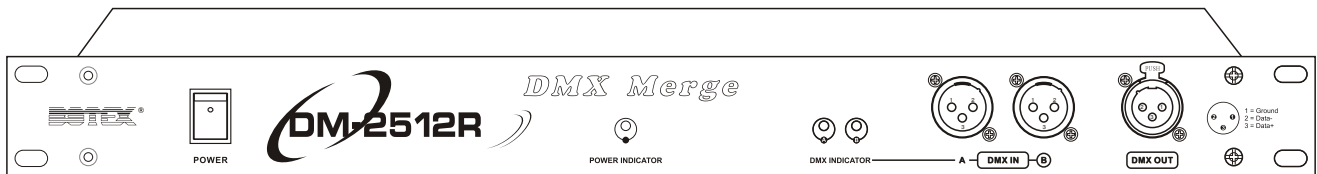




DM-2512R

DMX Merge

User Instructions



Product Descriptions

Thank you for your purchase this DMX merge unit-19"/1U rackmount. It allows the unit to combine the output of two DMX Sources. There are 4 operating modes for each DMX Merger, consisting of HTP mode, Backup mode, Merge mode and LTP mode.

For technical support please contact your BOTEX Distributor or the nearest BOTEX Office.

Operating Mode Selection Dip Switch(SW2)

1. Before operation, ensure the present power & DMX setup connection are correct. Then switch main power on.
2. When both of two DMX signals are present , DMX indicators A and B will be lit up to indicate two ways (considered from the A source and the B source) signal inputs.

Note: If only one way signal input is available, the relative DMX indicator A/B will be lit up.

3. Operation Modes Selection

There are four function operation modes for your selection, available in HTP (Highest Takes Precedence) mode, Backup mode, Merge mode and LTP mode.

Operating Mode Switch Settings:

Mode Selection	HTP Mode	Backup Mode	Merger Mode	LTP Mode
SW2-1	OFF	ON	OFF	ON
SW2-2	OFF	OFF	ON	ON

HTP Mode



Flip **Switch2**-1 and 2 to "Off" position, this unit will be engaged in HTP (Highest Takes Precedence) mode. When two DMX signals are present, the highest level between two DMX signals will take precedence and override the other DMX signal.

BACKUP Mode



Flip dip-switch 1 to "On" and 2 to "Off" position, this unit will be engaged in BACKUP mode. As long as the A source is supplying valid DMX data the B source will be locked out. On loss of DMX A the B input is automatically enabled.

MERGE Mode



Flip dip-switch 1 to "Off" and 2 to "On" position, this unit will be engaged in MERGE mode, the mode allows the unit to combine the output of two DMX sources. In this case, you must set the DMX starting address in the Merge mode by flipping the dip-switch(the 10th dip-switch is not used) which is severed as the starting channel of the source B.

For example, flip dip-switch 4 to "On" and the others to "Off" position, the 1th to 7th DMX output channels will be controlled by 1-6 channels of DMX signal from the A source, and the 8th DMX output channel will be controlled by the 1th channel of DMX signal from the B source, the 9th output by the 2nd channel of the B source. And the rest may be deduced by analogy.

LTP Mode




Flip dip-switch 1 and 2 to "On" position, this unit will be in LTP (Lowest Takes Precedence) mode. Provided that two DMX signal are present, primarily, DMX signal of the A source will take precedence and override the DMX signal of the B source.

- 1) if both of two DMX signals are not changing at all, DMX signal of the A source will take precedence and override the DMX signal of the B source.
- 2) if only DMX signal of the B source is changing, DMX signal of the A source will NOT take precedence unless DMX signal of the A source begins to changing.

DMX Address Setting(Dip Switch-SW1)

DMX is short for Digital Multiplex. This is a universal binary language used as a form of communication between intelligent fixtures. Each Dip Switch represents a binary value.

Dip Switch 1 address equals 1
Dip Switch 2 address equals 2
Dip Switch 3 address equals 4
Dip Switch 4 address equals 8
Dip Switch 5 address equals 16
Dip Switch 6 address equals 32
Dip Switch 7 address equals 64
Dip Switch 8 address equals 128
Dip Switch 9 address equals 256

			
START CH#	SWITCHES ON	START CH#	SWITCHES ON
1	1	11	1,2,4
2	2	12	3,4
3	1,2	13	1,3,4
4	3	14	2,3,4
5	1,3	15	1,2,3,4
6	2,3	:	:
7	1,2,3	:	:
8	4	:	:
9	1,4	:	:
10	2,4	511	1,2,3,4,5,6,7,8,9

A DMX value(address) is set by combining the different dipswitches that will add up to the value you wish to achieve, for example:

Setting DMX address for 21.

Flip switches 1,3,&5 to the "ON" position

$$\begin{array}{rcl} & 1=1 & \\ & 3=4 & \\ \text{Dipswitches\#} & 5=16 & \text{Value} \\ & \hline & =21 & \end{array}$$

Setting DMX address for 201.

Flip switches 1,4,7,& 8 to the "ON" position

$$\begin{array}{rcl} & 1=1 & \\ & 4=8 & \\ \text{Dipswitches\#} & 7=64 & \text{Value} \\ & 8=128 & \\ & \hline & =201 & \end{array}$$

Technical Specifications

Power Requirement: DC 9V, 1000mA Min.(AC/DC adaptor included)

DMX Input: Two 3 pin XLR male sockets on the front panel
(extra two 3 pin XLR male sockets on the rear panel)

DMX output: Two 3 pin XLR female sockets on the front panel
(extra one 3 pin XLR female sockets on the rear panel)

Dimension: 482 x 73 x 44mm

Weight: 1.15 kg