# XTBA SMART MERGE AD

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# XTBA

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**XTBA Analogue Merge** is a 1U 19" rack unit that will merge up to 24 channels of 0 to +10 volt analogue control and a DMX data stream into a single DMX512 output signal.

The XTBA Smart Merge A-D will allow older analogue equipment and custom-built controllers to be added into any DMX512 installation.

The 24-channel analogue input block may be moved, via the three offset code switches, to any position in the DMX output stream, allowing for analogue control of any channel. The number of analogue channels used may be decreased from 24 down to1 via the two length code switches. The length function is useful if the unit is set to overwrite using internal SW2 switch so unused analogue channels do not overwrite DMX channels.

# DISPLAYS

System Run - the red LED will flash when the unit is powered up and running.
DMX In – the green LEDwill be lit when DMX512 is present on the input. The LED will flash if the data is not DMX or is corrupted data.
Ch Full – the green LED will be lit when any channel on the analogue input is at 100%. This allows the analogue input to be set up to ensure maximum control. If any input is greater than 10 volt, the LED will flash.
Block Error – the yellow LED will be lit if the block length switch setting is incorrect, e.g. over 24 channels or channels are being lost e.g. beyond the 512 limit.

**INTERNAL SETTINGS – factory setting is SW1 to SW3 off.**
SW1 OFF = Hold last frame - in the event of DMX data loss, the last output will be retransmitted.
SW1 ON = Release last frame – in the event of data loss the output will go to zero
SW2 OFF = Highest takes precedent - compares the DMX to the analogue and outputs the higher value.
SW2 ON = Overwrite - the analogue input level will replace any DMX input value.
SW3 ON = Input filtering for noisy inputs.
SW3 OFF = Input filtering off.

Pin Out
D Shell Pin 1  -  Channel 1 In
D Shell Pin 24 -  Channel 24 In
D Shell Pin 25 -  Analogue Common

19" RACK MOUNTING

The rack version of the XTBA Smart Splitter 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 | 230/265mm inc.front handles x 430mm x 32mm |
| Weight | 4.0 Kg |
| Power | 190/250V 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 this equipment meets the requirements of the EMC Directive 89/366/EEC.

WEE/FC2753ZS