LED PAR64

DSY-LP-64-177

USER MANUAL

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➢ Summarize

Thank you for purchasing our LED PAR64 lighting. Please read these instructions carefully before begin and operate the fixtures according to these instructions to avoid any possible damages and accidents causes by misusage.

➢ Products introduce

This led par64 light is uses aluminum shell, designed in a fashion of hydrodynamic form. Appearance shows: long can, short can or short can with color filter. It takes uses R, G, B 3kinds LED, the color mixing effect is very good, high brightness. Each color can be independently dimmer, fading changes and so on. It uses power switch, performs low weight and consumption, stable capability and long life. The built-in program includes dimmer, strobe, eotic, gradual change, fading and so on. International standard DMX 512 signal is requested. Applicable to the stage background, dance halls, hotels, hotels, large-scale performance and so on.

➢ Packing list

- LED PAR64 light   1PC

- DMX Signal line   1PC (sold separately)
- The use manual
- Warranty Card

二、 Safety Information

➢   Safety Notes

! Enquire the skilled people before any repair;

! Always make sure disconnect from the power source before setting up, serving and moving;.

**!** Avoid direct eye exposure to the fixture when it is on;

避免电击!

> ## Safety instuction

● Make sure the power supply voltage are consistent with this lights， Ensure the use of voltage is in the range of the request technical parameter.

●before the installation , please check the light's fasteners and mechanical structure have been received in good condition and appear no damage.

●This light is designed for indoor use, working temperature is lower than 40 degree.

●The fixtures maybe mounted in any position provided there is adequate room for ventilation. Make sure there are no inflammable and explosive items(ornaments) in 0.5 meters away.

●Yellow / green cabling earthling safety; no flicker when the fixture is working on.

三、 Outside Size Picture
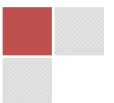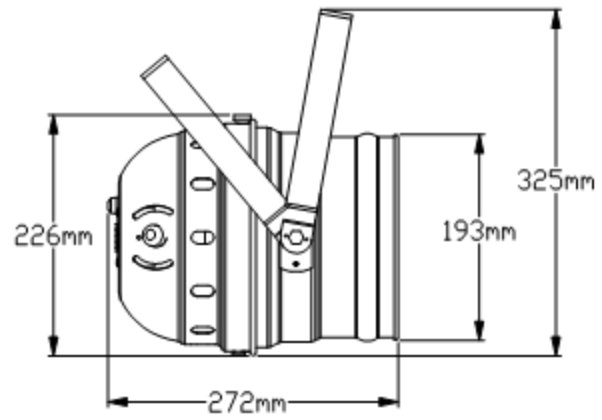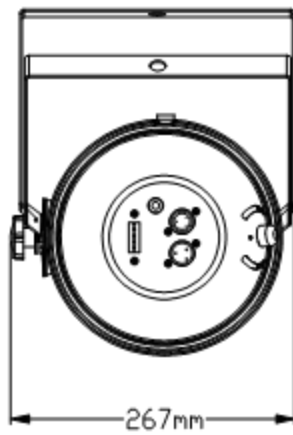
LED PAR64(short can)
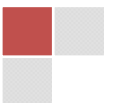
Main Function

- high quality LED:low consumption,brighness, stable capability and long life
- each color of LED with 256 dimming. RGB can make over 16.7 million colors
- liner dim 0%-100%, Stobe、gradual change、jumping change
- DMX512 Controller，4 button set DMX ID address with led display
- auto run /sound activated/master slave/interconnected multi-machine control
- body color:black/white/optional
- DMX512 channels:6 channels
- Protection rate:IP20

DMX Control Function

Channel	DMX Value	Control Function	Remark	Priority
1CH	0-255	Red Dimming 0——100%		1
2CH	0-255	Green Diming0——100%		
3CH	0-255	Blue Dimming 0——100%		
4CH	0-255	RGB dimming 0——100%	While use this CH, CH1, CH2, CH3 is invalid	
5CH	0-14	Dimming	When the 6CH above is 32-223, this channel has the function of speed adjustment0-255	2
	15-255	Strobe Speed		
	0-31	Invalid		
	32-63	From dark to bright	Must use CH1、2、3 otherwise no light, From the 5CH, start the speed adjustment	
	64-95	From bright to dark		
	96-127	From dark—bright—dark		

6CH	128-159	RGB Gradient	From the 5CH adjust the speed(CH1、CH2、CH3 is invalid)	3
	160-191	3 colors jumping change		
	192-223	7 colors jumping change		
	224-255	Sound activated		

