
54*3W RGBW led light



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: 54*3w RGBW LED (R12,G18,B18,W6)

Power Consumption: 180W

Power Voltage: AC90-240V, 50/60HZ

Dimension: 270*270*300mm

Packing Dimension: 280*280*310mm (1pc/CTN)

Net Weight: 3.5Kgs

Gross Weight: 4.5Kgs

IP Rate: IP22

Control

DMX Channel: 5/9Channel

Control Modes: DMX/auto run/master slave

Construction

Display: Digital panel

Data In/Out socket: 3-pin

Features

32bit 20K HZ dimming

Flicker free in camera,TV

Perfect dimmer curve

Best color mixing effect

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 (+)

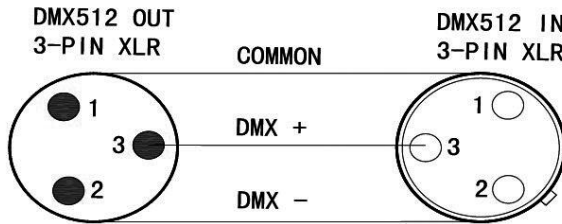
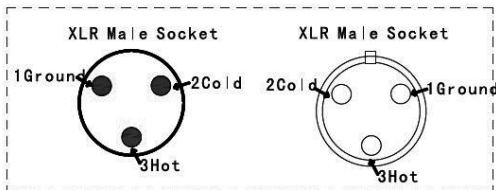


Figure2



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	d001	5 channel address code, (001-512) B, C key to add and subtract address code values
2	d.001	9 Channel address code, (001-512) B, C key to add and subtract address code values
3	CC01	colour jump to change, (01-99) B, C key to modify jump to change speed
4	CP01	Gradient (01-99) B, C key to modify the colors
5	dE01	colour pulse variable, (01-99) B and C modify pulse variable, velocity gradient
6	dENo	Jump, Gradient and pulse variable
7	bEbE	Sound control, Jump, Gradient and pulse variable
8	R255	Red colors, (000-255) B, C key to modify the colors
9	G255	Green colors, (000-255) B, C key to modify the colors
10	B255	Blue colors, (000-255) B, C key to modify the colors

11	W255	White colors, (000-255) B, C key to modify the colors
12	Dr01 Dr02 Dr03 Dr04 Dr05	Mode 1 Linear dimmer Mode 2 Quickly turn on or turn off Mode 3 Slow speed of linear dimmer Mode 4 More slower linear dimmer Mode 5 More slower speed of linear dimmer

DMX512 5 Channel

Channels	Function	DMX512 Value	Details
CH1	Red	0-255	R dimmer, linear, dark →bright (0-100%)
CH2	Green	0-255	G dimmer, linear, dark →bright (0-100%)
CH3	Blue	0-255	B dimmer, linear, dark →bright (0-100%)
CH4	White	0-255	W dimmer, linear, dark →bright (0-100%)
CH5	Dimmer mode selection	0-9	Display board menu functions
		10-50	Linear dimmer

		51-101	Quickly turn on or turn off
		102-152	Slow speed of linear dimmer
		153-203	More slower linear dimmer
		204-255	More slower speed of linear dimmer

DMX512 9 Channel

Channels	Function	DMX512 Value	Details
CH1	Red	000-255	R adjustment, linear, dark →bright (0-100%)
CH2	Green	000-255	G adjustment, linear, dark →bright (0-100%)
CH3	Blue	000-255	B adjustment, linear, dark →bright (0-100%)
CH4	White	000-255	W adjustment, linear, dark →bright (0-100%)
CH5	Dimmer mode selection	0-9	Display board menu functions
		10-50	Linear dimmer
		51-101	Quickly turn on or turn off
		102-152	Slow speed of linear dimmer

		153-203	More slower linear dimmer
		204-255	More slower speed of linear dimmer
CH6	Dimmer	000-255	All dimmer for RGBW (0-100%)
CH7	Strobe	000-255	R, G, B, W ,strobe slow →fast
CH8	Function Choose	10-50	Jump effect
		51-100	Gradual change
		101-150	Pulse variable effect
		151-200	Jump, gradual and pulse variable effect
		201-255	Sound control
CH9	Speed	000-255	Function Speed, slow →fast

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.