

BATTERY REPLACEMENT – XIEGU X5105

PLEASE NOTE: THIS DOCUMENT IS PROVIDED FOR INFORMATION PURPOSES ONLY. ANYONE USING IT DOES SO ENTIRELY AT THEIR OWN RISK, THE AUTHOR WILL NOT ACCEPT ANY RESPONSIBILITY WHATSOEVER FOR ANY ISSUE/S ARISING FROM ITS USE IN ANY WAY OR FORM.

Before you start, if your X5105 is still under warranty, please ask your supplier whether opening it to replace the battery will invalidate your warranty or not. Also bear in mind that even if it won't, any damage you may cause to the radio during the course of doing so almost certainly will NOT be covered, so please take care.

Tools required:

- 1.5 mm hex (Allen) key
- 2.0 mm hex (Allen) key
- 14 mm box spanner or adjustable wrench
- Small Philips screwdriver
- Low power soldering iron if replacing the backup battery

1. Remove the side frames by unscrewing the eight Allen screws arrowed in the images below:



2. Place the frames to one side and remove the side panels by unscrewing the eight Allen screws arrowed in the images below:

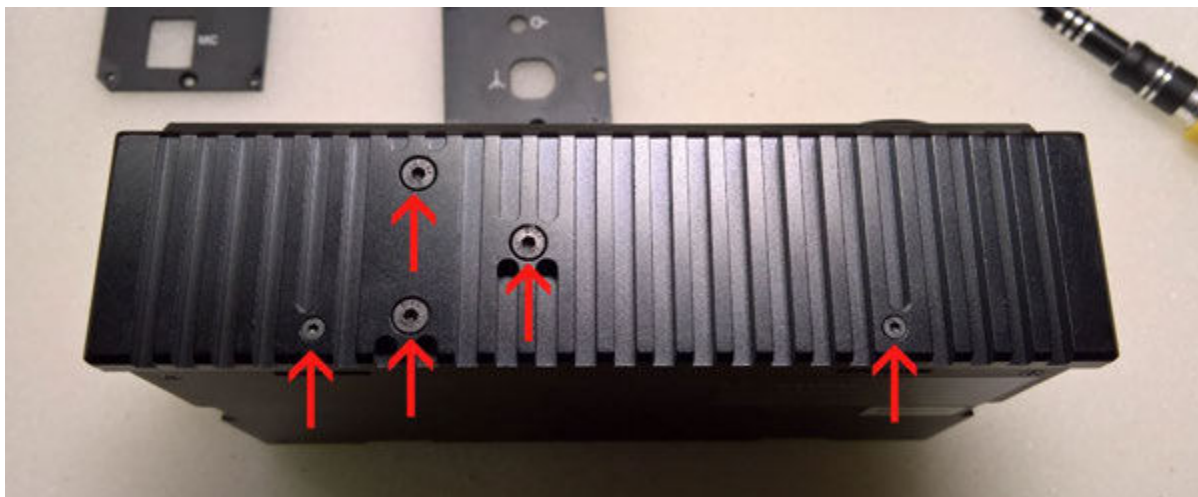


3. Using the 14 mm spanner, remove the collar from the BNC socket as shown below:



4. Remove the side plates and set them aside.

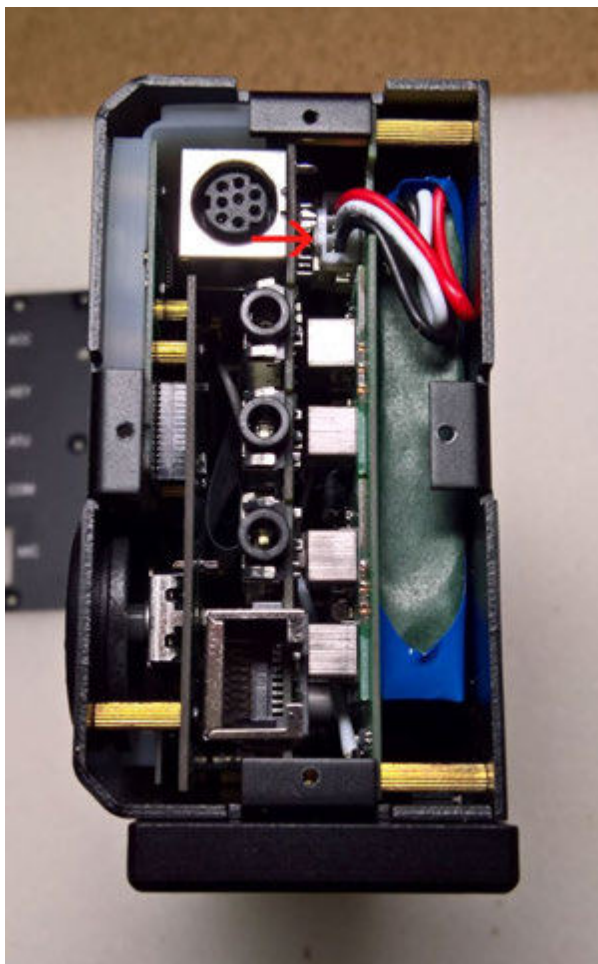
5. Unscrew the heatsink and set it aside:



