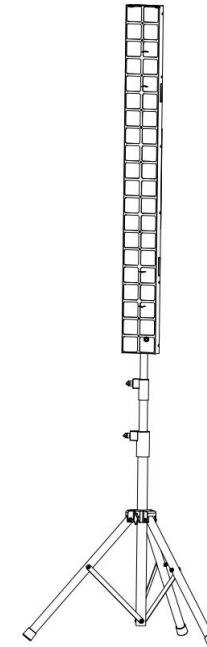


MS-MTX40-RGB

40pcs SMD Matrix Lights



(SMD RGB)



User Manual

Please read this manual before use



I . Unpacking Inspection:

No.	Item Name	Qty	Unit
1	40pcs SMD Matrix Lights	1	Set
2	0.75squ 1.5m power cord with blue head	1	Piece
3	User Manual	1	Piece
4	Hanger	2	Piece
5	Light hook (optional with models)	Optional parts	
6	Safety Rope		
7	DMX Signal Wire		
8	Stand		

★For the sake of safety and according to the terms and conditions, unauthorized reorganization or modification of this product is not allowed. Please note that damage to the product due to improper use is not covered by our warranty. Moreover, unprofessional operation may cause short circuit, burn or electric shock, etc.

★This equipment has been strictly inspected before shipment, please follow the operation requirements of the manual to ensure the safe operation of the product under normal conditions.

★Any damage caused by improper operation will lead to the termination of the warranty claim. The manufacturer does not accept any responsibility for any property damage and personal injury caused by improper operation of the product or failure to follow the operating instructions.

★Please keep the manual in a safe place for future reference and pass it to the new owner after the product is sold or rented or moved.

★Note: Due to our company's continuous product improvement, the data contained in this manual may change, and there will be no further notice of changes at that time. The company reserves the right to change the relevant specifications of the product.

II . Safety Instructions:



1. After opening the package, take out all the accessories from the box, and take out the lamp from the box, and place it on a horizontal platform for easy related operations. First, check whether the items are complete? Secondly, please carefully check whether the entire lamp is damaged? If there is any damage, please contact our company in time.

2. AC power supply: Check whether the local power supply meets the rated voltage requirements of the product.

3. This product is only suitable for indoor working environment. The lamps and lanterns should be kept dry and avoid using in humid, overheated or dusty environments. Prevent or reduce the risk of electric shock or fire, and protect the lamp from contact with other liquids such as water.

4. When installing and positioning the lamps, please do not install the lamps directly on the surface of ordinary combustible substances.

5. Only qualified professionals can install, operate and maintain lamps;

6. When the lamp fails, stop using the lamp immediately. Do not attempt to repair it yourself, contact the nearest Authorized Technical Assistance Center and if a part is damaged, always replace it with a part of the same type.

7. Do not touch any wires during operation as there may be a dangerous electric shock.

8. Make sure that the ambient temperature for the normal and stable operation of the lamp does not exceed 40°C at the highest and -20°C at the lowest.

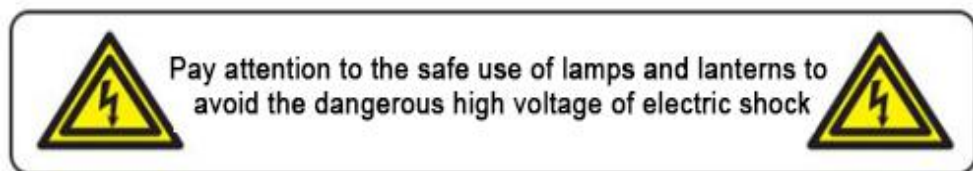
9. Under stable heat dissipation conditions, the maximum temperature of the lamp shell can reach 60°C, please do not touch it with your hands.

10. The lamp is designed according to the type of electric shock protection. The fixture should be connected to a fully grounded power supply system and the ground wire of the fixture must be in contact with the ground wire of the power supply system. The ground wire mark port of the metal shell of the fixture should be securely connected to the lamp holder.

11. Do not use the power cord with damaged insulation layer, and do not lap the power cord on other wires. When the lamp is not in use or for cleaning, please hold the power cord plug to unplug the power cord, do not pull or directly drag the power cord.

12. There are no user-serviceable parts inside the lamp. Before starting to operate the lamp, please check whether all the shells have been installed and whether the screws have been tightened reliably. Do not use the fixture with the case open.

Note: Before any installation, maintenance and cleaning of lamps, please make sure that the power cord has been cut off !!!

