

XTBA RACK-DAC 48 CHANNEL DECODER

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XTBA

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The XTBA RACK-DAC DMX48 Decoder is a simple, inexpensive and reliable method of converting DMX512 to 48 channels of analogue - but you knew that already, as you have just bought the unit and unpacked it..... so here is how to connect the unit up together with a few 'handy hints'.

The unit is available in three formats: positive output voltage, negative output or current drive. The unit is set as positive output unless otherwise marked.

Operation

The DMX48 will decode all variants of DMX512 (including some dodgy ones). So if the DMX48 doesn't understand, you have either a connection problem or you are feeding the DMX48 something that is not DMX.

Displays

With all the connections correctly made on power up the red power Led will light. When DMX is running the green data light will light. If there is no data light either there is no data (simple), the data is not even close to DMX or the address is set beyond 512.

Output Connections

The DMX48 will output between zero and 8 to 10V DC set with the front panel trim, with a maximum current rating of 4ma per channel . The unit is factory set for 10V.

Pin out on the D25 is as follows for all versions:

Pins 1-24	Channels 1-24 or 25-48
Pin 25	Control Common

Both connectors have identical pin outs - (some days we just get lucky!)

Data Termination

The DMX loop through socket provides a method of daisy chaining units or other DMX controllers. The last unit in the chain should be terminated with 120R resistor across pins 2 and 3 on the XLR. The system will probably work fine without this until the moment during the show, generally at the most critical point, when the line can take it no longer and the system 'falls over'.

POWER SUPPLY

The mains input to the transformers is via a 2A a/s fuse. A spare fuse is provided in the input connector block on the rack unit.

19" RACK MOUNTING

The XTBA 48 channel decoder is provided with a pair of 'ears' for fitting into a 19" rack frame. The ears are fitted to the unit by removing the two screws on either side at the front of the unit. The stick on rubber feet (used when the unit is free standing) will need to be removed from the underside of the unit.

Technical Specifications 19" Rack.

Dimensions	230/270mm inc.front handles x 430mm x 40mm
Weight	4.0 Kg
Power	210/255V AC Nominal 2A 240V AC
Data	DMX512 1986/1990
Pin Configuration	Pin 1 Common, Pin 2 minus data, Pin 3 plus data.

General Information

This product may only be used for controlling dimmers and moving lights. It must not be used in DMX512 applications for stage machinery or pyrotechnics. Using the product out of these specifications will remove all responsibility from the supplier.

CE Declaration of conformity

XTBA declares that the following equipment meets the requirements of the EMC Directive 89/366/EEC.



WEE/FC2753ZS