六、 **Display Operation**

DMX IN/OUT

LED display

4 buttons
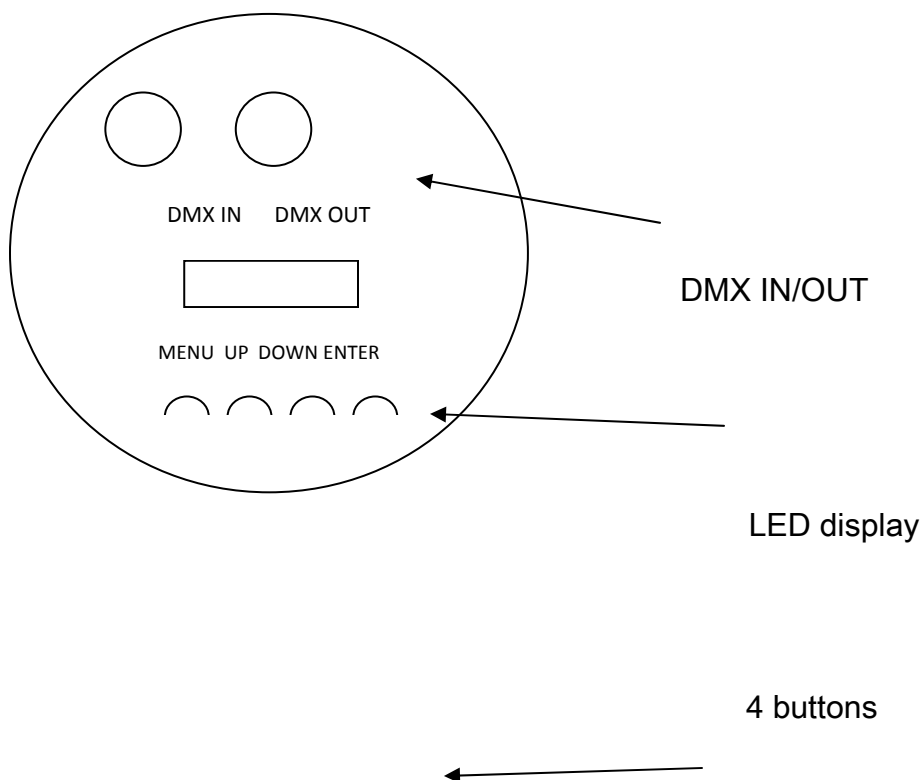
- ➢ MENU : access the menu or return to a previous menu option
- ➢ ENTER: select the current menu option
- ➢ UP: menu selection or parameter increments
- ➢ DOWN: menu selection or parameters decrease

Manual Instruction

Operating instruction:

MENU > ENTER > UP/DOWN > ENTER

MENU is used to access the menu or return to a previous menu option. It can not be used to select and store the current menu option. Press UP / DOWN to choose a desired

1. menu item. Here are the operation details :

➢ "addr": DMX mode （A001-A512）

➢ "SouF": Voice-activated strobe mode

➢ "SouA": Voice-activated no strobe mode

➢ "SP"; built-in program speed change model (SP00-SP15, SP00 is the fastest)

➢ "Pr"; Built-in program （Pr00-Pr15 16 program in all）

➢ "ASC"; seven colors jumping（AS00-AS15 speed adjustable）

➢ "FAdE": gradual change model（FA00-FA15 speed adjustable）

➢ "FLAS": white color strobe（FL00-FL15 speed adjustable）

➢ "rL": red color brightness adjustment mode（r000-r255,, r255 is the brightest）

➢ "gL": green color brightness adjustment mode（g000- g255, g255 is the brightest）

➢ "bL":   blue   color   brightness   adjustment   mode（b000-   b255,   b255   the   brightest）

2. Press ENTER to access the further menu setting. This process can be saved automatically; that means you will enter the process saved previously when you activate the light next time. For example, if you want to choose DMX mode A001, operate as follows:

➢   Press MENU, go back to the initial setting

➢   Press UP / DOWN until Addr

➢   Press ENTER to choose, the display will glinting at this moment

➢   Press UP / DOWN to change the address code to select A001

➢   Press ENTER to select and store the current menu options. DMX mode will be

stored automatically and the screen will stop glinting.

3. Details of program built inside（Pr- - ）
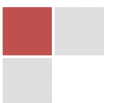
➤ Press MENU, go back to the initial setting

➤ Press UP / DOWN until Pr--

➤ Press ENTER to choose, the display will glinting at this moment

➤ Press UP / DOWN to change the address code to select pr00

➤ Press ENTER to select and store the current menu options. DMX mode will be stored automatically and the screen will stop glinting.

