Technical Parameters:

Voltage: AC100-240V, 50Hz-60Hz

Power Consumption: 180 Watts

LED: 18pcs 10W 4in1 LED

LED Current: 500mA / 1 pc

LED Beam Angle: 25°

LED Lifetime: 80,000-100,000 hours

Possible Color Combinations: RGBW color mixing and running effect

Dimming: 0-100% with regulated constant color control

Operation Modes: DMX512, Sound, Internal Program, Master-slave

DMX Control: 9/27/72 /81Channels

Waterproof grade: IP 65

Maximum Ambient Temperature: 40° C

Gross Weight: 7.2 kg

Package Size: 1070 x 18 x 155mm

⚠WARNING

Please do NOT use the lamp under the water!
Please do NOT connect the power cable hand by hand over 5pcs

Important notice:

✧ Before open the LED wall washer light and if you want to do the repair work, please make sure the power source is at the separation condition.

✧ Unceasingly carries on the product improvement about our company the policy, in this instruction booklet carries the data will have the possibility to be able to change in the future, when no longer separate notice change matters concerned. Our company retains when the product improvement changes the related specification the authority. This instruction booklet publisher cannot be responsible regarding this instruction booklet in information accuracy, also cannot the related consequence which causes regarding these information be responsible.

LED MATRIXBAR 1810
MJ-2410A-4IN1

User Manual
======PROFESSIONAL LED LIGHTING =======

Thank you for choosing our LED wall washer light. For the sake of your safety, Please read and follow these instructions carefully and keep this manual in a safe place for future reference.

SAFETY INSTRUCTIONS

This device has left the factory in perfect condition. In order to maintain this condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this user manual.

When unpacking and before disposing of the carton, check there is no transportation damage before using the product. Should there be any damage caused by transportation, consult your dealer and do not use the apparatus.

The device can be use indoors and outdoors, IP65.

The device is not designed or intended to be mounted directly on to inflammable surfaces

The device is only intended for installation, operation and maintenance by professional person.

Do not device the beam onto inflammable surfaces, minimum distance is 5m.

Avoid direct exposure to the light from the lamp. The light is harmful to the eye.

Do not attempt to dismantle or modify the projector in any way.

Electrical connection must only be carried out by qualified personnel.

Before installation, ensure that the voltage and frequency of power supply match the power requirements of the projector.

It is essential that each device is correctly earthed and that electrical installation conforms to all relevant standards.

Do not connect this device to any other types of dimmer apparatus.

Make sure that the power-cord is never crimped or damaged by sharp edges. Never let the power-cord come into contact with other cables. Only handle the power-cord by the plug. Never pull out the plug by tugging the power-cord.

LED lens shall be changed if they have become visibly damaged to such an extent that their effectiveness is impaired, for example by cracks or deep scratches.

Exterior surface temperatures of the luminaire after 5 minutes operation is 50°C，when steady state is achieved 65°C.

There is no user serviceable parts inside the projector, do not open the housing and never operate the device with the covers removed.

If you have any questions, don't hesitate to consult your dealer or manufacturer.

Always disconnect from the mains, when the device is not in use or before cleaning it or before attempting any maintenance work !

	136-145	Color Snapping running 6 (It control by CH1,CH5 to CH27. The 5CH is change speed)
	146-155	Color running 1 (It control by CH1,CH5 to CH27. The 5CH is change speed)
	156-165	Color running 2 (It control by CH1,CH5 to CH27. The 5CH is change speed)
	......	....
	236-245	Color running 10 (It control by CH1,CH5 to CH27. The 5CH is change speed)
	246-255	Sound control (It control by CH1,CH6 to CH27.)
CH4 Function 1	0-30	No function
	31-45	Color running 1 (It control by CH1,CH5 to CH9. Control the base color brightness)
	...	.....
	91-105	Color running 4 (It control by CH1,CH5 to CH9. Control the base color brightness)
	106-120	RGBW mix Color change
	121-135	Color running 5 (It control by CH1,CH5 to CH9. Control the base color brightness)
	....	......
	141-255	Color running 13 (It control by CH1,CH5 to CH9. Control the base color brightness)
CH5	0-255	Function speed
CH6	0-255	Red color dimming
CH7	0-255	Green color dimming
CH8	0-255	Blue color dimming
CH9	0-255	White color dimming
CH10	0-255	LED 1 R color dimming
CH11	0-255	LED 1 G color dimming
CH12	0-255	LED 1 B color dimming
......	......	....
CH81	0-255	LED 18 W color dimming

Channel	Value	Function
CH6	0-255	Red color dimming
CH7	0-255	Green color dimming
CH8	0-255	Blue color dimming
CH9	0-255	White color dimming
CH10	0-255	LED 1 RGBW color mixing
CH11	0-255	LED 2 RGBW color mixing
CH12	0-255	LED 3 RGBW color mixing
......	......	....
CH27	0-255	LED 18 RGBW color mixing

