



DT 221 DMX Merger

Description

The DT 221 is a 2 input 1 output DMX512 Merger with 3 operation modes. It can be used for using 2 light controllers on one DMX line or for backup using a second lighting desk.

On the front there are 3 LED's indicating:

- On  Unit has power and is working
- DMX A  Valid DMX 512 is on input A
- DMX B  Valid DMX 512 is on input B

The 3 BCD encoders are used to set the operating mode.

- 000  LTP Operation
- 001 to 512  HTP Operation with offset
- 999  Priority Operation

LTP Operation

The output DMX is generated using both data of input A and B. Each channel on A and B is compared and the last that has changed will be on the output. Channel 1 from input A is compared with channel 1 of input B, 2A with 2B, 3A with 3B, and so on. This operation is usefull when using the lighting desks to control intelligent fixtures.

HTP Operation with offset

The output DMX is generated using both data of input A and B. Each channel on A and B is compared and the one with the highest value is on the output. Input B is shifted with offset (set by the BCD encoders), so channel 1 from input A is compared to channel (offset) from input B, 2A with (offset+1)B, and so on. Example offset is 100: compare 1A with 101B, 2A with 102B, ... This Mode is useful for using two lighting desks (one for moving lights and one for dimmers) on one DMX line.

Priority Operation

The output DMX is generated using DMX input A, but only if the input A has valid DMX 512. Otherwise DMX input B will be on the output. This mode is useful as backup, connect the main lighting desk to input A and a backup desk to input B. If the main desk fails, the merger will switch over to the backup desk (with a timeout of 1 second).

Connections

DMX connectors are on 3/5 pin XLR, pin out:

1 = Shield

2 = Data –

3 = Data +

4/5 = not used

CE – Product

The **DT221** System permits to the CE requirements set up by the European Community. This can be recognized by this label on the outside of the product.



Technical Specifications

DT221:

Output: DMX 512 (1990) on 3 or 5 pin female XLR

Input: DMX 512 (1990) on 3 or 5 pin male XLR

Signalisation: 3 Leds

Power: 115 or 230 VAC 50-60 Hz 6VA max

Dimensions table top unit 200 x 50 x 150 mm

Weight: 1.4 kg

Designed and manufactured in the Netherlands by:

ELC lighting

Worldwide distribution:

Distributed By :

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