

BATC DXT1 DVB-S Encoder / Modulator Enclosure.....How to Assemble a Complete Unit.

1. The base of the enclosure is of a 'U' section extrusion; it also has a couple of PCB stops located in the lowest PCB guide grooves on each side of the box, where the PCB slides into the enclosure. Note the PCB stops 'must' be at the front of the unit. Two plastic bezels are used on the front and rear of the unit with a front and rear aluminium front and rear plate attached on the outside of the bezel and a membrane switch panel mounted on the front.

2. Unpack the enclosure parts, these should include:
 - 1 x 'U' Section extrusion with removable sliding top.
 - 2 x Black plastic bezels
 - 1 x Aluminium Front Panel
 - 1 x Aluminium Rear Panel
 - 1 x Membrane keypad
 - 8 x Self-tapping screws
 - 4 x Rubber feet



3. Remove the top section of the enclosure by sliding it off the top of the 'U' section, ensure the top section slides on & off easily as this will aid in removal at a later date to access the internals if required.



4. Slide the plastic bezel onto the front of the unit, ensuring the plastic bezel tapers toward the rear of the unit.



5. Place the front aluminium panel into the front bezel and secure with four of the countersunk self tapping screws provided.



6. Ensure front countersunk screws are tight, level with the surface and the front aluminium panel is secure. Remove the peel-able protective cover from the inside of the front membrane window (this is just to protect the window during transportation / handling).

7. Remove the protective backing of the membrane keypad to reveal the adhesive layer, and fix the self adhesive membrane panel onto the aluminium panel, ensuring the switch ribbon cable is fed carefully through the small slot in the aluminium panel. Carefully position the membrane and once in position apply even pressure to fix the membrane securely. Note: this is a permanent adhesive and care should be taken to ensure this is correctly positioned on the front panel before allowing the adhesive to come into contact with the panel.



8. On the DTX1 board, remove the peel-able protective film from the front of the LCD display, again this film is there just to protect the LCD window during transportation / handling.

9. Place one of the 'F' type nuts provided onto the 'F' type connector and screw this all the way onto the connector, as far as it will go.

10. Slide the PCB into the unit from the rear using the lowest PCB slots on either side the of the enclosure, the board will slide up-to the PCB stops fitted within the front of these grooves.



11. Connect the keypad ribbon cable onto the Keypad connector on the PCB.

12. Slide the enclosure top aluminium plate from the rear of the unit into the top panel mounting groove (where the screws attach). Note: this top plate has two chamfered corners, which need to go toward the front of the unit. Slide this plate all the way to the front, ensuring the top plate finishes flush with the rear of the unit.



13. Place the rear plastic bezel (identical to the front bezel) onto the rear of the enclosure with the taper toward the front of the unit so that looking side on the two plastic bezels taper toward the centre of the unit.



14. Insert the rear Aluminium panel into the rear bezel ensuring all the connectors fit neatly though the holes provided. Note the rear panel provided is a 'dual' panel and as such has the upper row of holes provided for a second channel daughter card, which can be fitted at a later date if required to upgrade the unit.



15. Attach the rear Aluminium panel to the enclosure using four of the countersunk self tapping screws provided.

16. Place the star washer and then the second nut onto the 'F' type connector and tighten down, being careful not to scratch the rear panel.



17. Fix the self adhesive rubber feet to the underside of the enclosure in the four corners if and as required.

18. To Remove the PCB from the enclosure simply
- Remove the 'F' type locking nut & star washer.
 - Remove the four screws front the back panel.
 - Slide off the rear back panel and black plastic bezel.
 - Slide off the top of the enclosure towards the rear of the unit.
 - Unplug the keypad connector.
 - Slide the PCB out of the rear of the unit.