
14 Pixel 3 in 1 RGB led wall washer



User manual

Please read the instructions carefully before use

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Statement

The product has well capability and intact packing when leave factory. All of the user should comply with warning item and manual, any misuse cause of the damages are not included in our guarantee, and also cannot be responsible for any malfunction & problem owing to ignore the manual.

1. Safety Instructions

Please keep this User Guide for future consultation. If you sell the unit to another user, be sure that they also receive this instruction booklet.

- ☐ Unpack and check carefully there is no transportation damage before using the unit.
- ☐ Before operating, ensure that the voltage and frequency of power supply match the power requirements of the unit.
- ☐ It's important to ground the yellow/green conductor to earth in order to avoid electric shock.

- ⚠ The unit must be installed in a location with adequate ventilation, at least 50cm from adjacent surfaces. Be sure that no ventilation slots are blocked.
- ⚠ Disconnect main power before replacement or servicing.
- ⚠ Make sure there are no flammable materials close to the unit while operating as it is fire hazard.
- ⚠ TO Use safety cable when fixing this unit. DO NOT handle the unit by taking its head only, but always by taking its base.
- ⚠ Maximum ambient temperature is T_a : 40°C . DO NOT operate it where the temperature is higher than this Unit surface temperature may reach up to 85°C . DO NOT touch the housing bare-hand during its operation. Turn off the power and allow about 15 minutes for the unit to cool down before replacing or serving.
- ⚠ In the event of serious operating problem, stop using the unit immediately. Never try to repair the unit by yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center. Always use the same type spare parts.
- ⚠ DO NOT touch any wire during operation as high voltage might be causing electric shock.

Warning:

- ⚠ To prevent or reduce the risk of electrical shock or fire do not expose the unit to rain or moisture.
- ⚠ DO NOT open the unit within five minutes after switching off.
- ⚠ The housing, the lenses, or the ultraviolet filter must be replaced if they are

visibly damaged.

Caution:

There are no user serviceable parts inside the unit. DO NOT open the housing or attempt any repairs yourself. In the unlikely event your unit may require service, please contact your nearest dealer.

Installation:

The unit should be mounted via its screw holes on the bracket. Always ensure that the unit is firmly fixed to avoid vibration and slipping while operating. And make sure that the structure to which you are attaching the unit is secure and is able to support a weight of 10 times of the unit's weight. Also always use a safety cable that can hold 12 times of the weight of the unit when installing the fixture.

The equipment must be fixed by professionals. And it must be fixed at a place where is out of the touch of people and has no one pass by or under it.

2. Technical Specifications

Light Sources: 14pcs RGB 3 in 1 LED

Power Consumption: 440W

Power Voltage: AC100-220V,50/60Hz

Gross Weight:9Kgs

Control

DMX Channel: 8/19/42Channel

Control Modes: DMX/auto run/master slave

Construction

Display: Digital panel
Data In/Out socket: 3-pin

Features

Dimmer: Linear dimmer
Strobe: 1-20flash/second
IP rate: IP65

3. How to Control the Unit

The DMX512 is widely used in intelligent lighting control, with a DMX 512 controller. Connect several lights together, dmx in and dmx out, 3 pin XLR connectors: Pin 1: GND, Pin 2: Negative signal (-), Pin 3: Positive signal (+)

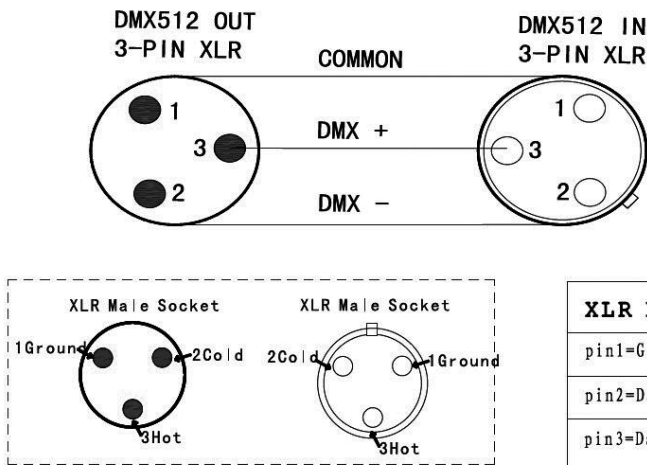


Figure2

XLR Pin Configuration
pin1=Ground
pin2=Data Compliment (negative)
pin3=Data true (positive)

Display:

MENU	To select the programming functions
DOWN	To go backward in the selected functions
UP	To go forward in the selected functions
ENTER	To confirm the selected functions

Set DMX Address Code

- 1 Press "**Menu**" to "Set DMX Address", and press "**ENTER**" keys to enter into
- 2 Show "Set DMX Address DMX Address: **001**", Press the "**UP and DOWN**" keys to amended
- 3 Press "**ENTER**" keys to save and Exit, Press the "**MENU**" Keys does not save and

LED Display Function Table

No.	Display	Function
1	A001	Address code, (001-512) B, C key to add and subtract address code values
2	8ch-19ch-42ch	Channel selection,(8CH,19CH,42CH) B, C key to add and subtract
3	CC00	color jump to change, (01-99) B, C key to modify jump to change speed