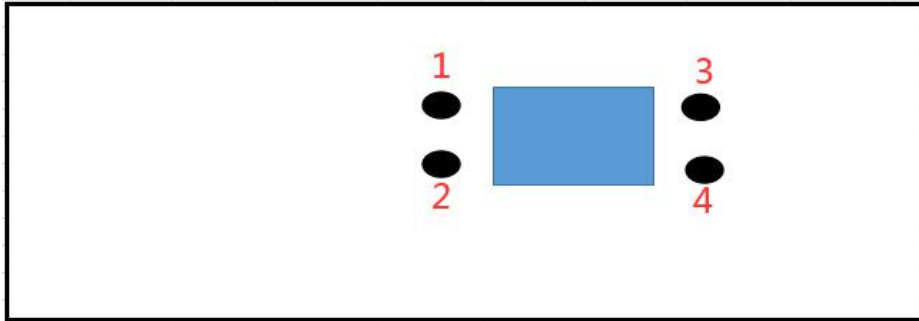


III. Product Features:

1. Built-in main and auxiliary machines, DMX and voice control, and self-propelled mode.
2. 1.3-inch OLED screen is easy to operate.
3. Suitable for discos, clubs, bars, parties, mobile DJs, concerts and more.
4. Product channels: 3CH, 5CH, 17CH and 80CH, 120CH.
5. Five operation modes: sound (audio) detection, effect mode, DMX, network cable connection and master/slave management;
6. Voltage: AC100-240V 50-60Hz.
7. Fuse: F3AL250V.
8. Dissipated power: P=52W.
9. Light source: 200×0.2W SMD-RGB
10. Net weight: 3.9kg
11. Size: 1100*110*74mm
12. Splicing of lamps and lanterns: left and right splicing, up and down splicing.
13. Installation method: hanging and standing:
14. Lamp lumen value

Color	@1M	Unit	Angle
R	390	Lux	65°
G	220		
B	60		
RGB	390		

IV. Function Description:



Name	No.	Corresponding mark	Function
Button:	①	MENU	Enter/view menu function
	②	ENTER	Enter the selected function/OK
	③	DOWN	View the next menu
	④	UP	View the previous menu

V. Main functions of the display screen:

To select a preset function, press the **MENU** button and select the menu option you want. Press the **ENTER** button to enter the selected function, the display will flash, then use the **DOWN/UP** button to select the desired function, press the **ENTER** button to confirm and save.

The main functions are as follows:

Menu	Options and Settings	Explanation
DMX address	001-512	DMX Address code selection: 001-512

Channel mode	3CH/5CH/17CH/80CH/120 CH		Channel option, you can choose 3/5/17/80Ch/120CH
Art Net Set mode	Network Switch (On/Off)		Network Switch (On/Off)
	Domain (1-255)		1-255 selection
	IP address (192.168.1.2)		IP address setting
	Subnet mask (255.255.255.0)		Edit url (255.255.255.0)
Stand-alone mode	Self-propelled mode Effect	Effects (random and effects 1-20)	Performance selection
		Dimming (0-100)	Brightness selection
		Speed (1-100)	Performance speed selection
		Voice control (on/off)	Voice control on and off selection
		Sensitivity (0-100)	Sensitivity selection
	Static mode	Dimming (0-255)	Brightness selection
		Strobe (0-255)	Strobe speed selection
		Red (0-255)	Red brightness selection
		Green (0-255)	Green brightness selection
		Blue (0-255)	Blue brightness selection
		Dimmer (0-255)	Brightness adjustment

	Color Macro	Color (off/red, amber, warm yellow, yellow, green, turquoise, cyan, blue, lavender, purple, magenta, pink, warm white, white, cool white) selection	Color Selection
		Gradient (1-100)	Change effect,Speed
		Jump (1-100)	Change effect,Speed
Master and slave settings as master	Master Set	Set as master	Master performance
	Sub-machine	Set as the sub-machine	Sub-machine follows the effect of the main machine
Advanced settings	Language Selection	English	The English screen
		Chinese	The Chinese screen
	Screen inversion	No	Screen display is positive
		Yes	Screen display is reversed
	Screen On/Off	OFF	Background display will automatically turn off the screen after 30 seconds
		Open	Background display always bright
	No signal	Black field	In the DMX state, this function is used for state selection when disconnected
		Auto-run	
		Keep	
	Service	Password	Background Regulation

Device Information	Master Set	Set as master	Master performance
	Sub-machine	Set as the sub-machine	Sub-machine follows the effect of the main machine

VI. How to control the device:

There are two ways to control lights:

1. Built-in program control of master/slave machine
2. Universal DMX controller control

A. Built-in functions of main and auxiliary machines

The initial setting of all lights is the master, connect the lights in series, one of the lights is automatically defaulted as the master, and the rest are in slave mode.

