

With the perceived increased risk of sending devices containing rechargeable Lithium-ion batteries by air, postal authorities in New Zealand have dramatically increased the cost of sending Telerein CIT to customers overseas, adding \$150 to the cost, which has resulted in some hesitation from potential buyers.

If the unit is dispatched without the battery, it is possible for the customer to buy the battery locally, and fit it in the device themselves, decreasing the shipping cost dramatically.

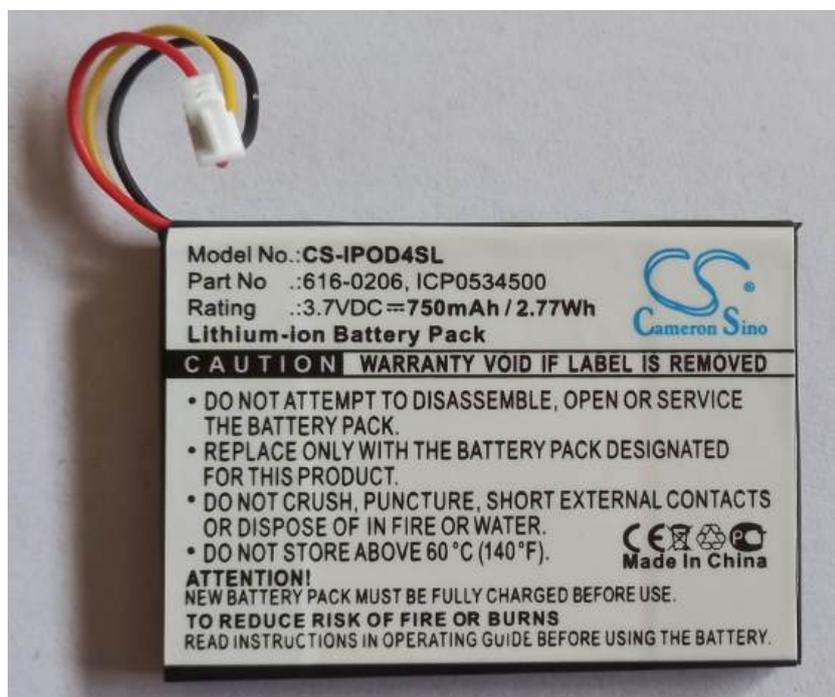
This photo essay describes one solution to this problem, putting the installation of the battery into the purchasers hands.

Before proceeding you will need the following.

- A battery. You need to be able to source this yourself. The battery used is intended for an older Apple product, the IPOD, and typically goes under the part number IPOD4SL.

These will normally be available from any retailer that sells a wide range of after market batteries.

If they are not immediately available, they will normally bring them in from China for you. You could also bring one in from China yourself.

