TECHTOP 64-200 LED PAR RGBW DMX User Manual

User manual
LED PAR 64-200 RGBW DMX

Contents

SAFETY INSTRUCTIONS

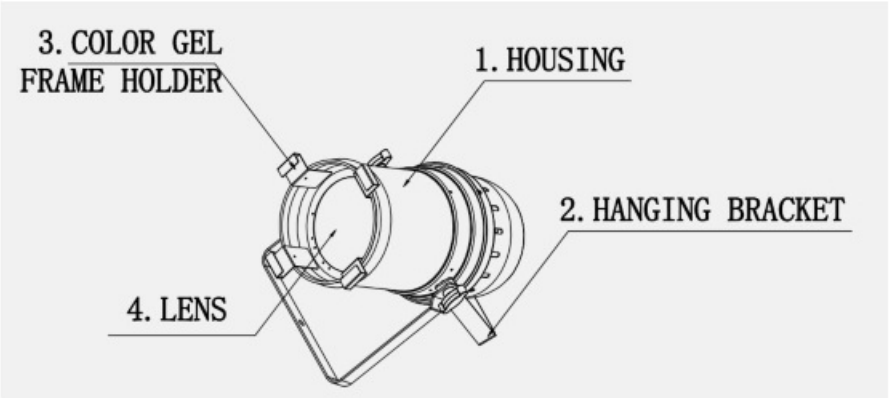
CAUTION!

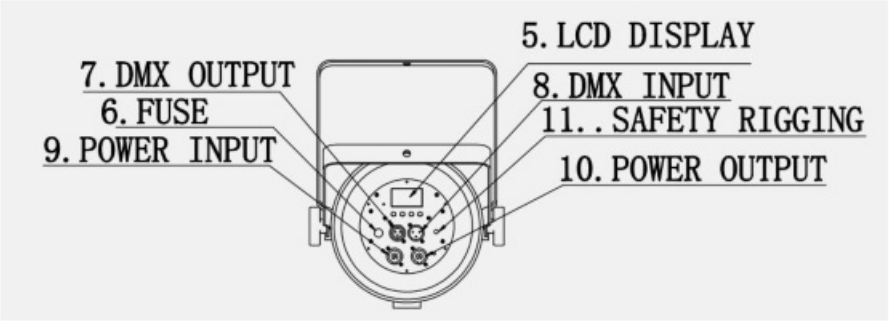
Be careful with your operations. With a dangerous voltage, you can suffer a dangerous electric shock when touching the wires!
Keep this device away from rain and moisture!
Unplug the mains lead before opening the housing!
For your own safety, please read this user manual carefully before your initial start-up.

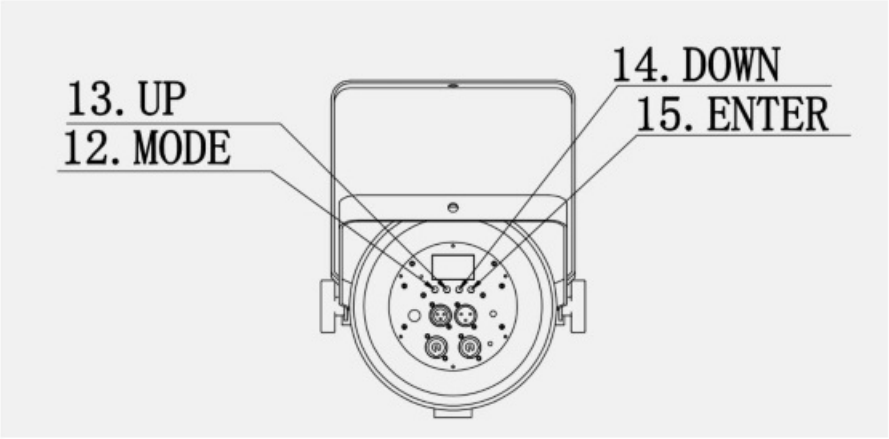
Features:
Stage light is one of the classical COB LED fixtures designed and created uniquely, really ideal for professional stage and installation use
*die-cast aluminum molded housing;
*silent fan;
**safety wires included;
*LED display;
*new PWM dimming electronical theory applied: can adjust from 1.2KHz to 24KHz dimmer frequencies;
*real 16-bit fine dimmer for very smooth, even dimmer;
*four dimming modes;
*18°-53° marvelous smooth zooming with a 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.

