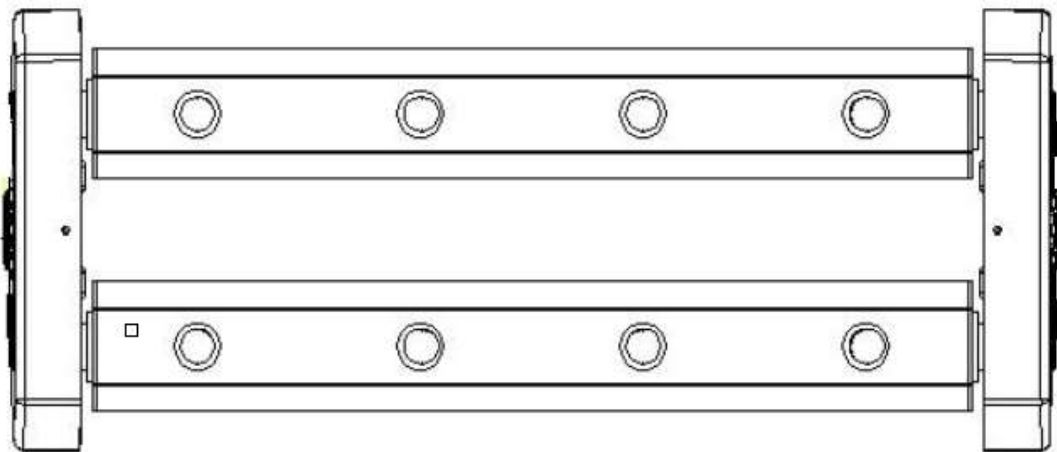


SPIDER LASER

USER MANUAL



LASERLIGHT



Please read this manual carefully before use!

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Introduction

Thank you for your patronage. We are confident that our excellent products and service can satisfy you. For your own safety, please read this user manual carefully before installing the device.



In order to install , operate, and maintain the lighting safety and correctly. We suggest that the installation and operation should be done by the verified technician and follow the instruction strictly.

Following spare parts are included with the fixture:

1. One quick lock handle
2. One use manual
3. One power cable

Caution

Before leaving the factory, this device has passed strict inspection, functions stable and perfect packing. If this device will be operated in any way different to the one described in this manual, the product may suffer damages and the guarantee becomes void. Furthermore, any other operation may lead to dangers like short circuit, burns, electric shock, crash etc. If any technology changes of this manual, company do not notice in further and have interpretation.

CAUTION!	
	Keep this device away from rain and moisture!
	Unplug mains lead before opening the housing!

	Warning!
Damages caused by the disregard of this user manual are not subject to warranty. The dealer will not accept liability for any resulting defects or	

Symbol Instruction On The Device

 -----CE compliant

 -----Only indoor using

 -----RoHS certificate

 -----The minimum distance from lighted objects (meter)

$T_a = \text{---} \text{ } ^\circ \text{C}$ -----Max ambient Temp


 $T_B = \text{---} \text{ } ^\circ \text{C}$ -----Max housing Temp

----- Safety caution

 -----Be careful of burn

 -----Danger high voltage

----Do not install directly on the surface of ordinary combustible materials

1. Safety Instructions

- Please open and check whether break or not for transport once receive this fixture, if yes, don't use it and contact dealer or manufacture as soon as possible.
- The Max applicable temperature for the light is 40°C. Do not use the light when the ambient temperature exceeds 40 degrees, $t_a=40^\circ\text{C}$
- The fixture is applicable for many occasions, please keep it clean, and avoid long use in overheating or dusty environment. To prevent the fixture from the chemical liquid .
- User must be careful of fire, heat, electric and fall-off that make heavy or fatal injury. Please read this user manual carefully before power on and installation, follow safety and operation instruction in it. If still have any question, please contact dealer or manufacture.
- User must follow this user manual, do not open fixture by yourself, if any problem, please contact professional technician, maintenance should be done by technician.
- Do not turn on the fixture before installation, please turn off the light after working more than 8 hours, which will prolong the lifespan of the fixture.
- During installation, prevent strong shocks or do not by strong shocks or vibration.
- The minimum distance between light and the illuminated surface must be more than 1 meter.



