

INSTALLATION NOTES FOR MODULAR DEMUX

The Anytronics Modular Demux is a 1 unit high 19" enclosure comprising a PSU and a mother board populated with the DMX decode circuitry and all necessary sockets to allow the connection of up to six of the Anytronics 16 channel DMX to 10v cards. These are available in analogue switched and strobe output versions.

Although the cards on an individual basis are capable of providing about 5mA per output the limits of the power supply dictate that only 100mA is available for the output stages, this equates to about 1mA per channel when the mother board is fully loaded, which is adequate for all high impedance circuits such as those commonly used on dimming packs which is where this product is most likely to be used.

The Modular Demux will probably leave the factory or distributor fitted with the cards to meet the customers requirements, if however you need to purchase more cards and fit them yourself the procedure is as follows.

All unused positions on the front panel for the address switches and status LEDs will be covered by a blank panel held in place with two plastic push fit studs, these are more easily removed when the lid has been taken off.

To remove the lid firstly undo the ten screws three on the front and back and two on each side. Then slide the lid forwards far enough for the front panel to clear the On/Off switch (about 10mm) before lifting the lid off completely. (On the early models you will need to carefully ease the left hand side of the lid clear of the screw heads holding the power supply board in place). Next remove the blank panel from the position you wish to use for the next card. Then take the card to be fitted and holding it at a slight angle so that the edge nearest the rear of the unit is slightly higher position it so that the address switch and LEDs go through the rectangular hole in the chassis. Carefully lower the back edge of the card ensuring that the three pin headers on the bottom of the PCB locate into the three sockets fitted on the mother board, and that the three holes line up with the three spacers, two on the mother board and one on the chassis, then fit the screws supplied. Replace the lid taking care to line up the data and test LEDs with the holes in the front.

As each card has its own address switch up to six separate start addresses will need to be set, although these can be set at any address we would imagine that they will probably be set sequentially ie the first card on address one the second card on address seventeen the third on thirty three and so on. The start address being the sum of those switches set to the "on" position.

Because the primary DMX decoding is done on the mother board there is only one load being presented to the DMX line even though there maybe as many as six separate cards installed. The male and female 5 pin xlr sockets on the rear of the unit are connected in parallel, there is no buffering taking place therefore the Demux does not need to be powered up to maintain the DMX chain, if it is not being used.

The eight pin Din sockets for the analogue outputs on the rear have the following pin out
Pins 1>6 = channels 1>6 pin 7 is not connected and pin 8 = 0v.