

User manual

LED PAR 64-200 RGBW DMX

SAFETY INSTRUCTIONS

CAUTION!

Be careful with your operations. With a dangerous voltage you can suffer a dangerous electric shock when touching the wires!

Keep this device away from rain and moisture!

Unplug mains lead before opening the housing!

For your own safety, please read this user manual carefully before you initial start-up.

Features:

Stage light

one of the classical COB LED fixtures designed and created uniquely, really ideal for professional stage and install use

*die cast aluminium molded housing;

*silent fan;

**safety wires included;

*LED display;

*new PWM dimming electronical theory applied: can adjust from 1.2KHz to 24KHz dimmer frequencies;

*real 16 bit fine dimmer for very smooth,even dimmer;

*four dimming modes;

*18°-53° marvelous smooth zooming with special sliding guiding system;

*Equipped with 1*COB RGBW 4 IN 1 LED,max.150W, 50,000 hours

*driving IC and capacitors from USA and European unions equipped for steady constant current outputs;

*intelligent temperature self controlling: self adjusting temperature to protect at the time of max. temperature happening;

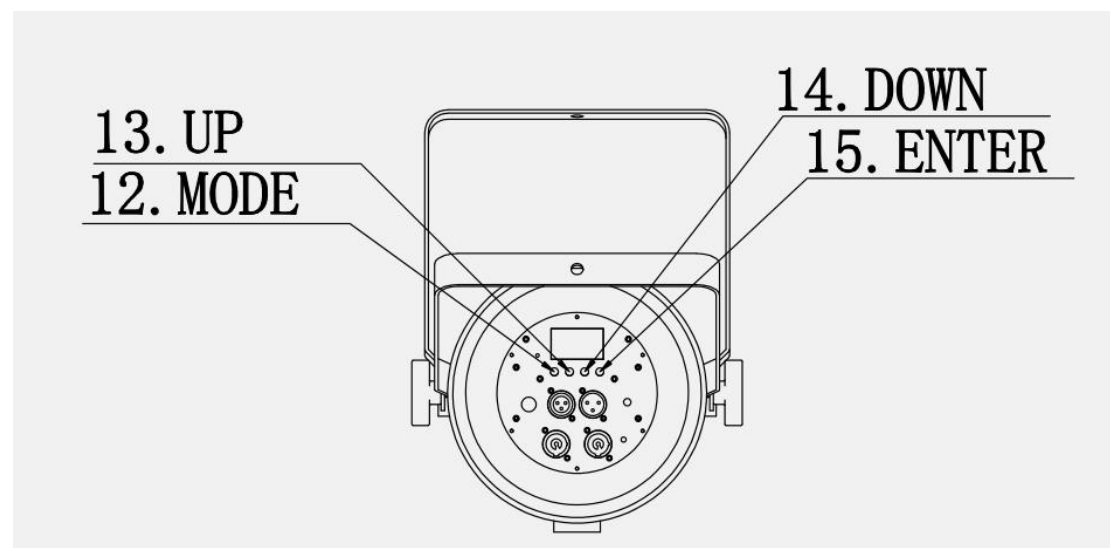
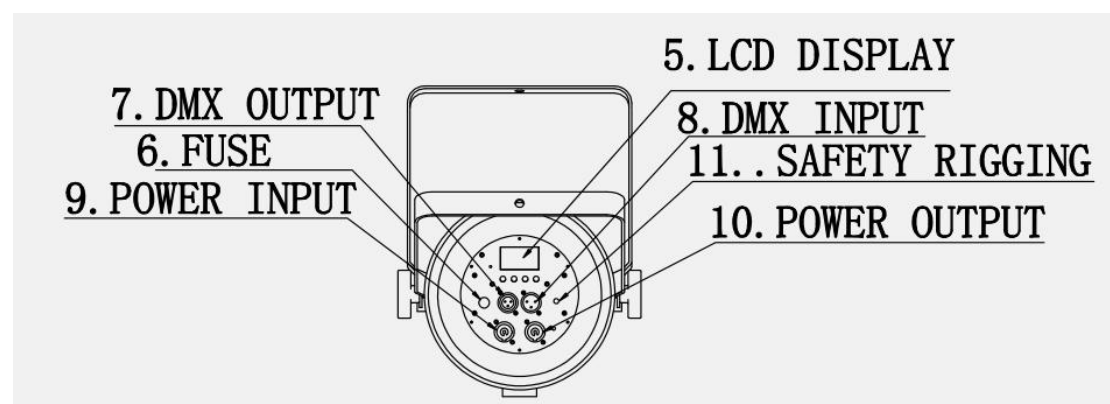
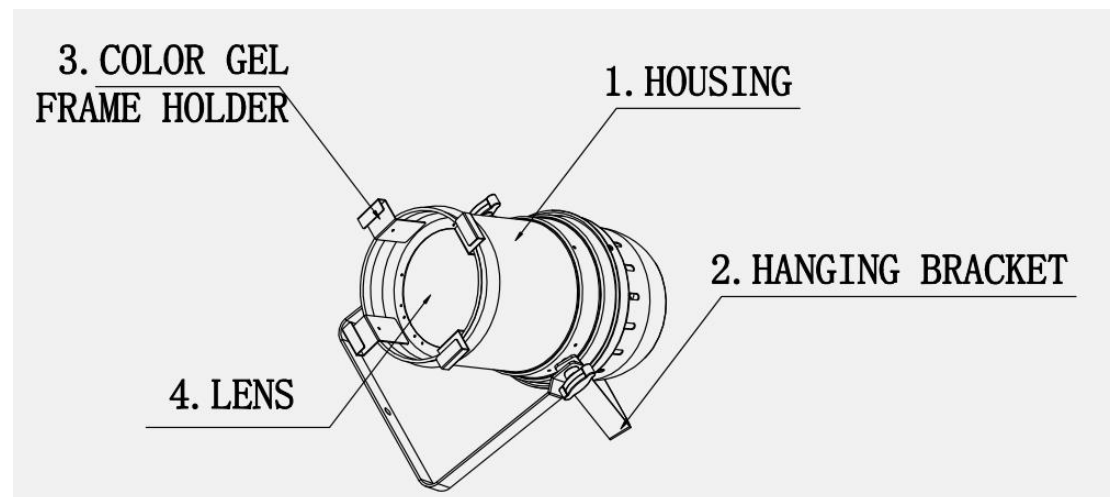
*precise optical system for very even projections;