- Never look directly into the light source to avoid hurt to eyes (especially epileptics)!
- When dust proof glass at light output breaks, cracks or other visible damage, user should replace with new glass instead.

2. Installation

- ▶ This fixture is not suitable for direct installation on combustible material surface, please keep the fixture surface at least 0.5m from any combustible material.
- ▶ If you use the quick lock cam in hanging up the fixture, please make sure the quick lock fasteners turned in the quick lock holes correctly.
- ▶ The truss for hanging the fixture should be able to hold 10 times weight of this fixture and no deformation after 1 hour hang.
- ▶ Please don't stand under the fixture when install, uninstall, move or repair the fixture.
- ▶ Please ensure the light is connected correctly and invite professional technician to check and confirm the electrical data before installation.



- ▶ Please invite professional technician to check the fixture and installation each year.

3、 Product specifications

1. Input voltage:AC100V~240V 50/60Hz

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2. Fuse : BGDG ϕ 5x20mm 250VAC T2A
3. Power consumption:70W
4. Control mode: auto/sound/DMX512/Master-slave
5. DMX channels : 12/16CH
6. Scanning : step motor
7. Working temperature:10°C~40°C
8. Storage temperature: 1°C~40°C
9. Modulation: TTL
10. Inner box size:73 *30*24cm
11. Master carton size:75*32*52cm (2pcs/carton)
12. N.W : 16KG G.W : 12.5KG

4. LED digit display menu:



A: MENU

B: DOWN

C: UP

D: ENTER

Press MENU to choose Address / DMX/ Color/ Manual/ Demo /Auto/Sound/ Temp /Version /Hours, then press ENTER to confirm or to enter the next step.if there are more function for options, press UP/DOWN to choose, then press ENTER to confirm, then press MENU to exit, or wait for 10 and exit automatically.

Remarks: if no any operation on any button, the display will turn off automatically in 20seconds; if no DMX signal, the first dot of the display will turn on statically, if with DMX signal, the dot will flash.

5. LED display Function Instruction

No.	Display	Function Instructions
1	Addr	Set DMX address 1-512
2	CHND DMX	Choose 12/16 channels
3	Auto	SP00-99 Auto speed adjustment
4	Soun	SE00-99 sound sensitivity adjustment
5	Inv	Inv 1: ON/OFF

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		Inv 2: ON/OFF
6	Corr	Cor 1: 0-254 correction Cor 2: 0-254 correction
7	Deft	Yes (default)
8	Rest	Yes (reset)
9	Version	Software version : Ver 1.0

6、DMX channel table

12DMX channels

Channel		Value	Function
CH1	Motor A	0-255	motor A position choose
CH2	Motor A	2-255	motor A speed (slow to fast)
CH3	Laser A-1	0-127	Laser A-1 OFF
		128-255	Laser A-1 ON
CH4	laser A-2	0-127	Laser A-2 OFF
		128-255	Laser A-2 ON
CH5	Laser A-3	0-127	Laser A-3 OFF
		128-255	Laser A-3 ON
CH6	Laser A-4	0-127	Laser A-4 OFF
		128-255	Laser A-4 ON
CH7	Motor B	0-255	motor B position choose
CH8	Motor B	0-255	motor B speed (slow to fast)
CH9	Laser B-1	0-127	Laser B-1 OFF
		128-255	Laser B-1 ON
CH10	Laser B-2	0-127	Laser B-2 OFF
		128-255	Laser B-2 ON
CH11	Laser B-3	0-127	Laser B-3 OFF
		128-255	Laser B-3 ON
CH12	Laser B-4	0-127	Laser B-4 OFF
		128-255	Laser B-4 ON

