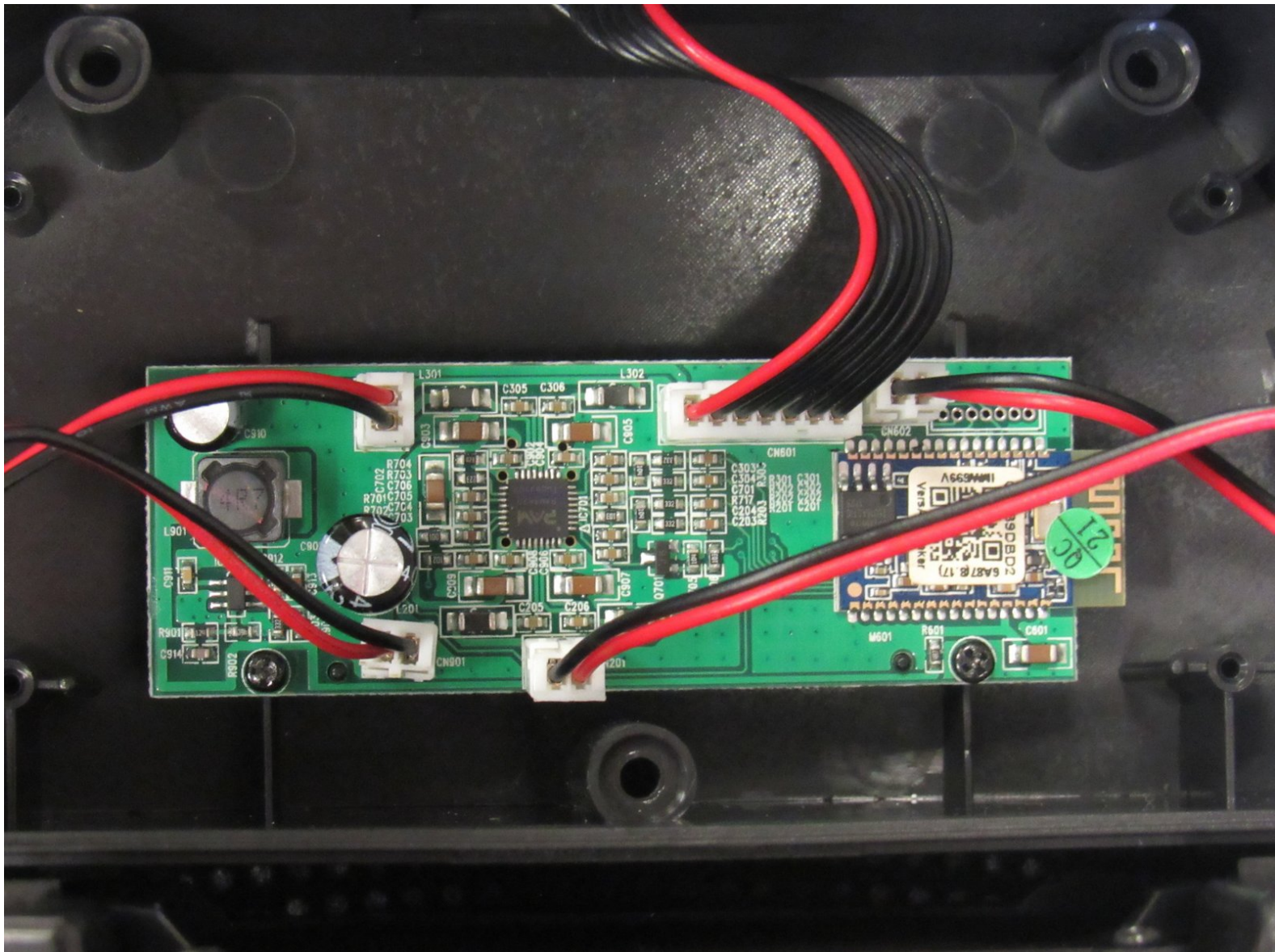


Written By: Kendra Pennington



INTRODUCTION

If you are having various issues with your device, this guide will show you how to remove and replace the motherboard.