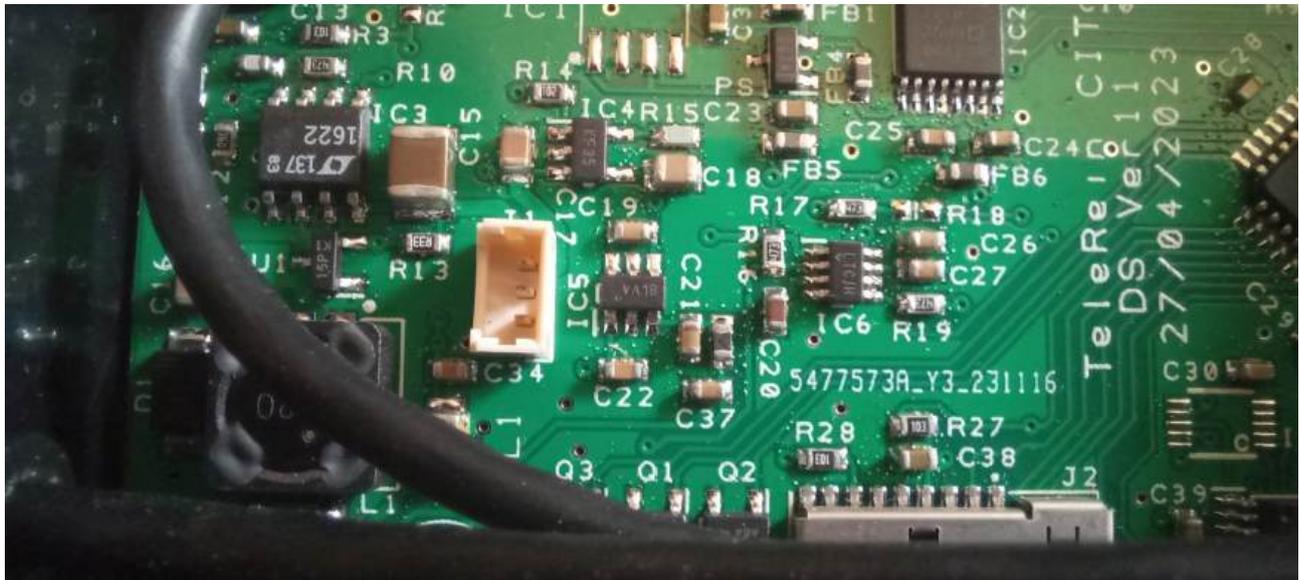


- A suitable small posidrive screwdriver is available.



- That your close vision is good and you feel confident in handling small objects, in particular the connector on the battery, which is polarised and will only fit in the socket on the Printed Circuit Board in one orientation.

The three pin connector is visible centre left in the image below.



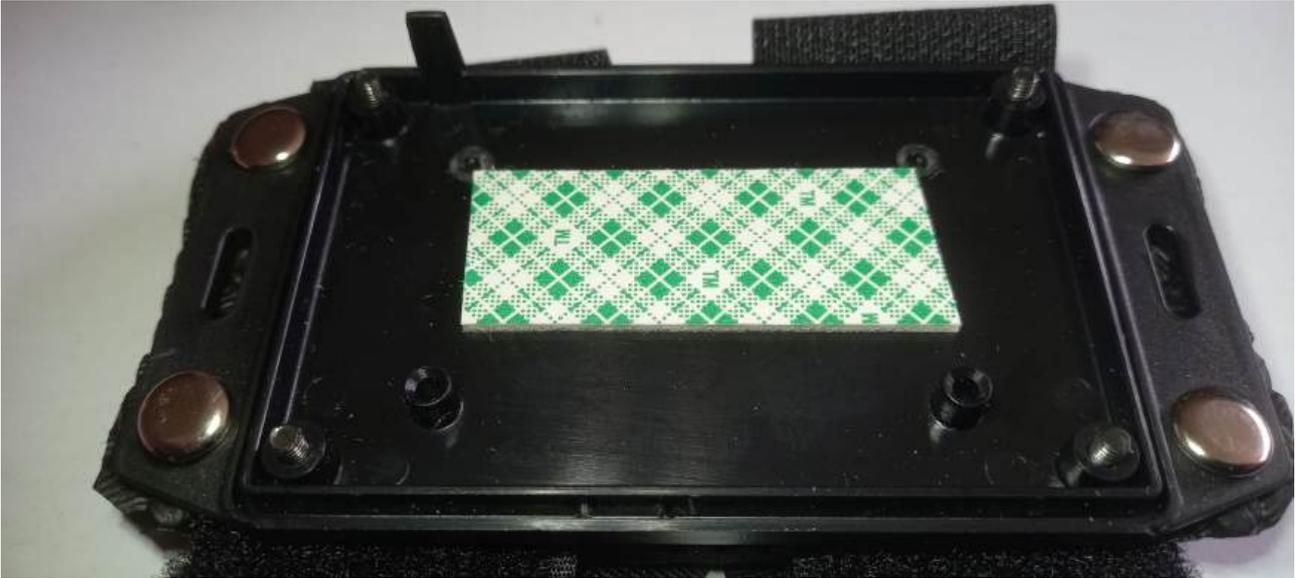
The unit will be sent minus the battery, the four screws that secure the base to the plastic enclosure are sent in a separate packet, double sided sellotape will be affixed to the lid of the case, and the sponge rubber piece that sits between the printed circuit board and the double sided sellotape in the lid is sitting in place within the unit.

Having obtained the battery, separate the base of the case from the lid. Remove the sponge rubber packing.

