



P/N E-12851R

## Elite Digital™ & Infrared™ Jeron® Provider® 790 Pillow Speaker PCB Assembly Replacement Kit

*For XN, XT, EN and ET pillow speaker part numbers*

Part number can be located on back of the unit

### Introduction

These instructions will assist you in replacing the Elite Infrared and Elite Digital Jeron Provider 790 Pillow Speaker Entertainment PCB Assembly.

### Programming (Elite Infrared only):

Use the instructions provided to program the pillow speaker to the device code (TV or DVD, depending on the model) after replacing circuit board.

### WARNING

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

## Instructions

Please follow these instructions closely and reference the video instructions on the Crest website at [www.cresthealthcare.com](http://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. Remove the exterior case screws.
3. For **EN/ET** pillow speaker models, separate the case halves.
4. For **XN/XT** pillow speaker models, 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 circuit board requires disconnecting all the parts from the board & unscrewing the board from the case as described below.

1. Disconnect the ribbons from the circuit board. Note that all ribbons are locked into the receptacles until they are released by lifting the black tab on each side of the receptacle.
2. Disconnect the pillow speaker cable from the circuit board.
3. Remove the connections of speaker, microphone, headphone (if present), IR LED (if present) from the circuit board.
4. Once the board is free of all the wire connections, remove the screws that attach the board to the case.
5. Replace the board with the new one but make sure microphone is in proper place on the holder.
6. While placing the board on the front case pass the entertainment overlay's ribbon through the slot hole on the middle of the PCB and screw the board to the case.
7. Connect the ribbons 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.
8. Connect all the wires to proper header connections and finally connect the pillow speaker cable to the circuit board.
9. If the pillow speaker is a POT model there will be an add-on board. Remove that board from the old circuit board and connect it to the new board at the exact same location.
10. Adjust the SW1 switch on the new circuit board to the same position as on your old board. SW1 will be on the upper left hand corner of PCB.

### 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 **EN/ET** pillow speaker models, skip to step 5.
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.