C. 81channel description

Channel	Value	Function
CH1	0-255	Main dimming from dark to bright
CH2	0-255	Control strobe from slowly to quickly
3CH Function 1	0-25	No Function
	26-35	Off
	36-45	Colorful running by Snapping, It control by 1CH,6CH to 9CH (If ID code one by one, it can be control within one group)
	46-55	Colorful running by Fading, It control by 1CH,6CH to 9CH (If ID code one by one, it can be control within one group)
	56-65	Color choose (It control by CH1,CH2, CH5. The 5CH is choose color)
	66-75	Color change by Snapping (It control by CH1,CH2,CH5. The 5CH is change speed)
	76-85	Color change by Fading (It control by CH1,CH2,CH5. The 5CH is change speed)
	86-95	Color Snapping running 1 (It control by CH1,CH5 to CH27. The 5CH is change speed)
	96-105	Color Snapping running 2 (It control by CH1,CH5 to CH27. The 5CH is change speed)
	......	....

Introduction: .

Thank you for having chosen our LED lighting
Unpack the device ,inside the box you should find:
1) Light --1pcs
2)Power Cable-------------------------------------1pcs
3) User Manual-----------------------------------1pcs

Description:
Features
. 9,23,or 72 DMX channels selectable for numerous applications
. DMX-controlled operation, Sound-controlled operation or stand alone operation with Master/Slave-function
. Automatic identify Master signal
. Stepless RGBW colour changing
. Equipped with 18 x 10W 4-in-1 LEDs
. Switch-mode power supply, 110V-240V
.Operation very easy，human design，dimming no flicker、jitter phenomena.

Can be adapted to video, photography, television and other demanding lighting occasions.
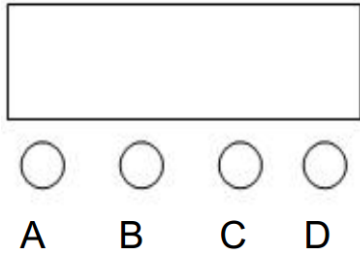
DMX-512 control connection：
The product has a DMX 512 input fitted with 3-pin XLR connectors. Screened cables in compliance with EIA RS-485 specifications and the following characteristics must be used for connections:
- 2 conductors plus screen
- 120Ohm impedance
- max. transmission rate 250kBaud.

DMX-512 connection with DMX terminator：

For installations where the DMX cable has to run a long distance or is in an electrically noisy environment, such as in a discotheque, it is recommended to use a DMX terminator. This helps in preventing corruption of the digital control signal by electrical noise. The DMX terminator is simply an XLR plug with a 120 OHM resistor connected between pins 2 and 3,which is then plugged into the output XLR socket of the last fixture in the chain.

Graphic Part：

A. function button
B. UP
C. DOWN
D. Enter

Operation description： Press "**A**" will cycle out 14pcs different functional effect, LED Top row in represent the current function（Reference function table）。LED Top row on behalf of the function in the address code、or speed and other parameters。Press **B** or **C** key can modify the parameter value。Press **D** to confirm。

Display Menu:（All the functions are selected, press D to confirm.）

No.	Display	Function
1	A001	DMX address (001—512) Press "UP" and "Down" button change the DMX address
2	9CH/27CH/ 72CH/82CH	Channel choose (09CH/27CH/72CH/81CH) Press "UP" and "Down" button change the DMX Channel
3	CC00	Color change by Snapping (CC01—CC99), press "UP" and "Down" button change the snapping speed
4	Ed00	Color change by Fading (Ed01—Ed99), press "UP" and "Down" button change the Fade speed
5	Er00	Colorful Running 1 (Er01—Er99), press "UP" and "Down" button change the running speed (If setting ID code1 by 1, it can get running effect in one group)
6	Po00	Colorful Running 1 (Po01—Po99), press "UP" and "Down" button change the running speed (If setting ID code1 by 1, it can get running effect in one group)

	66-75	Color change by Snapping (It control by CH1,CH2,CH5. The 5CH is change speed)
	76-85	Color change by Fading (It control by CH1,CH2,CH5. The 5CH is change speed)
	86-95	Color Snapping running 1 (It control by CH1,CH5 to CH27. The 5CH is change speed)
	96-105	Color Snapping running 2 (It control by CH1,CH5 to CH27. The 5CH is change speed)
3CH	......	....
Function 1	136-145	Color Snapping running 6 (It control by CH1,CH5 to CH27. The 5CH is change speed)
	146-155	Color running 1 (It control by CH1,CH5 to CH27. The 5CH is change speed)
	156-165	Color running 2 (It control by CH1,CH5 to CH27. The 5CH is change speed)
	......	....
	236-245	Color running 10 (It control by CH1,CH5 to CH27. The 5CH is change speed)
	246-255	Sound control (It control by CH1,CH6 to CH27.)
	0-30	No function
	31-45	Color running 1 (It control by CH1,CH5 to CH9. Control the base color brightness)
	...	.....
CH4	91-105	Color running 4 (It control by CH1,CH5 to CH9. Control the base color brightness)
Function 1	106-120	RGBW mix Color change
	121-135	Color running 5 (It control by CH1,CH5 to CH9. Control the base color brightness)
	....	......
	141-255	Color running 13 (It control by CH1,CH5 to CH9. Control the base color brightness)
CH5	0-255	Function speed