*color gel frame included;

Installations:

Please always use safety rope(sold separately) to install and hang the fixture well on the truss or the fixture can work on the floor or other flat surfaces.

Description of the fixture:



DMX-512 connection / connection between fixtures

Occupation of the XLR-connection:

If you are using controllers with this occupation, you can connect the DMX-output of the controller directly with the DMX-input of the first fixture in the DMX-chain. If you wish to connect DMX-controllers with other XLR-outputs, you need to use adapter-cables.

Building a serial DMX-chain:

Connect the DMX-output of the first fixture in the DMX-chain with the DMX-input of the next

fixture. Always connect one output with the input of the next fixture until all fixtures are connected.

Caution: At the last fixture, the DMX-cable has to be terminated with a terminator. Solder a 120 resistor between Signal (–) and Signal (+) into a 3-pin XLR-plug and plug it in the DMX-output of the last fixture.

Connection with the mains

Connect the device to the mains with the enclosed power supply cable.

1. DMX 512 protocol

Addressing

The LCD DISPLAY on the rear side of the base allows you to assign the DMX fixture address, which is defined as the first channel from which the item will respond to the controller. If you set, for example, the address to channel 7, the item will use the channel 7 to 14 for control. Please, be sure that you don't have any overlapping channels in order to control each item correctly and independently from any other fixture on the DMX data link. If two, three or more items are addressed similarly, they will work similarly. At DMX mode you can choose the address from 1 to 512. After you connect the item to the mains, the item starts running. When the item finishes resetting, press the button mode, scroll through by the buttons up or down, set the desired DMX address by pressing the UP, DOWN and ENTER buttons.

DMX Controlling:

After having addressed all items, you may now start operating these via your lighting controller. After switching on, the item will automatically detect whether DMX 512 data is received or not.

DMX FUNCTIONS

12-CHANNEL MODE

Channel 1 –master dimmer from darkness to full brightness

Channel 2 –red from darkness to full brightness

Channel 3 –green from darkness to full brightness

Channel 4 –blue from darkness to full brightness

Channel 5 –white from darkness to full brightness

Channel 6 –zooming

Channel 7– color macros

0-10 off

11-200 color macros

201-205 color temperature 1

206-210 color temperature 2

211-215 color temperature 3

251-255 color temperature 11

Channel 8 –strobe from slow to fast

Channel 9 –preset shows, sound active

0-20 off

21-120 10 preset shows

121-255	sound active
Channel 10 –running speed adjusting from slow to fast when CH9 at 21-120	
Channel 11 – dimmer modes	
0-5	setting manual
6-55	off
56-105	dimmer 1
106-155	dimmer 2
156-205	dimmer 3
206-255	dimmer 4
Channel 12 – ID codes	
0-9	ID1-ID66
10-19	ID1
20-29	ID2
30-39	ID3

200-209	ID20
210	ID21
211	ID22

255	ID66

5-CHANNEL MODE

Channel 1 –red from darkness to full brightness
Channel 2 –green from darkness to full brightness
Channel 3 –blue from darkness to full brightness
Channel 4 –white from darkness to full brightness
Channel 5 –zooming