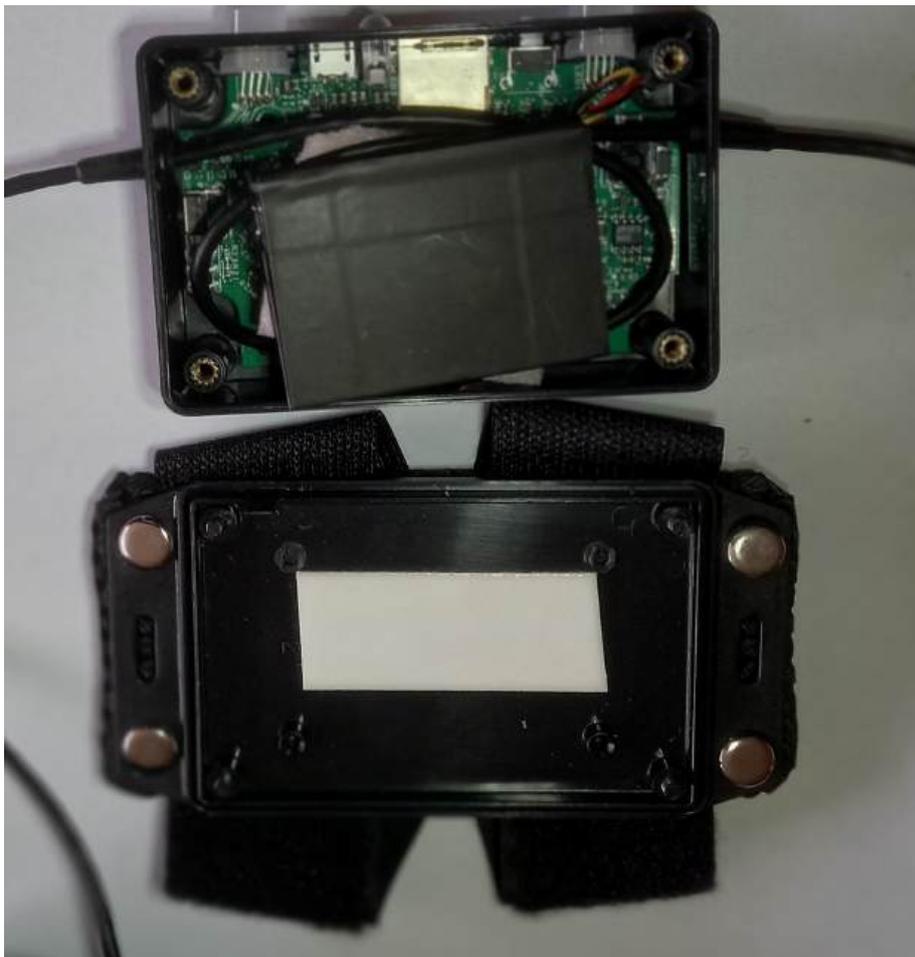
Plug the battery into the board connector, see the correct orientation in the photo. It should go in easily, make sure it is fully seated. The battery lead is short, which makes the fitting of it awkward, but quite doable. Make sure the battery cable passes below the two black cables.



Prepare the case lid by removing the tape off the double sided cellotape.
Note the protruding tab at the top edge of the lid. When placing the lid on the case, make sure the tab is on the side of the case away from the Light Emitting Diodes.



Place the sponge rubber (with the yellow tape towards the printed circuit board) in the case.
Sit the battery on top of the sponge rubber packing, make sure that the black leads from the load cells (the devices on the ends of the cables) are arranged as shown in the photo.



Place the lid on the case, making sure it seats correctly.

Screw the base to the case lid. The screws are accessible by gently pulling back the padding on the base of the unit. Take each of the screws from the packet, insert them in the holes in the base and screw them down. Make sure that they are straight when inserted, if they don't screw in easily, then back off and try again in case the threads are crossed. They should tighten easily.



When finished, power the unit on and verify that it starts. If not, charge the unit for a few hours (the blue LED should be on during this process)

If you don't feel confident about carrying out this process, a competent electronics service person would be able to do it for you.