6. Remove the two screws on the top:



7. Disconnect the internal battery:



8. Remove the back cover:

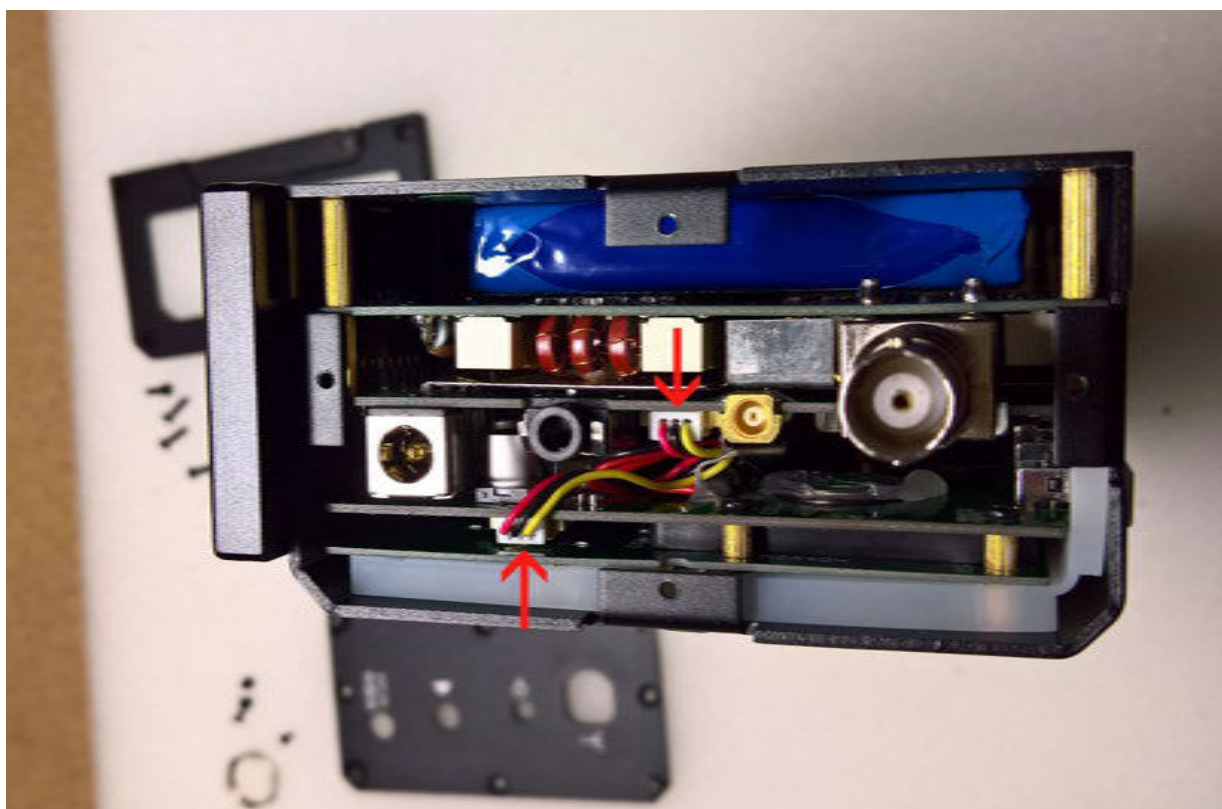




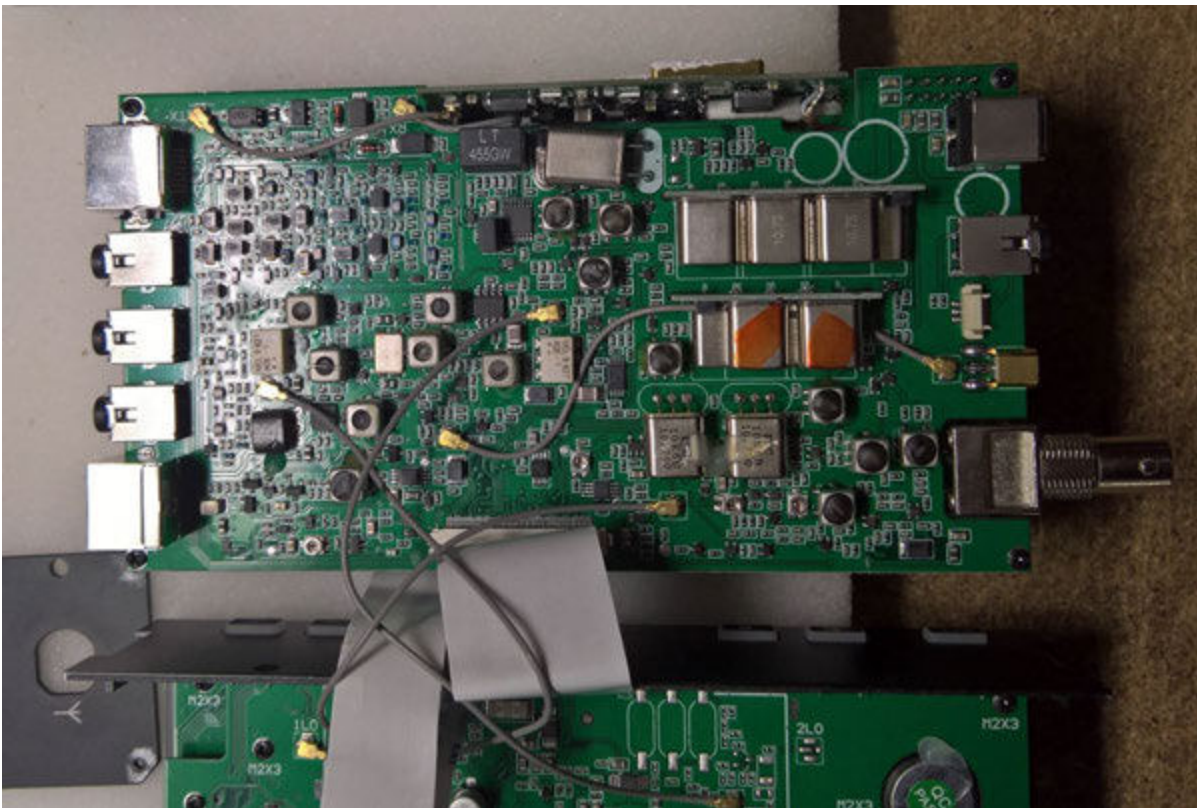
9. The battery is fixed to the inside of the back cover using double sided tape. It can now be removed and replaced in the same manner.