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

Sound active

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

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

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.

LED DISPLAY CONTROL:

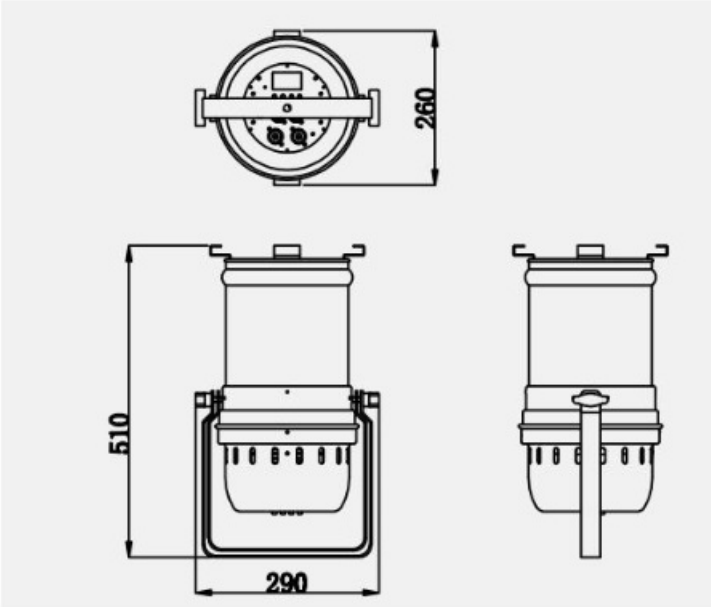
MENU	SUB MENU 1	SUB MENU 2
STAT	**R**	R.000-255 RED COLOR
	G	G000-255 GREEN COLOR
	B	B.000-255 BLUE COLOR
	W	W.000-255 WHITE COLOR
	S	S.0-20 STROBE FROM SLOW TO FAST
	F	F.000-255 ZOOMING
AUTO	**AT.01**	**RUNNING SPEED FROM 0 SLOWEST TO 99 FASTEST**
	AT.02	**RUNNING SPEED FROM 0 SLOWEST TO 99 FASTEST**
	“	**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°C-100°C**	**TEMPERATURE TESTING**
PWMF	**PWM: 1.2K-24K**	**REFRESH RATES SETTING**

Dimensions(in mm)

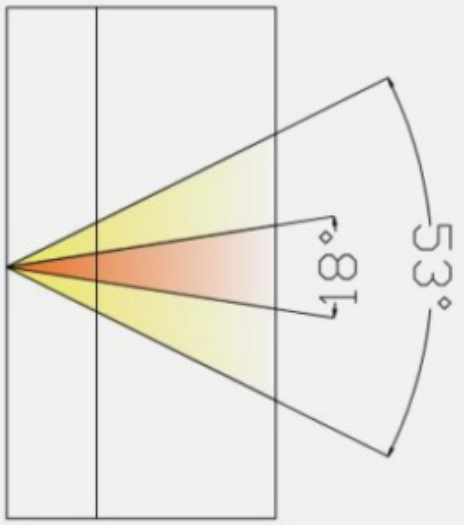


LUX CHART

FIELD ANGLE: 18°-53°

Intensity LUX:

RGBW(53°)	7280	754
RGBW(18°)	41600	5200
R(53°)	2080	200
R(18°)	10270	1363
G(53°)	2210	235
G(18°)	13390	1621
B(53°)	150	21
B(18°)	936	113
W(53°)	3640	390
W(18°)	21840	2582



Distance (m)	1	3
18° Diameter (m)	ϕ0.31	ϕ93
53° Diameter (m)	ϕ1.0	ϕ3.0

Replacing the fuse
If the fine-wire fuse of the device fuses, only replace the fuse with a fuse of the 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 a 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℃ to 40℃
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.

Documents / Resources

 User manual LED PAR 64-200 RGBW DMX	TECHTOP 64-200 LED PAR RGBW DMX [pdf] User Manual 64-200, LED PAR RGBW DMX, 64-200 LED PAR RGBW DMX