6-CHANNEL MODE

Channel 1 –master dimmer from darkness to full brightness
Channel 2 –red from darkness to full brightness
Channel 3 –green from darkness to full brightness
Channel 4 –blue from darkness to full brightness
Channel 5 –white from darkness to full brightness
Channel 6 –zooming

7-CHANNEL MODE

Channel 1 –master dimmer from darkness to full brightness
Channel 2 –red from darkness to full brightness
Channel 3 –green from darkness to full brightness
Channel 4 –blue from darkness to full brightness
Channel 5 –white from darkness to full brightness
Channel 6 –zooming
Channel 7 – dimmer modes

0-5	setting manual
6-55	off
56-105	dimmer 1
106-155	dimmer 2
156-205	dimmer 3
206-255	dimmer 4

8-CHANNEL MODE

Channel 1 –master dimmer from darkness to full brightness

Channel 2 –red from darkness to full brightness

Channel 3 –green from darkness to full brightness

Channel 4 –blue from darkness to full brightness

Channel 5 –white from darkness to full brightness

Channel 6 –zooming

Channel 7 – dimmer modes

0-5	setting manual
6-55	off
56-105	dimmer 1
106-155	dimmer 2
156-205	dimmer 3
206-255	dimmer 4

Channel 8 –strobe from slow to fast

3-CHANNEL MODE(HSV)

Sliding fader CH3,then adjusting saturation by sliding fader CH1/CH2

Channel 1 –H:hue from 0-255

Channel 2 –S:saturation from 0-255

Channel 3 –V:value from 0-255

2. Sound active

When at DMX CH12 mode, slider the fader 9 to 121-255, the item will run to the beat of music.

3.Auto

Press the MODE button, the following functions can be achieved by the button ENTER:

AUTO: run the preset shows:AT.01 to AT.10,the running speed can be adjusted from 00 slowest to 99 fastest;

4. Synchronization & master /slave mode

Take one item and set the item at auto as above,then get other items and press the button MODE, set at d.001, confirm by the button of ENTER, then connect the items at d.001 to the item at AUTO, disconnect the items from DMX controller, the items will work simultaneously.

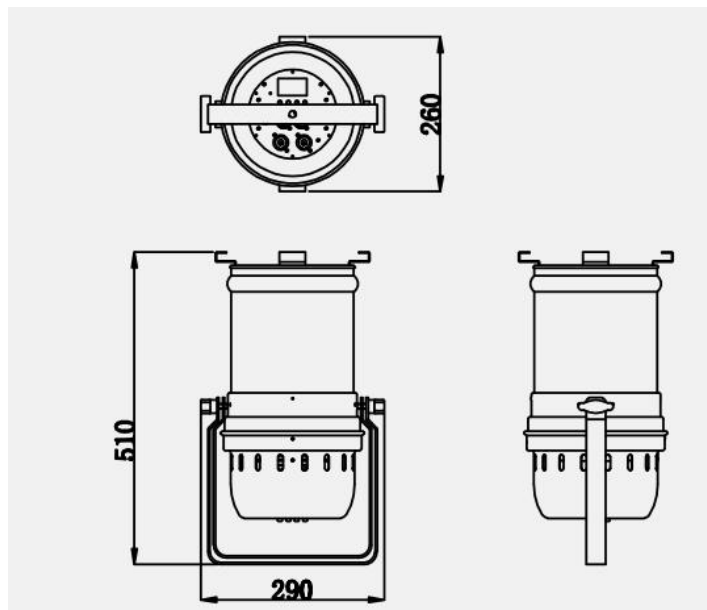
The item at auto works as master, others as slave.