4	Ed00	Gradient,pulse variable (01-99) B, C key to modify the speed
5	Er00	Color running 1, (01-99) B and C modify the speed
6	Po00	Color running 2, (01-99) B and C modify the speed
7	tr00	Running change(00-8) B and C modify the change
8	tU00	Running change(00-99) B and C modify the running speed
9	BEB1	Sound control running change B and C modify the running change
10	R200	Red colors, (000-255) B, C key to modify the colors
11	G200	Green colors, (000-255) B, C key to modify the colors
12	B200	Blue colors, (000-255) B, C key to modify the colors
13	ID00	LED fixture ID (01-14) B, C key to modify the ID value
14	OPRT	Master,slave

DMX512 8Channel

Channels	Function	DMX512 Value	Details
CH1	Dimmer	000-255	All dimmer for RGB linear, dark →bright
CH2	Strobe	000-255	R, G, B, strobe,slow →fast
CH3	Function selection 1	0-25	Null
		26-35	Null
		36-45	Colorful jump to change(control by CH1-6)
		46-55	Colorful Gradient(control by CH1-6)
		56-65	Color selection(control by CH1)
		66-75	Color jump to change(control by CH1)
		76-85	Gradient,pulse variable(control by CH1)
		86-95	Running pattern 1(control by CH1-6)
		116-125	Running pattern 2(control by CH1-6)

		
		236-245	Running pattern 15(control by CH1-6)
		246-255	Sound control(control by CH1-6)
CH4	Function selection 2	0-5	Null
		6-255	255 fix pattern selection(control by CH1-6)
	Function selection 3	0-127	Left colorful running directional control
		128-255	Right colorful running directional control
CH5	Function speed	000-255	Function speed,slow →fast
CH6	Red	0-255	R dimmer, linear, dark →bright (0-100%)
CH7	Green	0-255	G dimmer, linear, dark →bright (0-100%)
CH8	Blue	0-255	B dimmer, linear, dark →bright (0-100%)

DMX512 19 Channel

Channels	Function	DMX512	Details
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		Value	
CH1	Dimmer	000-255	All dimmer for RGB linear, dark →bright
CH2	Strobe	000-255	R, G, B, strobe,slow →fast
CH3	Function selection 1	0-25	Null
		26-35	Null
		36-45	Colorful jump to change(control by CH1-6)
		46-55	Colorful Gradient(control by CH1-6)
		56-65	Color selection(control by CH1)
		66-75	Color jump to change(control by CH1)
		76-85	Gradient,pulse variable(control by CH1)
		86-95	Running pattern 1(control by CH1-6)
		116-125	Running pattern 2(control by CH1-6)
		
		236-245	Running pattern 15(control by CH1-6)

		246-255	Sound control(control by CH1-6)
CH4	Function selection 2	0-5	Null
		6-255	255 fix pattern selection(control by CH1-6)
	Function selection 3	0-127	Left colorful running directional control
		128-255	Right colorful running directional control
CH5	Function speed	000-255	Function speed,slow →fast
CH6	1 Dimmer	000-255	R,G,B, Dimmer
CH7	2 Dimmer	000-255	R,G,B, Dimmer
CH8	3 Dimmer	000-255	R,G,B, Dimmer
CH9	4 Dimmer	000-255	R,G,B, Dimmer
		
CH19	18 Dimmer	000-255	R,G,B, Dimmer

DMX512 42 Channel

Channels	Function	DMX512 Value	Details
CH1	R1	0-255	R1 dimmer, linear, dark →bright (0-100%)
CH2	G1	0-255	G1 dimmer, linear, dark →bright (0-100%)
CH3	B1	0-255	B1 dimmer, linear, dark →bright (0-100%)
CH5	R2	0-255	R2 dimmer, linear, dark →bright (0-100%)
CH6	G2	0-255	G2 dimmer, linear, dark →bright (0-100%)
CH7	B2	0-255	B2 dimmer, linear, dark →bright (0-100%)
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CH42	B14	0-255	B18 dimmer, linear, dark →bright (0-100%)

4. Trouble shooting

Following are a few common problems that may occur during operation. Here are some suggestions for easy troubleshooting:

A. The unit does not work, no light and the fan does not work

1. Check the connection of power and main fuse.
2. Measure the mains voltage on the main connector.
3. Check the power on LED.

B. Not responding to DMX controller

1. DMX LED should be on. If not, check DMX connectors, cables to see if link properly.
2. If the DMX LED is on and no response to the channel, check the address settings and DMX polarity.
3. If you have intermittent DMX signal problems, check the pins on connectors or on PCB of the unit or the previous one.
4. Try to use another DMX controller.
5. Check if the DMX cables run near or run alongside to high voltage cables that may cause damage or interference to DMX interface circuit

5. Fixture Cleaning

The cleaning of internal and external optical lenses and/or mirrors must be carried out periodically to optimize light output. Cleaning frequency depends on the

environment in which the fixture operates: damp, smoky or particularly dirty surrounding can cause greater accumulation of dirt on the unit's optics.

- **Clean it with soft cloth using normal glass cleaning fluid.**
- **always dry the parts carefully.**
- **Clean the external optics at least every 20 days. Clean the internal optics at least every 30/60 days.**