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techtop 64-200 DMX II LED Par User Manual

Contents

LED PAR 64-200 DMX II

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 lighting designed and created uniquely, really ideal for theaters, churches, TV studios, photography studios, fashion shows, stage performances, musical shows, etc.

- CRI(Color Rendition Index Ra:90
- Good substitution for traditional par cans with too much heat,no need of dimmer packs;
- Stretched aluminium housing looking comely, streamline forming;
- Safety wires included;
- Power in powerCON/blue, Power out powerCON/grey equipped;
- 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;
- Linear zooming from 23° to 53°;
- Equipped with 1*LED WHITE:JAPAN MADE CITIZEN,MAX. 176W,Ra 90,3000K,50,000 hours
- Driving IC and capacitors from Japan 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 fresnel lens equipped;

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:
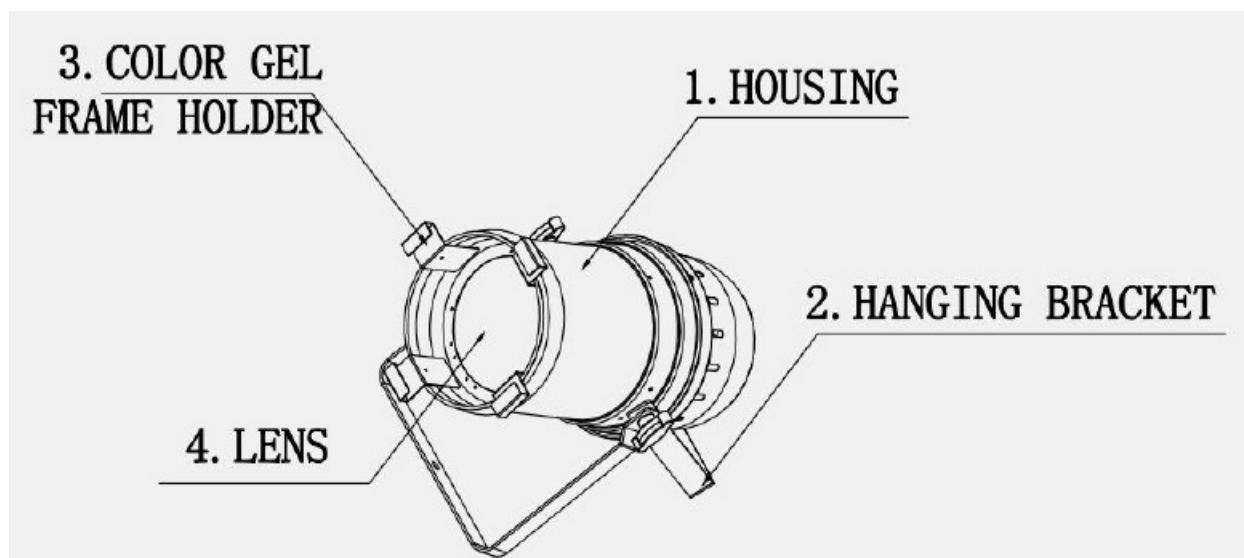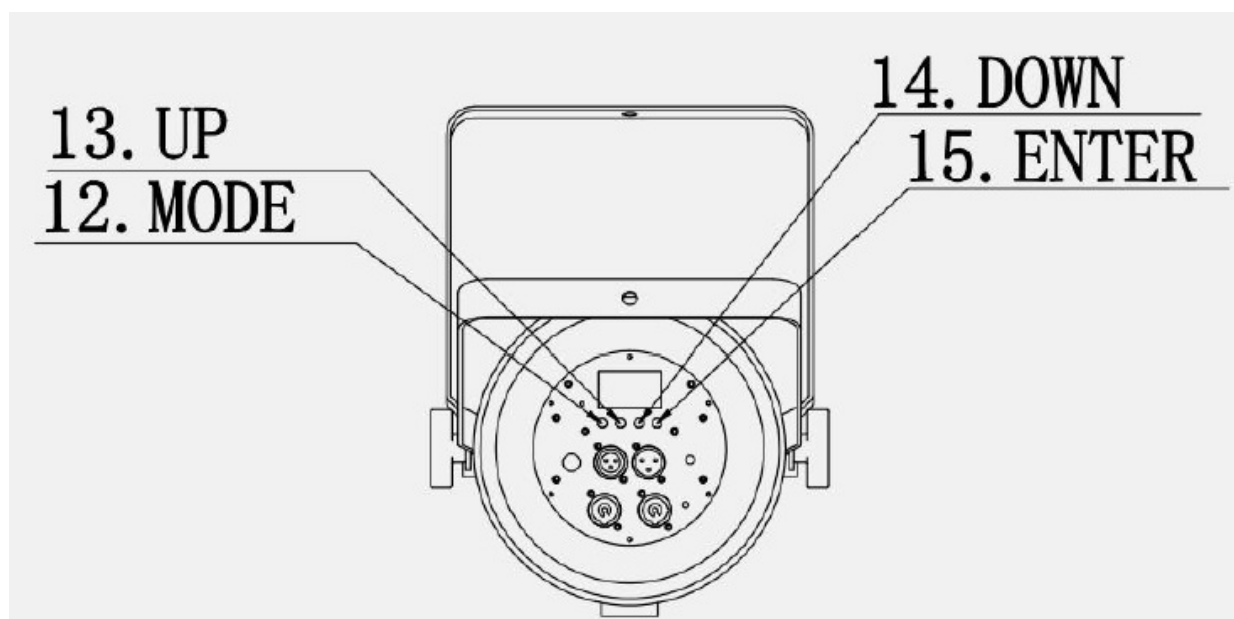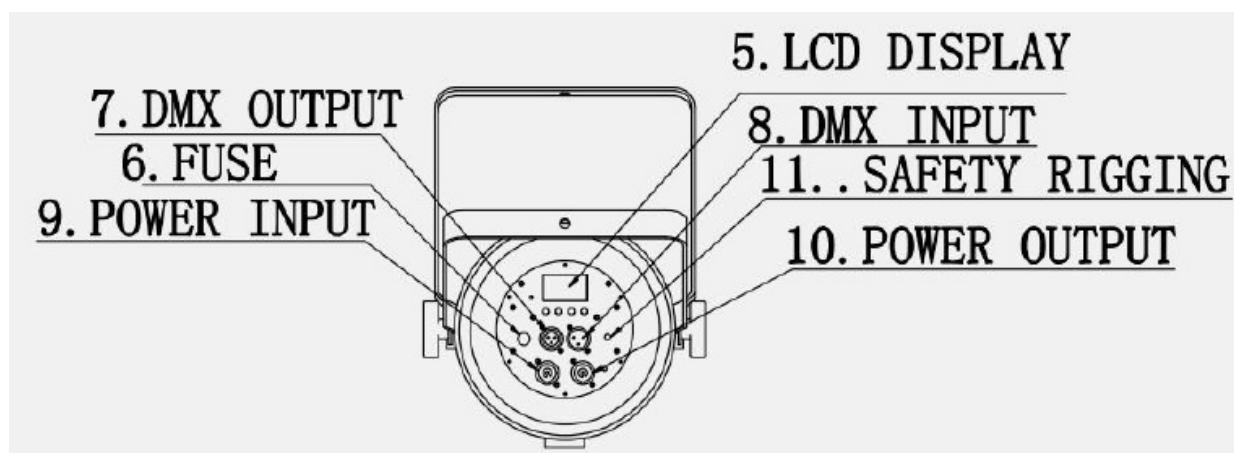
DMX-512 connection / connection between fixtures

