

# USER'S MANUAL

## Bravo DMX Merger 4 into 1

### Introduction:

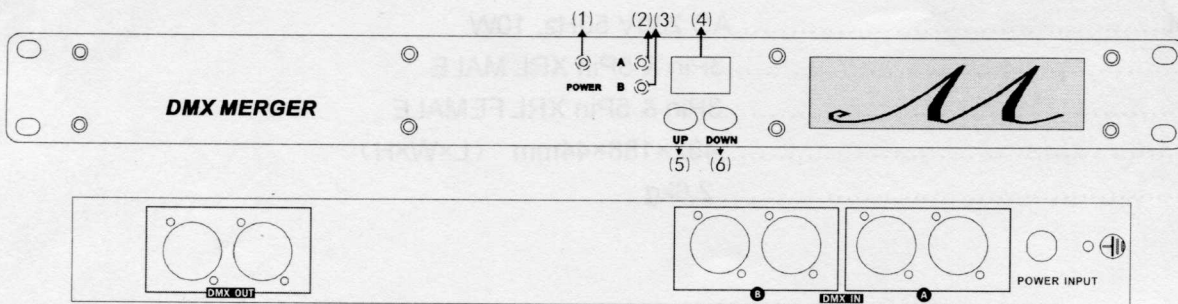
The unit is a 2 input 1 output DMX 512 Merger with 3 operation modes. It can be used for using 2 light controllers on one DMX line or for backup using a second lighting desk. You can get a 512 channels DMX controller. Please read the manual carefully before you use the unit. Thanks for you to purchase our goods.

### On the front there are 3 LEDs 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.

### Set the operating mode by UP/DOWN:

- 000 LTP operation;
- 001 to 512 HTP operation with offset;
- 999 Priority operation.



- 1). Power and working LED.
- 2). DMX output will be A LED indicator.
- 3). DMX output will be B LED indicator.
- 4). Function display to set up offset.
- 5). UP button
- 6). DOWN button

### 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 useful when using the lighting desk to control intelligent fixtures.

### HTP operation:

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 (Display), So channel 1 from input A is compared to channel (off set) from input B, 2A with (off set+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 dimmer) 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 time of 1 second).

### Connections:

DMX connectors are on 3/5 Pin XLR Pin out:

- 1 = Shield
- 2 = Data -
- 3 = Data +
- 4/5 = Not used

### Technique data:

Power input:.....AC 230V 50Hz, 10W.  
DMX IN:.....3Pin & 5Pin XRL MALE  
DMX OUT.....3Pin & 5Pin XRL FEMALE  
Dimension:.....482×188×44mm (L×W×H)  
Weight:.....2.6kg

### Caution:

1. This apparatus must be earthed.
2. Do not apply power source before completely installation.
3. Always disconnect from mains before replacing the fuse.
4. To reduce risk of fire or electrical shock .do not expose to rain or moisture.
5. Do not try to repair it when the circuit is out of order .Send it back to your supplier for repairing.