5. LED DISPLAY CONTROL:

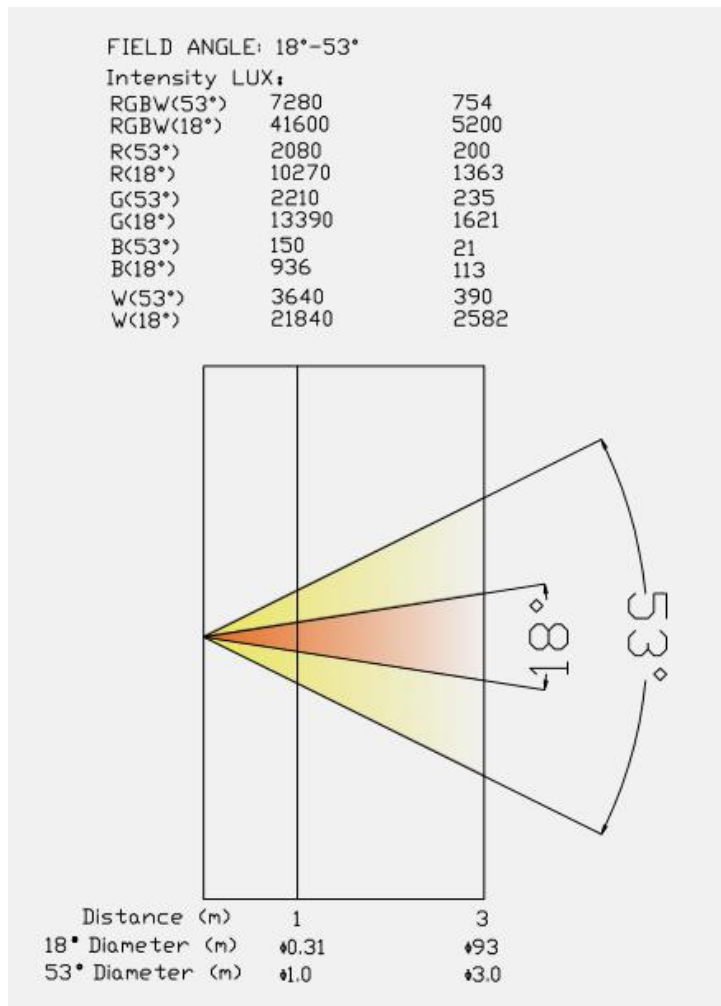
MENU	SUB MENU 1	SUB MENU 2
STAT	R	R.000-255 RED COLOR
	G	G000-255 GREEN COLOR
	B	B.000-255 BLUE COLOR
	W	W.000-255 WHITE COLOR
	S	S.0-20 STROBE FROM SLOW TO FAST
	F	F.000-255 ZOOMING
AUTO	AT.01	RUNNING SPEED FROM 0 SLOWEST TO 99 FASTEST
	AT.02	RUNNING SPEED FROM 0 SLOWEST TO 99 FASTEST
	***	RUNNING SPEED FROM 0 SLOWEST TO 99 FASTEST
	AT.10	RUNNING SPEED FROM 0 SLOWEST TO 99 FASTEST
DMX	D.001-512	SETTING ADDRESS
PRES	STAG	12-CH DMX MODE
	5CH	5-CH DMX MODE
	6CH	6-CH DMX MODE
	7CH	7-CH DMX MODE
	8CH	8-CH DMX MODE
	HSV/3CH	3-CH DMX MODE
ID	ID.01-66	ID.01-66
SET	REST	RESETTING
	IDSW	ON: ID ON
		OFF: ID OFF
	BSW	ON: WHITE BALANCE
		OFF: WHITE BALANCE OFF
	CURE	CURO: LINEAR DIMMER
		CUR1: S-CURVE DIMMER
		CUR2: SQUARE LAW DIMMER
		CUR3: INVERSE SQUARE LAW DIMMER
	DIM	OFF: NOT OCCUPIED
		DIM1: DIMMER SPEED FASTEST
		DIM2: DIMMER SPEED FAST
		DIM3: DIMMER SPEED SLOW
		DIM4: DIMMER SPEED SLOWEST
	POWS	ON: POWER PROTECTION
		OFF: POWER PROTECTION OFF
CALI	RED	25-255:WHITE BALANCE

	GREEN	25-255:WHITE BALANCE
	BLUE	25-255:WHITE BALANCE
KEY	ON	LOCKING BUTTONS
	OFF	UNLOCKING BUTTONS
TEMP	TEMPERATURE 25℃-100℃	TEMPERATURE TESTING
PWMF	PWM: 1.2K-24K	REFRESH RATES SETTING

6. Dimensions(in mm)



7.LUX CHART:



Replacing the fuse

If the fine-wire fuse of the device fuses, only replace the fuse by a fuse of same type and rating.

Before replacing the fuse, unplug mains lead.

Procedure:

Step 1: Open the fuse holder on the rear panel with a fitting screwdriver.

Step 2: Remove the old fuse from the fuse holder.

Step 3: Install the new fuse in the fuse holder.

Step 4: Replace the fuse holder in the housing.

TECHNICAL SPECIFICATIONS

AC 100-240V 50/60Hz

Power consumption: max. 170W

18°-53° marvelous smooth zooming with special sliding guiding system;

*Equipped with 1*COB RGBW 4 IN 1 LED,max.150W, 50,000 hours

0-100% linear dimming, separate strobe

DMX 512 protocol, master/slave, auto,sound active

3/5/6/7/8/12 DMX channel modes

Running temperature self controlling

Displaying off 5 seconds automatically after finishing sets of the fixture

Environmental temperature: -20°C to 40°C

Hanging brackets included: floor stand

Net weight: 3.90kgs

Dimensions: 510*290*260mm(L*W*D)(hanging bracket placed vertically)

Please note: Every information is subject to change without prior notice.