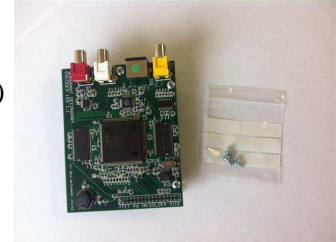


BATC DXT1 DVB-S, second channel EncoderHow to Assemble onto the main board.

1. The DTX1 Secondary encoder is an add-on daughter board that will allow the encoding and modulation of a second channel within the output transport stream. This board is supplied as a plug in board that simply plugs into the DTX1 main board via 3x18mm hex spacers and is secured to the main board with 3 x M3x6 mounting screws.

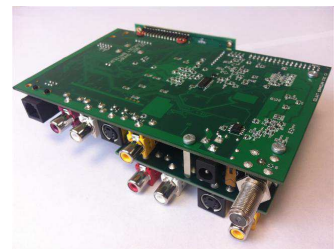
2. Unpack the secondary channel components, these should include :
 - 1 x Secondary Channel Daughter board.
 - 3 x 18mm Hex mounting spacers (pre mounted on the board)
 - 3 x M3x6 mounting screws.



3. Plug the DTX1 secondary encoder into the socket on the main DTX1 board (P6), ensure all the pins are straight and are correctly aligned with the socket on the main board. The pins, once fully seated, will still be visible above the main board connected as shown. i.e. above 8mm of pin will be visible between the two boards, this is correct and the pins are fully inserted at at this point. The Daughter board is spaced from the main board with 3x18mm hex spacers, these will secure and hold the daughter board at the correct height above the main board.



4. The 3 x Hex spacers will line up with 3 mounting holes in the main board. Turn the board over and insert the 3 M3x6 screws to secure the Daughter board in position.



5. If the unit is to be case mounted into the DXT1 extruded aluminium enclosure, ensure that the rear panel of the enclosure is of the dual encoder type, (dual rear panel is supplied as standard with the DTX1 enclosure) these have the extra holes to accommodate the second channel connectors.

NOTE: The Firmware of the main unit will auto detect the second channel daughter board and present this as a second channel with in the transport stream. Please ensure the second channel parameters are set-up after installing the daughter board. By default the first channel is set to use all the available bandwidth within the transport stream and as such the bit-rates for CH1 and CH2 will have to be adjusted to keep the total bit-rate of CH1 + CH2 below the maximum available bit-rate based on the available bandwidth. If the total bit-rate is set to high then the main DTX1 unit display will show 'MUX OVERFLOW' indicating that the requested bit-rates will not fit within the available bandwidth available.