

XTBA DALI TO DMX 64 CHANNEL CONVERTER - DIN RAIL

XTBA

35 Fernleigh Road London N21 3AN

 +44 (0)208 882 0100  +44 (0)208 882 9326
e. mail dmx@xtba.co.uk www.xtba.co.uk.

XTBA DALI TO DMX 64 CHANNEL Manual Page 1 of 2

Product #04803 - 07/2011

© XTBA 1986 – 2012

XTBA DALI to DMX CONVERTER DIN RAIL

The XTBA DALI to DMX unit will convert up to 64 channels of the DALI protocol (the DALI limit) to the DMX512. This could prove useful in a DALI installation if some DMX fixtures (LED lights, moving heads etc) need to be added without the need for additional DMX control.

On power up the red LED will be lit. If DALI is being received and understood the green LED will be lit. The incoming DALI will be converted to DMX512 on a byte to byte basis. The unit transmits all 512 DMX channels. The first 64 are used for the conversion the remainder are set to zero.

Treatment of channel one

The DALI standard offers an address range between 0 and 63 (64 addresses in all). DMX has no address zero so any DALI address received as zero would be lost. So in order to utilise all the DALI information received, DALI address zero will be translated and transmitted as DMX channel 64.

DALI Global Command

The DALI to DMX converter will respond to a 'Global Set All Levels'/ 'Broadcast Set Level'. All 64 DMX channels will be set to the received 'broadcast' level.

Hold last frame/ lose last frame

In the event of DALI data input loss the board can be configured to hold the last data received or to clear the received data. This is set by the option switch. If set towards the microcontroller the unit will keep the last DMX frame on data loss.

DIN ENCLOSURE PIN OUT - as marked on the unit

TERMINAL	FUNCTION
4	DALI IN note DALI is not polarity sensitive
5	DALI IN note DALI is not polarity sensitive
7	MAINS EARTH not required but available for loop through
8	MAINS NEUTRAL
9	MAINS LIVE
10	DMX COMMON – XLR PIN 1
11	DMX MINUS – XLR PIN 2
12	DMX PLUS – XLR PIN 3

TERMINALS 1,2,3,6 not fitted

Specifications

Size = 4 DIN MODULE, WIDTH = 70mm

DMX Output = DMX 1990, 120us Break, 12us MAB

512 DMX channels

Mains Input = 230VAC - Internally fused @ 2A