	0-30	No function
CH4 Function 1	31-45	Color running 1 (It control by CH1,CH5 to CH9. Control the base color brightness)
	...	.....
	91-105	Color running 4 (It control by CH1,CH5 to CH9. Control the base color brightness)
	106-120	RGBW mix Color change
	121-135	Color running 5 (It control by CH1,CH5 to CH9. Control the base color brightness)
	....	......
	141-255	Color running 13 (It control by CH1,CH5 to CH9. Control the base color brightness)
CH5	0-255	Function speed
CH6	0-255	Red color dimming
CH7	0-255	Green color dimming
CH8	0-255	Blue color dimming
CH9	0-255	White color dimming

C. 27channel description

Channel	Value	Function
CH1	0-255	Main dimming from dark to bright
CH2	0-255	Control strobe from slowly to quickly
3CH Function 1	0-25	No Function
	26-35	Off
	36-45	Colorful running by Snapping, It control by 1CH,6CH to 9CH (If ID code one by one, it can be control within one group)
	46-55	Colorful running by Fading, It control by 1CH,6CH to 9CH (If ID code one by one, it can be control within one group)
	56-65	Color choose (It control by CH1,CH2, CH5. The 5CH is choose color)

7	tr00	Running effect (tr01—tr20), press "UP" and "Down" button change the running effect
8	tU00	Running effect speed (tU01—tU99), press "UP" and "Down" button change the running effect speed
9	BE50	Sound control (BE01—BE99), press "UP" and "Down" button change the sound sensitivity
10	R000	Red dimming by hand (R000—R255) press "UP" and "Down" button change the Red brightness
11	G000	Green dimming by hand (G000—G255) press "UP" and "Down" button change the Green brightness
12	B000	Blue dimming by hand (B000—B255) press "UP" and "Down" button change the Blue brightness
13	W000	White dimming by hand (W000—W255) press "UP" and "Down" button change the White brightness
14	Id01	Id code setting (Id01-Id14) press "UP" and "Down" button change the Id address (It use running effect within one group)

Attention:
1. Setting DMX address by button
1). press **MODE** button when show the **A001** menu, then adjust the DMX address by pressing **UP** or **DOWN** button
2).**A001** is slave mode
Press **ENTER** to confirm or pressing **MODE** to return to main menu**.**

2. Setting ID code.(only for **Er00** and **Po00** do master to use)
If you set ID code one by one. and connect the light together.
It will be get amazing running effect within one group light.
(e.g. :first light ID is Id01, second light ID is Id02, third light ID is Id03, fourth light ID is Id04....... those light is a group., it will be running from first light to last light)

Cleaning and Maintenance

We recommend a frequent cleaning of the device. Please use a soft
lint-free and moistened cloth. Never use alcohol or solvents!

> **CAUTION!**
> **Disconnect from mains before starting maintenance operation.**

There are no serviceable parts inside the device. Maintenance and service
operations are only to be carried out by authorized dealers.
If you need any spare parts, please use genuine parts.
If the power supply cable of this device becomes damaged, it has to be
replaced by authorized dealers only in order to avoid hazards.
If you have further questions, please contact your dealer.

Installation

The device must only be installed at a vibration-free, oscillation-free
and fire-resistant location.

DMX functions and values:

A. 72 channel description

Channel	Value	Function
CH1	0-255	R1 dimming
CH2	0-255	G1 dimming
CH3	0-255	B1 dimming
CH4	0-255	W1 dimming
......	......	......
CH69	0-255	R18 dimming
CH70	0-255	G18 dimming
CH71	0-255	B18 dimming
CH72	0-255	W18 dimming

B. 9channel description

Channel	Value	Function
CH1	0-255	Main dimming from dark to bright
CH2	0-255	Control strobe from slowly to quickly
3CH Function 1	0-25	No Function
	26-35	OFF
	36-45	Colorful running by Snapping, It control by 1CH,6CH to 9CH (If ID code one by one, it can be control within one group)
	46-55	Colorful running by Fading, It control by 1CH,6CH to 9CH (If ID code one by one, it can be control within one group)
	56-65	Color choose (It control by CH1,CH2, CH5. The 5CH is choose color)
	66-75	Color change by Snapping (It control by CH1,CH2,CH5. The 5CH is change speed)
	76-85	Color change by Fading (It control by CH1,CH2,CH5. The 5CH is change speed)
	86-95	Color Snapping running 1 (It control by CH1,CH5 to CH27. The 5CH is change speed)
	96-105	Color Snapping running 2 (It control by CH1,CH5 to CH27. The 5CH is change speed)
	......	....
	136-145	Color Snapping running 6 (It control by CH1,CH5 to CH27. The 5CH is change speed)
	146-155	Color running 1 (It control by CH1,CH5 to CH27. The 5CH is change speed)
	156-165	Color running 2 (It control by CH1,CH5 to CH27. The 5CH is change speed)
	......	....
	236-245	Color running 10 (It control by CH1,CH5 to CH27. The 5CH is change speed)
	246-255	Sound control (It control by CH1,CH6 to CH27.)