**Flex Battery Interrupter: Assembly Guide**

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|  | Step 1: Flex Battery Interrupter PCB Model The Flex Battery Interrupter is available in two lengths:   * Model 100, (100mm or 4”) * Model 200, (200mm or 8”)   Please select the model which best fits your needs. As the strip length is the only difference, assembly steps, here for both strip types, is the same. |
| Diagram  Description automatically generated | Step 2: 3.5mm Stereo Jack Prepare the components including the 3.5mm stereo jack and the flex PCB strip. |
| A picture containing key  Description automatically generated | Step 3: Solder on the correct PCB side The stereo jack will be inserted on the Flex PCB strip side with a thin rectangular part outline. |
|  | Step 4: 3.5mm Stereo Jack Placement First insert stereo jack on the Flex PCB side with the thin rectangular part outline, and press the Flex PCB strip onto the stereo jack. Make sure the strip holes remain aligned with the jack pins, as you do so. |
| A hand holding a key  Description automatically generated with low confidence | Step 5: Solder Stereo Jack Joints Solder all three of the stereo jack joints. |
| A picture containing person, hand, stationary  Description automatically generated | Step 6: Inspect Soldered Joints Inspect all three solder joints, and make sure they have been properly soldered. |
| Diagram  Description automatically generated | Step 7: Alignment Pre-Check The pieces in the photo need to be assembled together in the correct orientation. Note that the hole in the case is closer to the top (jack) side, and the end slot in the jig saw shaped piece will go to the connector jack end. |
|  | Step 8: Remove Retainer Ring Remove the 3.5mm stereo jack retainer ring by turning it counter-clockwise, until it comes off. |
|  | Step 9: Insert Case Spacer Hold the case spacer against the solder joint side of the Flex PCB strip, as shown. All solder joints should go through the slots, and the spacer should rest flat against the strip. If the spacer can’t rest flat, remove any excess solder from any joint preventing a flat rest. |
| Graphical user interface  Description automatically generated | Step 10: Align Case Spacer Make sure the 3.5mm stereo jack and the case spacer are correctly aligned.  The case hole should be on top, and the spacer side of the jack should be on the bottom. |
|  | Step 11: Insert 3.5mm Stereo Jack Slide the aligned 3.5mm stereo jack fully into the case. |
|  | Step 12: Inspect Insertion of 3.5mm Stereo Jack Make sure the 3.5mm stereo jack is fully inserted, and the jack end protrudes enough for the retainer ring to be inserted. |
| Graphical user interface  Description automatically generated | Step 13: Insert 3.5mm Stereo Jack Retainer Ring Insert the 3.5mm stereo jack retainer ring, by screwing it on clockwise. This will secure the case. If you have large fingers, it may be easier to tighten the retainer with a pair of fine tipped pliers (as shown). |
| Diagram  Description automatically generated | Step 14: Completion The Flex Battery Interrupter is now fully assembled and is ready for usage. Happy Making! |