Pr00:red;   Pr01:green   Pr02:blue   Pr03:amber   Pr04:cyan

Pr05:purple   Pr06:white;   Pr07:red+strobe;   Pr08:green+strobe

Pr09:blue+strobe;   Pr10:amber+strobe;   Pr11:cyan+strobe

Pr12:purple+strobe;   Pr13:white+strobe;

Pr14:RGB jumping change;   Pr15: 7 colors jumping change;

Note : Pr7--- Pr15 Can change the content Of SP，correct the speed of jumping change , SP00 is the fastest，SP15 is the slowest

八、 Operating Control Instruction

➤ **Master/Slave**

Master：The master should always working as a master as long as it is not set in a DMX mode whatever other modes it is. And it send out the signal so that the slave synchronous with it. To avoid the host signal and DMX512 signals interfere with each other, should cut off the DMX512 signals. The signal lines are longer than 60 meters(20 lamps) ,should increase a signal amplifier.

Slave:Slave must be set in DMX mode and the address code should be A001, to assure receive the master's signals correctly. Only one light can be set as a Master and others are slaves.
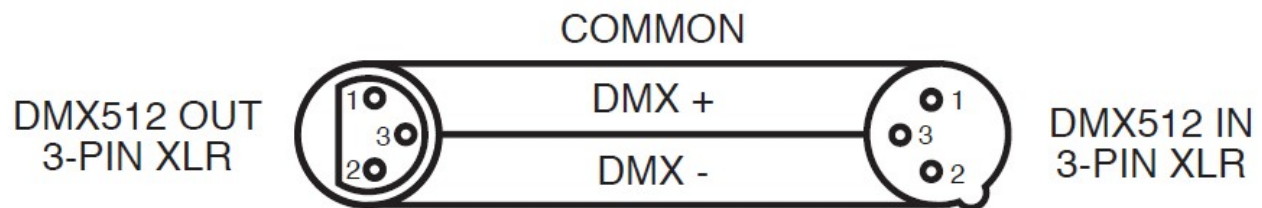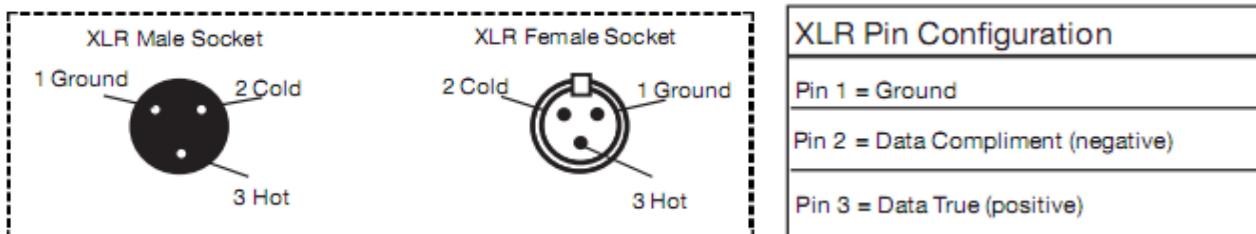
九、XLR cable connecting

➤ **XRL cable：**

The stand connection way of the XRL is: one end connect to the male plug ,and the other connect to the female.As bellow:pin 1:ground,pin 2: negative signal,pin 3: positive

signal

XLR Male Socket / XLR Female Socket	XLR Pin Configuration
1 Ground 2 Cold 3 Hot	Pin 1 = Ground
2 Cold 1 Ground 3 Hot	Pin 2 = Data Compliment (negative)
	Pin 3 = Data True (positive)

COMMON

DMX512 OUT 3-PIN XLR   1 3 2   DMX +   DMX -   1 3 2   DMX512 IN 3-PIN XLR

Noted：In order to avoid failures and interference signal transmission，we connect a

resistance120Ω（1/4W） at the end of the DMX connecting as below:
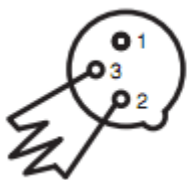
Termination reduces signal errors and avoids signal transmission problems and interference. It is always advisable to connect a DMX terminal, (Resistance 120 Ohm 1/4 W) between PIN 2 (DMX-) and PIN 3 (DMX +) of the last fixture.
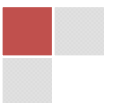
➢ The Conversion between 3pin and 5 pin XLR

If the output cable of DMX512 controller is the 5PIN, please use 1pc 5PIN to 3PIN cable

3-Pin XLR to 5-Pin XLR Conversion		
Conductor	3-Pin XLR Female (Out)	5-Pin XLR Male (In)
Ground/Shield	Pin 1	Pin 1
Data Compliment (- signal)	Pin 2	Pin 2
Data True (+ signal)	Pin 3	Pin 3
Not Used		Do Not Use
Not Used		Do Not Use