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

MODE A:

2-CHANNEL MODE
Channel 1 – dimmer from darkness to full brightness
Channel 2 – linear zooming

MODE B:

3-CHANNEL MODE
Channel 1 – dimmer from darkness to full brightness
Channel 2 – strobe from slow to fast,random,pulse
Channel 3 – linear zooming

MODE C:

4-CHANNEL MODE
Channel 1 – dimmer from darkness to full brightness
Channel 2 – strobe from slow to fast,random,pulse
Channel 3 – linear zooming
Channel 4 – dimmer modes

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

2. LED Display Control:

MENU	FUNCTION
ADDR	001-512,SETTING ADDRESS
CHNL	DMX CH2/3/4 MODES
STRB	STROBE FROM 000 SLOWEST TO 255 FASTEST
UL–	WHITE 000 DARKNESS TO 255 FULL BRIGHTNESS
FL–	ZOOMING FROM 000 TO 255
NODE	4 DIMMER MODES
TEMP	TEMPERATURE DISPLAYING
UERN	FIRMWARE VERSION
RSET	RESET
PNNF	ADJUSTING PWN FREQUENCY FROM 1.2KHZ TO 24 KHZ

3. Dimensions(in mm)

4. LUX Chart

FIELD ANGLE: 23°-53°

Intensity LUX:

