



Keyboard Rapoo E6700 Bluetooth Broken off micro-USB

The Rapoo E6700 has a really bad repairability. Even tough let's try to fix the USB port without destroying the device (completely).

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INTRODUCTION

I found a way to get access the USB port. But the really ugly place of the screws means that the back cover remains a bit loose or needs to be glued in place.

TOOLS:

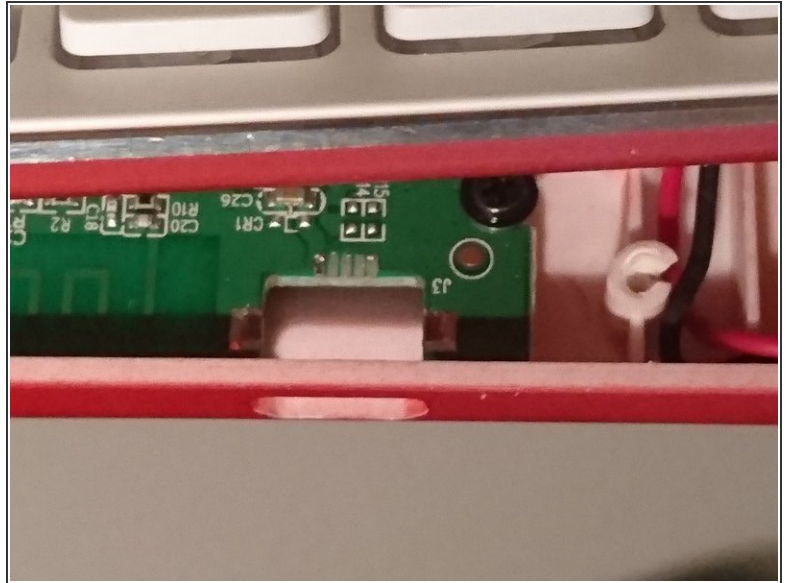
- [Soldering Iron](#) (1)
 - [Hammer](#) (1)
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Step 1 — Break off the back cover



- A small cutting board and a slight hit with a hammer on it allows to break off the bottom side case. Inside resides the circuit board and the rechargeable battery - so be careful with the amount of force.
- The bottom cover is held by screws that cannot be accessed/loosened without destroying the glued parts of the device.
- With the hammering we break the plastic parts where the screws hold the cover. It worked better than I expected.

Step 2 — Access to the inside



- The cover is still connected to the main larger part of the keyboard with two flat cable. So be careful to keep these intact.
- Now the PCB with the broken off USB jack is accessible. The soldering on the shield was really not so good. No wonder that it broke off so easily!

Step 3 — Mind the flex cables



- There is a brownish flat cable to the left in the picture. Another green flat cable goes to the back as seen in the picture. I took the second one out with a tweezer, which helped me to get good access for soldering back the USB jack.
- But putting back the flat cable was a bit fiddly. So maybe others might find it better to try soldering with both flat cables still in place.
- The cover can be snapped back on but will not hold very tight as the screw holders are broken now.
- Some glue would hold it in place. Bets put some glue on the locations where the screw-points are.

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