



Blu Studio 5.5 Sub PCBA Replacement

This guide will detail how to remove and replace the Sub PCBA (Printed Circuit Board Assembly) for the BLU Studio 5.5.

Written By: Alec Coleman



INTRODUCTION

The sub PCBA on the BLU studio 5.5 holds the charging port and connects to both the speaker and motherboard assembly so it holds a major role in many functionalities that you seek in your mobile device. This guide will demonstrate step by step how to remove and replace this crucial component.



TOOLS:

- [iFixit Opening Tools](#) (1)

Not essential, but may be easier than opening device by hand

- [Phillips #000 Screwdriver](#) (1)

Step 1 — Battery



- Locate the notch to remove the back panel at the lower left corner of the panel.
- Insert the plastic opening tool or a fingernail into the notch.
- Apply force upwards until back panel becomes loosened.

Step 2



- Remove the loosened back panel and set aside.
- Locate the notch to remove the battery.

Step 3



- Insert a plastic opening tool or your fingernail into the notch and apply force upwards until the battery is loosened.
- Remove the battery and set aside.

Step 4 — Back Panel Assembly



- Locate all twelve screws along the back panel:
 - Seven 5mm screws.
 - Five 3.5mm screws.
- Using a Phillips #000 screwdriver, remove all twelve screws.

Step 5



- Now that all the screws have been removed, use a plastic opening tool to carefully pry at each of the corners until loosened.

 Be extra careful when prying open as it may damage or snap the thin sides of the panel.

- Place the plastic opening tool inside the loosened panel and gently push upwards and move along the phone to remove the back panel.
- Remove the panel as if you were turning the page of a book.

Step 6 — Sub PCBA



- Locate the screw holding down the sub PCBA.
- Remove the screw using the Phillips #000 screwdriver.

Step 7



- Locate the gold plated cable connecting the sub PCBA to the motherboard.
- Locate the flex cable connector just above the sub PCBA screw.
- Using tweezers, detach both cables from the sub PCBA.

Step 8



- i Note the red and blue wires connecting the sub PCBA to the speakers.
- ✦ Either the speaker will need to be loosened and removed alongside the sub PCBA or the wires disconnected and resoldered during reassembly.
- Using tweezers, grab the PCBA and remove gently from assembly.

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