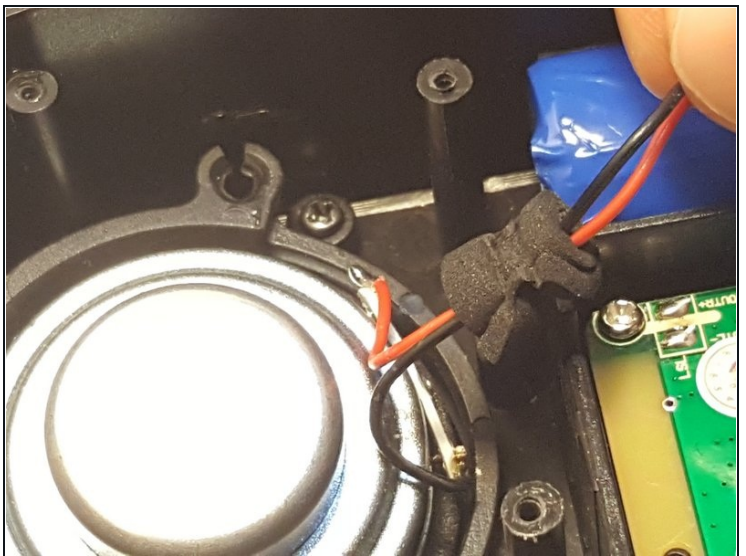
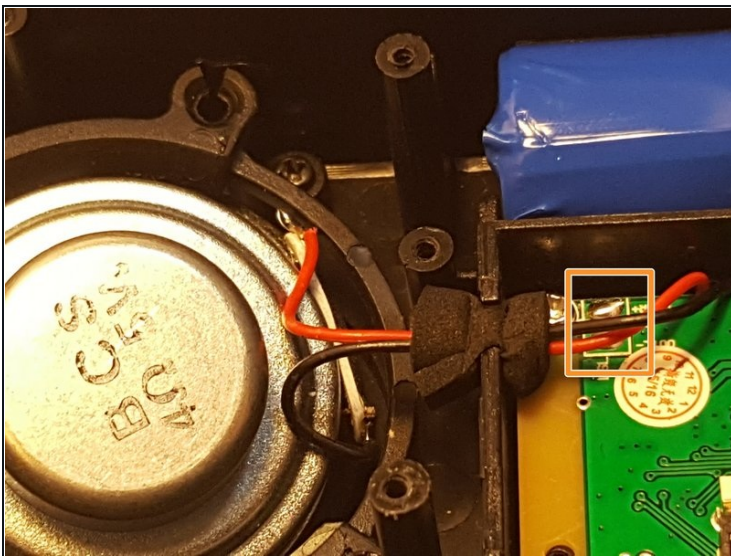
- Using a soldering iron, remove the leads, separating the battery from motherboard.
- i** Follow [this guide](#) to help you remove the wires from the motherboard if you are unfamiliar with soldering.

Step 8 — Speakers



- Remove the three screws that are holding the speaker down.
⚠ Be careful not to rip out the speaker while taking out the screws.

Step 9



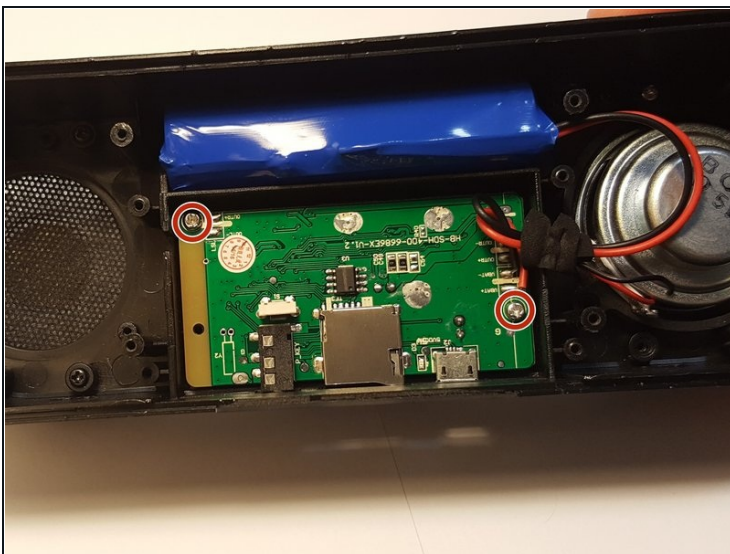
- Desolder the speaker joints from the motherboard. Follow this [How To Solder](#) guide for help with desoldering.

Step 10



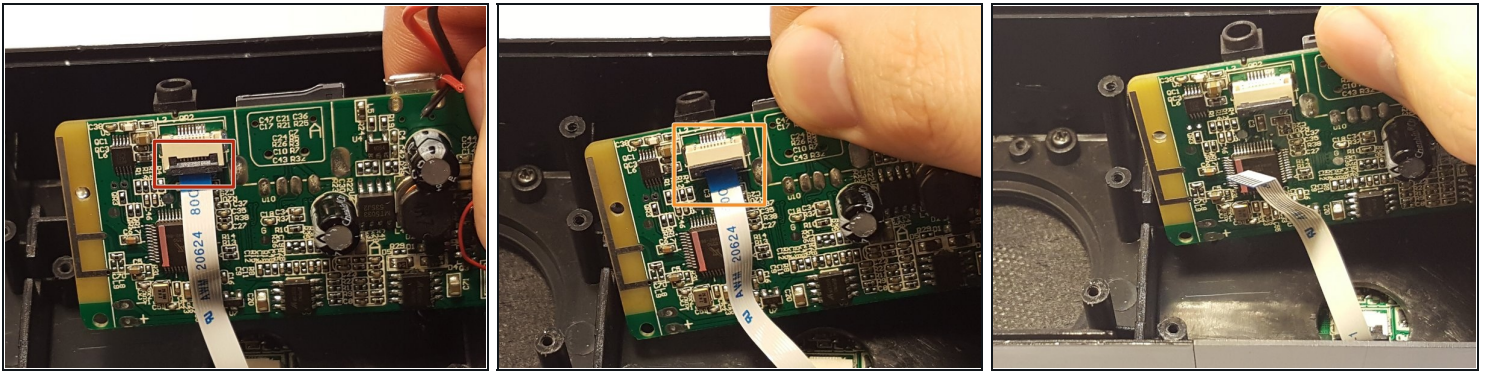
- Remove the speaker from the motherboard.
- Remove the speaker ring.
⚠ Be careful not to remove other components in the speaker.
- Repeat Steps 5-7 with the other speaker.

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 find 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.