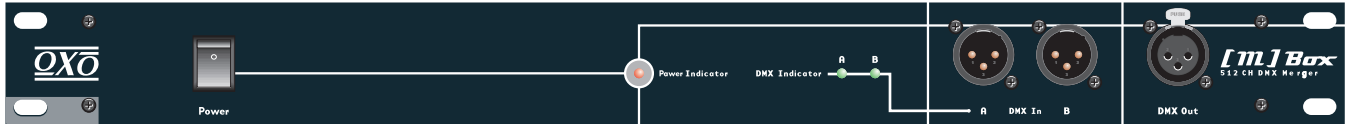# OXO

[M] Box

USER'S MANUAL

Introduction

Thank you for your purchase this 512 DMX Merger. It can be used to merge the two way DMX signal inputs into one DMX signal output for controlling the lighting devices conveniently. It provides 3 function modes to be selected, including HTP mode, Backup mode and Merge mode. And 10-position dip switches are also available, which can be set starting channel of one way DMX signal output in Merge mode.

Cautions

- Be sure that the local power outlet matches that of the required voltage for your unit.

- To prevent fire or shock hazard, do not expose this apparatus under a high temperature or humidity area.

- Do not use immediately in the event of malfunction.

- Do not dismantle or modify the unit, only by qualified staff.

Technical Specifications

Power Requirement: DC 9V, 300mA 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

Operation Guide

1. Connect the cables of lighting control devices to the male DMX Input interfaces and the cable of dimmer to female DMX Output interface in this unit.

    Note: Be sure that the present connection can be correct.

2. When turn the Power switch on, the Power indicator will be lit on, indicating that no power errors occurs in this unit.

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3. When there are signal inputs via DMX Input interfaces, DMX indicator A and B will be lit up to imply two ways (A and B) signal inputs.

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

4. Set the function modes

Be clear that which mode this unit can be set. There are only three function modes for your choice :
HTP (High Take Precedence) mode, Backup mode and Merge mode.

1	2	MODE
		HTP
		Backup
		Merge

HTP Mode

1 2

Set dip-switch 1 and 2 to "Off" position, this unit will be in HTP (High Take Precedence) mode. When two DMX signals are present, the bigger value DMX signal will take precedence and override the other DMX signal.

BACKUP Mode

1 2

Set dip-switch 1 to "On" and 2 to "Off" position, this unit will be in BACKUP mode. When DMX signal A is available, it will occupy DMX output. When DMX signal A is not available, DMX signal B will take the place of A.

MERGE Mode

1 2

Set dip-switch 1 to "Off" and 2 to "On" position, this unit will be in MERGE mode, you can merge DMX signals A and B into a new one for DMX output by the setup of dip-switches 1-9. In this case you must set the DMX starting address in the Merge mode.

For example, if the 6 channels of DMX input A   and the 18 channels of DMX input B works normal, you can set dip-switches 1, 2, 3 to "On" and the others to "Off" position, the 1th to 6th DMX output channels will be controlled by 1-6 channels of DMX signal A, and the 7th DMX output channel will be controlled by the 1th channel of DMX signal B, the 8th output by the 2nd channel of DMX B, and so on. In this way, the two signals can be merged into one signal output of 24 channels.

Note : If you set dip-switch 1 to "On" and the others to "Off" position, all DMX channel output will be started by the 1th channel of DMX signal B.

Here are DMX Address Setting Diagram and DMX Address Table for matching dip switches as your reference.

DMX Address Setting

Dip-switch # 1 2 3 4 5 6 7 8 9 10

on / off

(1) (2) (4) (8) (16) (32) (64) (128) (256)
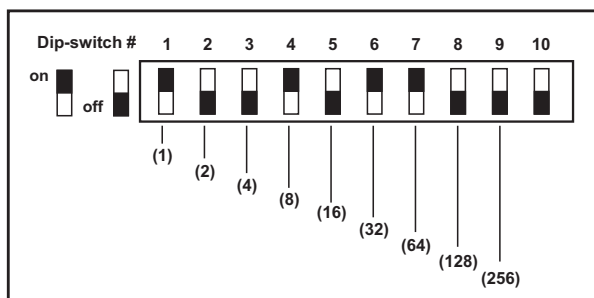
DMX Address Table

DMX B START CH#	DIP-SWITCHS ON	DMX B START CH#	DIP-SWITCHS 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	16	5
7	1, 2, 3	:	:
8	4	:	:
9	1, 4	:	:
10	2, 4	511	1,2,3,4,5,6,7,8,9