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# Elite Digital™ and Elite Infrared™ Pillow Speaker Interface PCB Assembly Replacement Kit

**Introduction**
These instructions will assist you in replacing the Elite Pillow Speaker Interface PCB Assembly.

**WARNING**
Please be aware that by installing this kit any applicable warranty is voided unless clearly and explicitly expressed by Crest Healthcare.

## Instructions

Please follow these instructions closely and reference the video instructions on the Crest website at **www.cresthealthcare.com** to ensure the successful part replacement and continued performance of your pillow speaker.

**To Open the Pillow Speaker Case:**

1. Lay the pillow speaker front case down on a flat surface with its speaker end pointing to your left and the cable end pointing to your right.
2. For the Elite Infrared Pillow Speaker, remove the outside battery cover screw on the back of the case. Set aside the cover. Remove the two screws inside the battery compartment and the two exterior case screws.
3. For the Elite Digital Pillow Speaker, remove the four exterior case screws.
4. Once all screws have been removed, place your left wrist down on the speaker area and use your left fingers to grasp the bottom of the case.
5. Use your right hand to push down on the cable and front case that is facing down, while gently, but firmly pulling up the back case near the cable.
6. The case will begin opening at the cable end, then will snap open at the middle and toward the speaker end. You should hear audible snaps as the internal hooks release.
7. Be gentle when pulling the front and back cases apart. Depending on your pillow speaker model, there may be wires attaching the front and back case which can be strained if the top and bottom case are pulled apart aggressively.

**Changing the interface circuit board requires disconnecting all the parts from the board and unscrewing the board from the case as described below.**

1. Disconnect the speaker wire from the interface circuit board.
2. For the Elite Infrared model, disconnect the infrared transmitter wire from the interface circuit board.
3. For models that feature a headphone jack, disconnect the headphone wire from the interface circuit board.
4. Disconnect the 25-pin ribbon from the interface circuit board. Note that all ribbons are locked into the receptacles until they are released by lifting the black tabs on each side of the receptacles.
5. Disconnect the 10-pin ribbon near the speaker from the interface circuit board.
6. Once the board is free of all the wire connections, remove the screws that attach the board to the case.
7. Replace the board with the new one, screwing the board into the case.
8. Connect the 10-pin ribbon and 25-pin ribbon into the header. Support the ribbons close to the connectors to avoid over-flexing and bending the ribbon, which can damage it. Press the black tabs on the receptacles down to lock the ribbons into position.
9. Replace the headphone wire (if applicable), infrared transmitter wire (if you have the Elite Infrared Pillow Speaker model) and speaker wire to the new interface circuit board.
10. Adjust the SW1 switch position on your new interface circuit board to match the position of the old board. (See **Figure 1** below.)

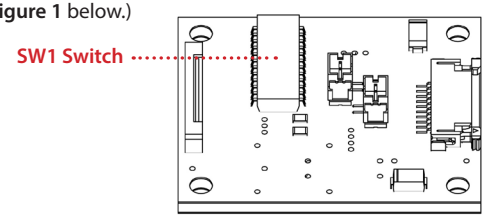


**Figure 1**

**To Close the Pillow Speaker Case:**

1. Place the front of the pillow speaker face down on a flat surface.
2. Ensure that the exterior cable is properly positioned and placed in the front case notch with the rounded edges facing toward the back case.
3. Ensure that all wires are tucked inside as you bring the top and bottom cases toward one another. For the Infrared Pillow Speaker, ensure that the LED wire is threaded around the speaker and away from the edges so it does not pinch between the top and bottom cases.
4. Find the position guide along the top of the pillow speaker interior edge and make sure the back case is centered and positioned using the guide as you fit the cases together. If constant pressure is not kept on the speaker area, the front hook can lose position and detach. Use your hand on the end to apply pressure and keep the top and bottom case in position. Increase pressure down the pillow speaker, applying pressure across the body of the pillow speaker until you hear the hooks snap together and the top and bottom come together at the cable end.
5. Return the case screws into position.