	75300	6010	2050
23°LUX	75300	6010	2050
53°LUX	22100	2840	920

23°

53°

Distance (m)	1	3	5
23° Diameter (m)	0.4	1.2	2.0
53° Diameter (m)	1.0	3.0	5.0
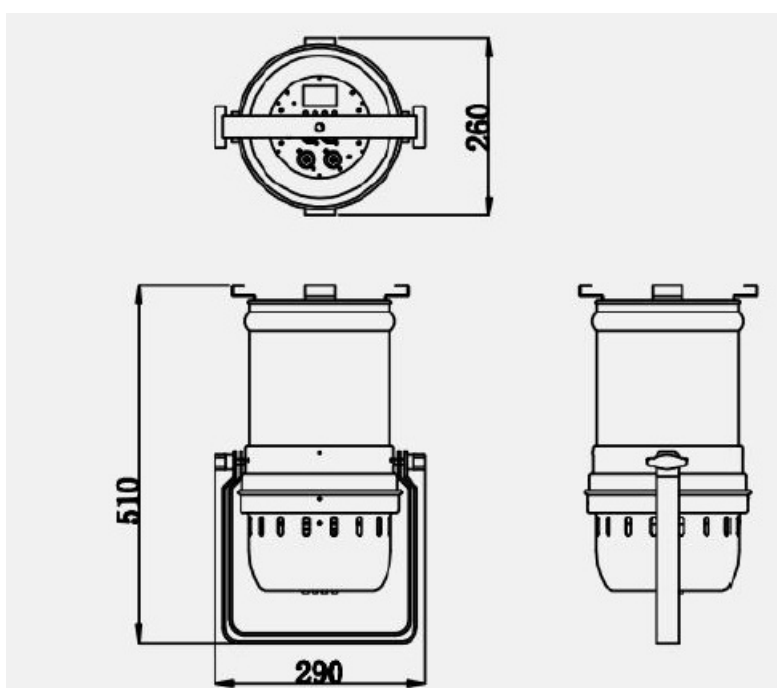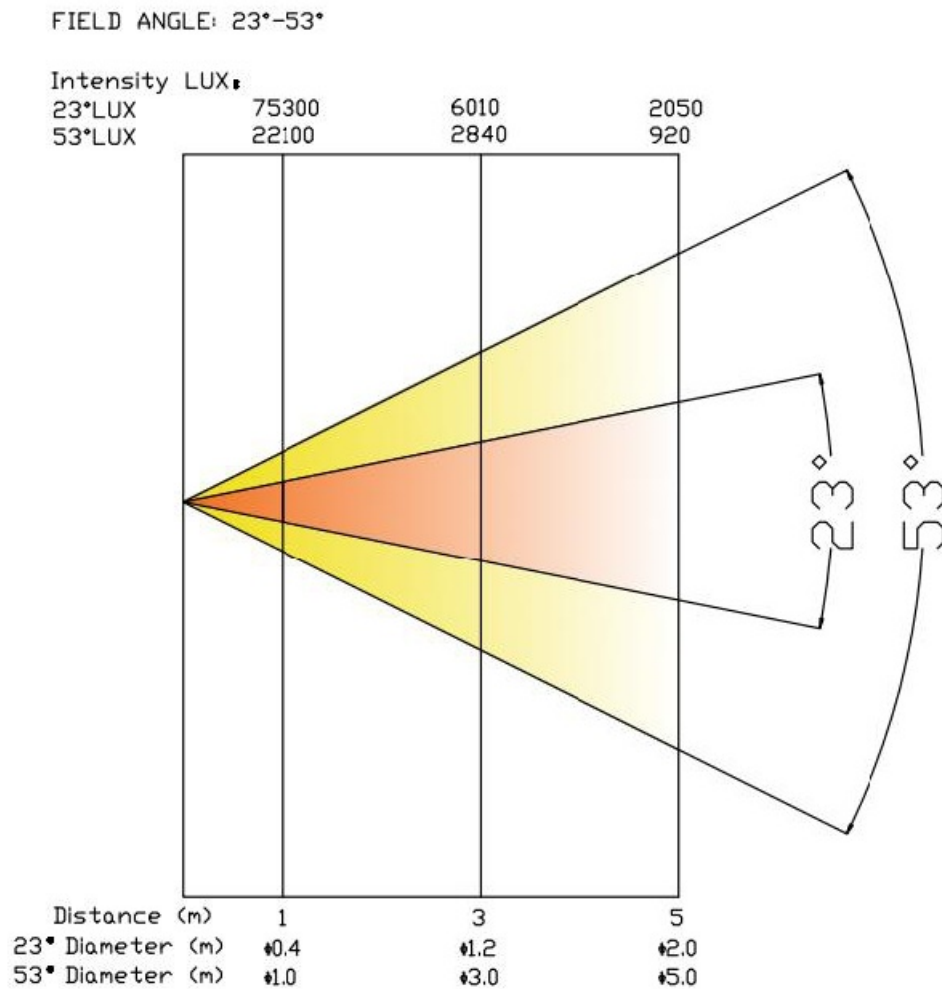
Replacing the fuse

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

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- Intelligent temperature self controlling: self adjusting temperature to protect at the time of max. temperature happening;
- Precise fresnel lens equipped;
  AC 100-240V 50/60Hz
- Power consumption: max. 190W 0-100% linear dimming, separate strobe DMX 512 protocol, master/slave, auto, sound active with adjustable sound sensitivity
  2/3/4 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/hanging on the truss
- Net weight: 4.20kgs
- 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 DMX II SAFETY INSTRUCTIONS *[fine print text]*	**techtop 64-200 DMX II LED Par** [pdf] User Manual 64-200, DMX II LED Par