TOOLS:

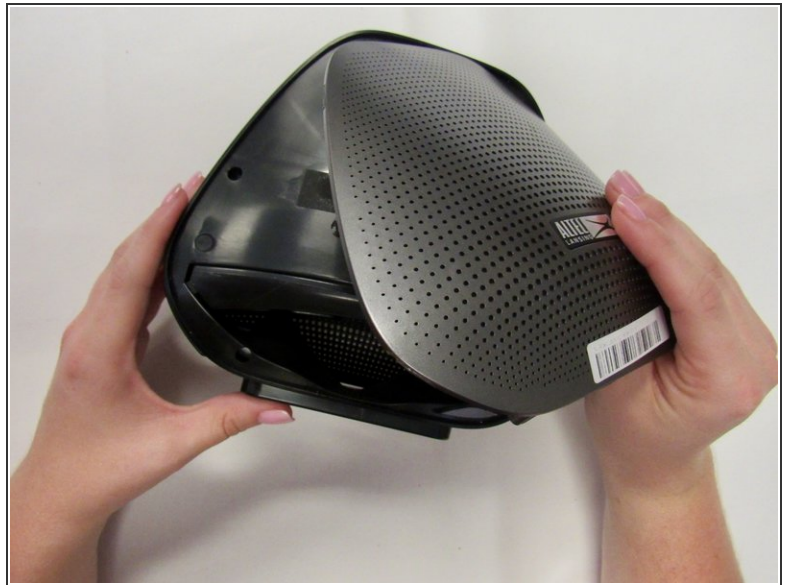
- [4mm Nut Driver](#) (1)
 - [iFixit Opening Tools](#) (1)
 - [Phillips #1 Screwdriver](#) (1)
 - [Magnetic Project Mat](#) (1)
 - [T5 Torx Screwdriver](#) (1)
-

Step 1 — External Panels



- Remove external rubber cover.

Step 2



- Use blue plastic opening tool to remove the external speaker face by placing it in the slight opening at the bottom.
- Use a lever motion, push the tool down, lifting the speaker face.
- Use fingers to grip and remove speaker face.
- Repeat on reverse side to remove the second speaker face.

Step 3



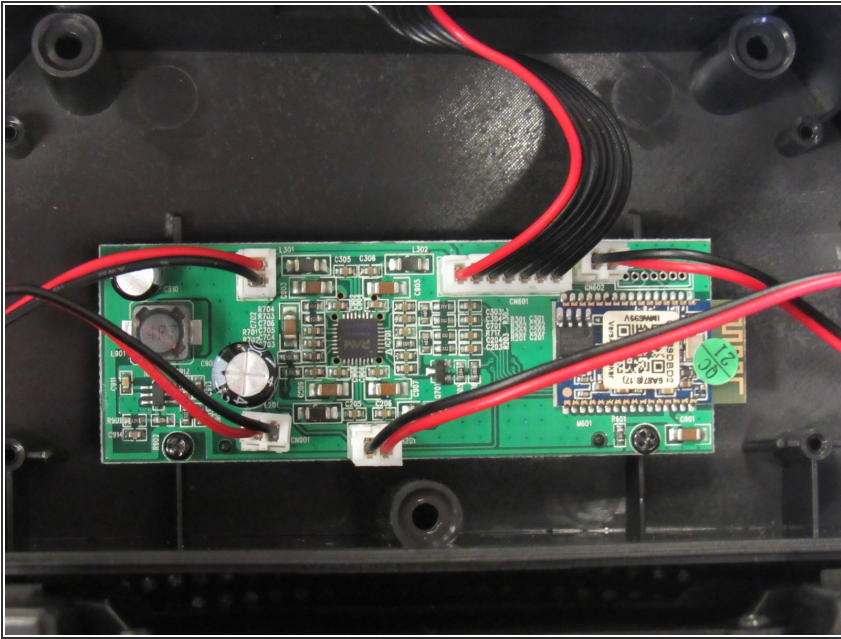
- Orient speaker so volume buttons are facing away from you, and Bluetooth and power buttons are on the left-hand side.
- Remove the seven 14mm screws using the Phillips #1 screwdriver.