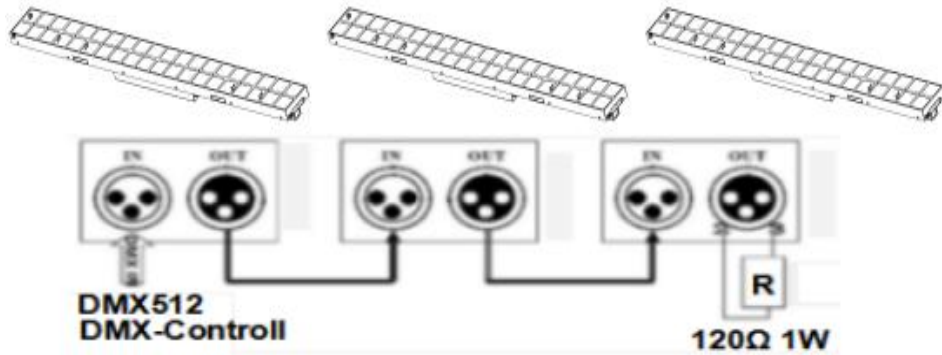
You can also designate one as the master and the rest as slaves.

VII. DMX controller:

If you want to use the DMX controller to control the lights, you must first set the DMX address code, the address code range is between 1-512, so that the lights can receive DMX signals.

Press the **MENU** button to select the "**DMX 001**" menu option. Press the **ENTER** button to enter, the address code will flash. Use **UP/DOWN** to select the **DMX512** address code, our factory setting is "**DMX 001**". After the address code is set, press and hold the **ENTER** button.

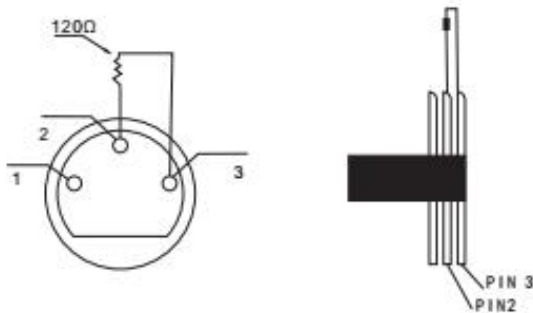
Connect the output port of the DMX512 console to the **DMX input** port of the first slave, and connect the **DMX output** port of the first slave to the DMX input port of the second slave with a signal line, and so on, until Connect all slaves.



DMX-512 connection needs a terminator (loop connection)

During the installation process, if the laying distance of the signal line is relatively long, or in an environment with noisy electrical appliances, such as a dance hall, it is recommended to use a DMX terminator (loop connection).

This avoids muddy digital control signals caused by electrical noise. The DMX terminator is composed of a simple **XLR** connector with 2 cores and 3 cores connected to a **120Ω** resistor. Please insert the terminator into the **XLR** output port of the last product.



VIII. Channel mode description:

(Choose DMX A 001 default address code)

[Appendix 1] DMX Channel Table (3CH) - (DMX A001)

Channel	Value			Function	
CH1	000	-	255	Red linear dimming, brightness 0-100%	SMD 调光
CH2	000	-	255	Green light linear dimming, brightness 0-100%	
CH3	000	-	255	Blu-ray linear dimming, brightness 0-100%	

[Appendix 2] DMX Channel Table (5CH) - (DMX 001)

Channel	Value			Function	
CH1	000	-	255	Performance total brightness 0-100%	Total dimming1
CH2	000	-	005	Consecration	On / Strobe
	006	-	010	Close light	
	011	-	033	Slow on and off	
	034	-	056	Fast close slow open	
	057	-	079	Fast open slow close	
	080	-	102	Random strobe	
	103	-	127	Lightning strobe	
	128	-	250	Fixed strobe	
	251	-	255	Turn on light	
CH3	000	-	255	Red linear dimming, brightness 0-100%	SMD
CH4	000	-	255	Green light linear dimming, brightness 0-100%	
CH5	000	-	255	Blu-ray linear dimming, brightness 0-100%	

[Appendix 3] DMX Channel List (17CH) - (DMX A001)

Chann	Value			Function	
CH1	000	-	255	Total brightness 0-100%	Total dimming
CH2	000	-	009	No function	Show color lighting
	010	-	020	Effect 1	
	021	-	031	Effect 2	
	32	-	042	Effect 3	
	43	-	053	Effect 4	
	54	-	064	Effect 5	
	65	-	075	Effect 6	
	76	-	086	Effect 7	
	87	-	097	Effect 8	
	98	-	108	Effect 9	
	109	-	119	Effect 10	
	120	-	130	Effect 11	
	131	-	141	Effect 12	
	142	-	152	Effect 13	
	153	-	163	Effect 14	
	164	-	174	Effect 15	
	175	-	185	Effect 16	
	186	-	196	Effect 17	
	197	-	207	Effect 18	
	208	-	218	Effect 19	
	219	-	229	Effect 20	
	230	-	255	Random effect	
CH3	000	-	249	Slow to fast performance	Performance speed and
	250	-	255	Voice control	
CH4	000	-	005	Closure	FADE settings
	006	-	127	Fade in settings	