10. If you wish to replace the memory battery, the following additional steps are required:

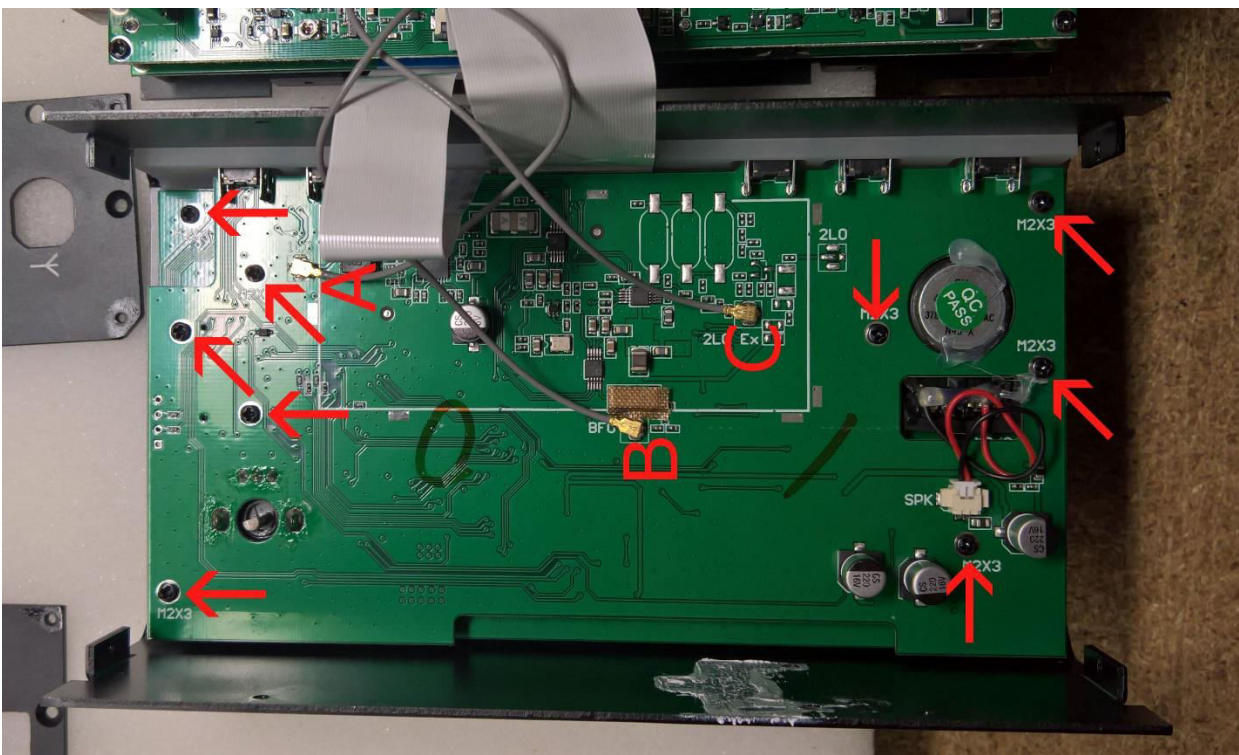
11. Disconnect the cable linking the two circuit boards as shown below:



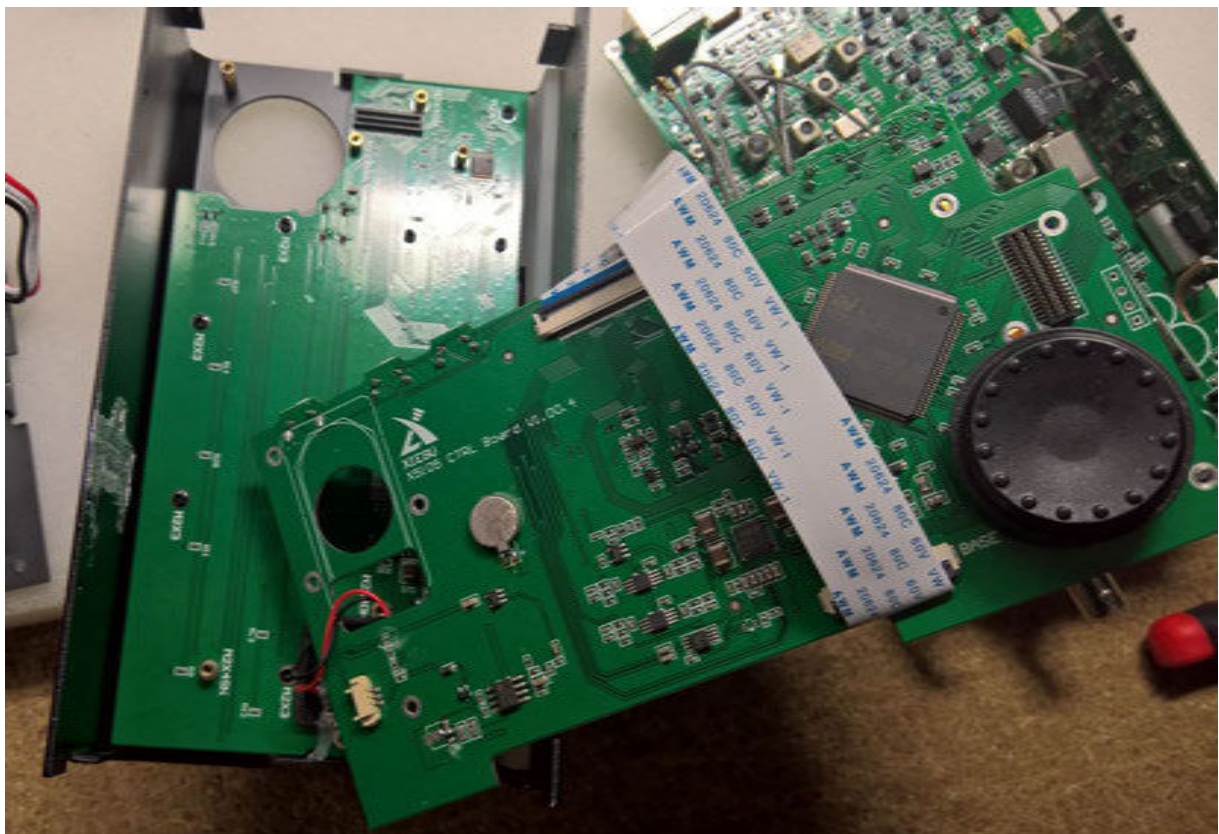
12. Remove the centre circuit board assembly as shown (the two ribbon cables can be disconnected but it isn't necessary):