Step 4



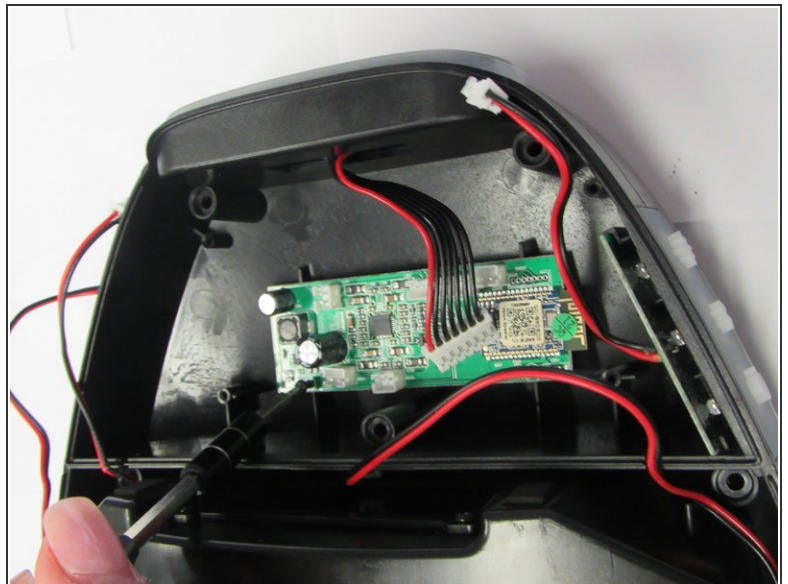
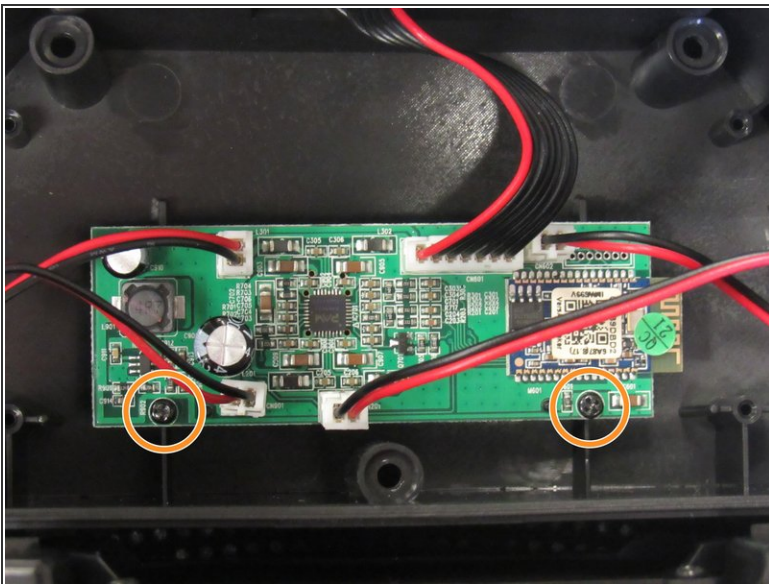
- Reorient speaker so Bluetooth and power buttons are now on the right-hand side.
 - Separate the two panels along the crease.
 - Blue plastic opening tool may be needed to separate panels.
 - Remove the panel with no buttons to expose internal area of the device.
- ☒ Motherboard and all internal components are under this panel.

Step 5 — Motherboard



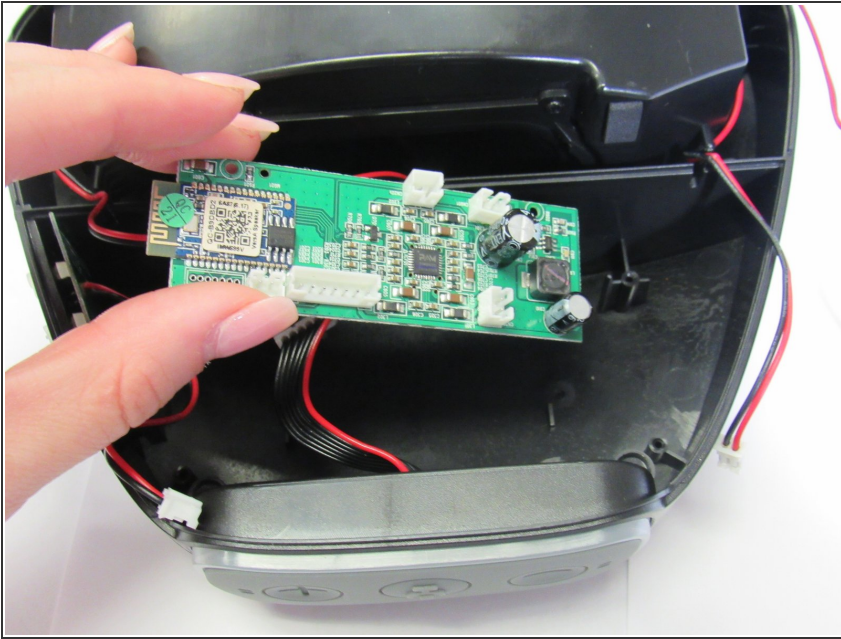
- Remove the five wiring attachments (for the volume board, bluetooth board, speakers, and microUSB) from their connection to the motherboard by pulling slightly.

Step 6



- Remove the two 9mm screws holding the motherboard in place using the Torx T5 screwdriver.

Step 7



- Remove the motherboard.

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