	128	-	255	Fade out settings	
CH5	000	-	127	Positive performance	Mirror settings
	128	-	255	Reverse acting	
CH6	000	-	255	Performance color brightness 0-100%	Show color

[Appendix 4] DMX Channel List (80CH) - (DMX A001)

Channel	Value			Function	
CH1	000	-	255	Total dimming, linear dimming,	SMD1
CH2	000	-	005	No function	
	006	-	127	Fixed color	
	128	-	191	Color jumps from slow to fast	
	192	-	255	Color Gradient Slow to Fast	
CH3	000	-	255	Total dimming, linear dimming,	SMD2
CH4	000	-	005	No function	
	006	-	127	Fixed color	
	128	-	191	Color jumps Slow to Fast	
	192	-	255	Color Gradient Slow to Fast	

CH77	000	-	255	Total dimming, linear dimming,	SMD39
CH78	000	-	005	No function	
	006	-	127	Fixed color	
	128	-	191	Color jumps from slow to fast	
	192	-	255	Color Gradient Slow to Fast	
CH79	000	-	255	Total dimming, linear dimming,	SMD40
CH80	000	-	005	No function	
	006	-	127	Fixed color	
	128	-	191	Color jumps from slow to fast	
	192	-	255	Color Gradient Slow to Fast	

[Appendix 5] DMX Channel List (120CH) - (DMX A001)

Channel	Value			Function	
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CH1	000	-	255	Total dimming, linear dimming,	SMD1
CH2	000	-	255	Red linear dimming, brightness	
CH3	000	-	255	Green light linear dimming,	
CH4	000	-	255	Blu-ray linear dimming, brightness	
CH5	000	-	255	Total dimming, linear dimming,	SMD2
CH6	000	-	255	Red linear dimming, brightness	
CH7	000	-	005	Turn on the light	On / Strobe
	006	-	010	Turn off the light	
	011	-	033	Slow on and off	
	034	-	056	Fast close slow open	
	057	-	079	Fast open slow close	
	080	-	102	Random strobe	
	103	-	127	Lightning strobe	
	128	-	250	Fixed strobe	
	251	-	255	Consecration	
CH8	000	-	255	Red linear dimming, brightness	Show color lighting
CH9	000	-	255	Green light linear dimming,	
CH10	000	-	255	Blu-ray linear dimming, brightness	
CH11	000	-	005	No function	Show color wheel
	006	-	127	Fixed color	
	128	-	191	Color jumps from slow to fast	
	192	-	255	Color Gradient Slow to Fast	
CH12	000	-	255	Background color brightness	Background
CH13	000	-	005	Consecration	Background color
	006	-	010	Close light	
	011	-	033	Slow on and off	
	034	-	056	Fast close slow open	
	057	-	079	Fast open slow close	
	080	-	102	Random strobe	
	103	-	127	Lightning strobe	

	128	-	250	Fixed strobe	
	251	-	255	Consecration	
CH14	000	-	255	Red linear dimming, brightness	Background color light
CH15	000	-	255	Green light linear dimming,	
CH16	000	-	255	Blu-ray linear dimming, brightness	
CH17	000	-	005	No function	Background color color wheel
	006	-	127	Fixed color	
	128	-	191	Color jumps from slow to fast	
CH7	000	-	255	Green light linear dimming,	
CH8	000	-	255	Blu-ray linear dimming, brightness	

CH113	000	-	255	Total dimming, linear dimming,	SMD39
CH114	000	-	255	Red linear dimming, brightness	
CH115	000	-	255	Green light linear dimming,	
CH116	000	-	255	Blu-ray linear dimming, brightness	
CH117	000	-	255	Total dimming, linear dimming,	SMD40
CH118	000	-	255	Red linear dimming, brightness	
CH119	000	-	255	Green light linear dimming,	
CH120	000	-	255	Blu-ray linear dimming, brightness	

IX、Product Maintenance and Cleaning

★All screws and parts for installing the product must be tightly connected and must not be rusted;

★The shell, lens, fixing parts and installation site (such as ceiling, hanger, truss, etc.) cannot be deformed;

★The power cord must not be damaged in any way.

The installation and use of the product must be carried out by trained professional and technical personnel, and it must be ensured that potential safety hazards are eliminated.

Note:

Please unplug the power cord before doing product maintenance!

Before disassembling the luminaire or starting maintenance work, make sure that the power supply of the luminaire is disconnected.

It is very important to keep the luminaire clean and clean.

Keeping it clean will not only maintain the maximum brightness output of the light, but also prolong its service life.

It is recommended Use a high-quality professional glass cleaner and clean it with a soft cloth.

Under no circumstances do you use alcohol or chemical solvents.

Use a vacuum cleaner to clean the inside of the lamp and the fan at least once a quarter.