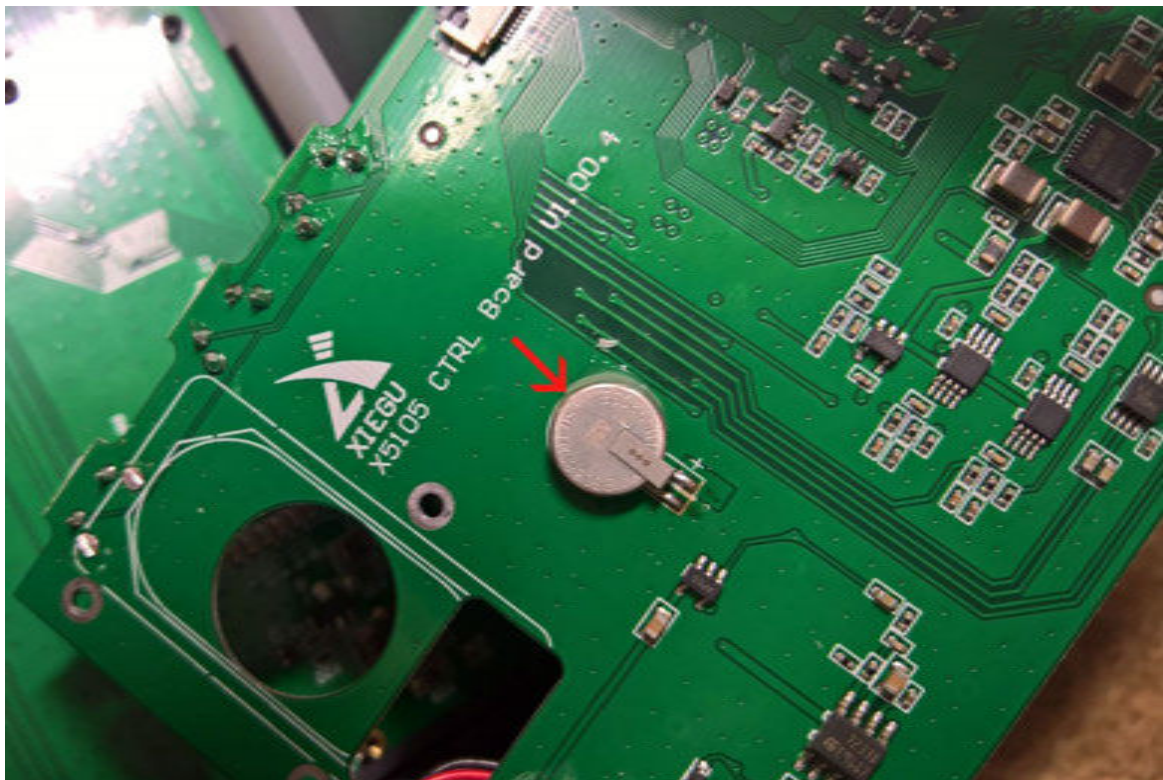
13. Carefully disconnect the coaxial cables marked A, B and C in the photo below. Note where they go so you can put them back in the right place when reassembling the unit. Remove the nine screws arrowed below:



14. Carefully lift the circuit board up and turn it over to reveal the location of the backup battery:



15. The backup battery is 1 3V Lithium cell, type MS920SE. It has to be de-soldered from the PCB and a replacement soldered in its place:



16. As they say in the classics, reassembly is the reverse of disassembly...