16 DMX channel table

Channel		Value	Function
CH1	Mode choose	0-127	DMX mode
		128-255	Sound activated mode
CH2	Motor A	0-255	motor A position choose
CH3	Motor A	2-255	motor A speed (slow to fast)
CH4	Motor B	0-255	motor B position choose
CH5	Motor B	0-255	motor B speed (slow to fast)
CH6	laser effect	0-9	CH8-CH16 valid
		10-255	laser chasing effect (CH8-16 invalid)
CH7	laser chasing speed	0-255	laser chasing speed (slow to fast)
CH8	laser strobe	0-9	no strobe
		10-255	strobe speed from slow to fast
CH9	Laser A-1	0-127	Laser A-1 OFF
		128-255	Laser A-1 ON
CH10	laser A-2	0-127	Laser A-2 OFF
		128-255	Laser A-2 ON
CH11	Laser A-3	0-127	Laser A-3 OFF
		128-255	Laser A-3 ON
CH12	Laser A-4	0-127	Laser A-4 OFF
		128-255	Laser A-4 ON
CH13	Laser B-1	0-127	Laser B-1 OFF
		128-255	Laser B-1 ON
CH14	Laser B-2	0-127	Laser B-2 OFF
		128-255	Laser B-2 ON

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CH15	Laser B-3	0-127	Laser B-3 OFF
		128-255	Laser B-3 ON
CH16	Laser B-4	0-127	Laser B-4 OFF
		128-255	Laser B-4 ON

7. DMX-512 control connection

Connect the provided XLR cable to the male 3-pin XLR output of your controller and the other side to the female 3-pin XLR input of the light. You can chain multiple lights together through serial linking, the signal cable should have two core with shielded cable, the signal connectors are with XLR input and output connectors. Please refer to the below diagram:



8. DMX address setting

Each fixture must set a specific starting address. When receiving signal, fixture will receive channel control signals of this address from the DMX controller.

For easy to use, the user can set the same address for several fixtures, also can set up a unique address for every device.

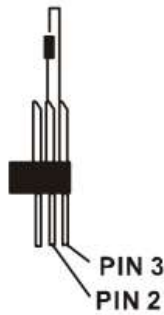
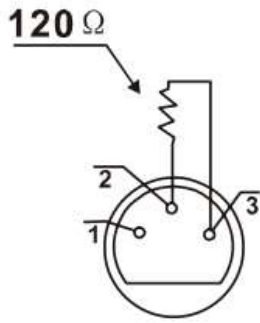
If you set the same address for all fixtures, all the fixtures will receive from the same DMX channels signal. All connecting fixtures are jointly controlled, controller can't separate control a device.

If you set a different address for each fixture, each fixture will receive unique signal and can be controlled by DMX controller separately.

This fixture has 12 channels. you should set the starting address of the first unit to 1, the second unit to $14(1 \times 13 + 1)$, the third unit to $27(2 \times 13 + 1)$, and so on.

DMX-512 connection with DMX terminator

If there are many lines or lights, it is recommended to use a DMX terminator to prevent DMX signal corruption, the DMX terminator is a simple XLR plug with a 120Ω resistor connected between pins 2 and 3, which is then plugged into the output XLR socket of the last fixture in the chain.

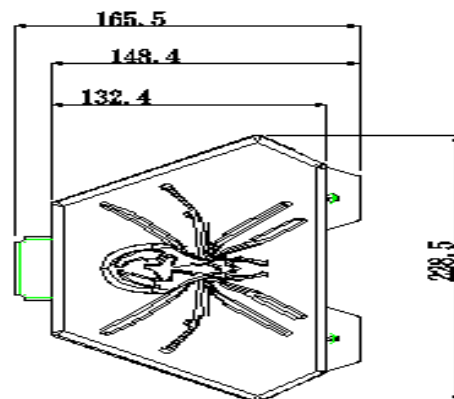
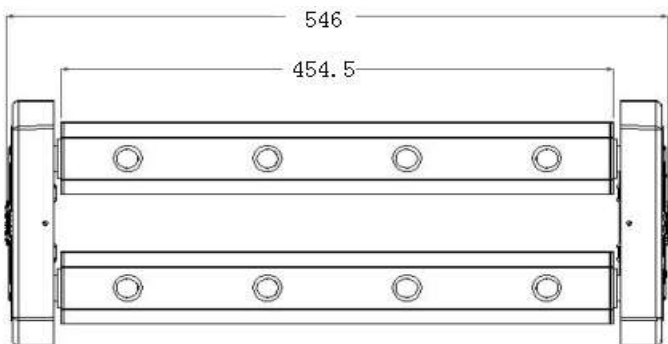


Welding a 120 ohm resistor between 2 and 3 pins male XLR , and insert it into the signal output of the last device

9. Rigging:

- ▶ The applicable temperature for the fixture is between -25°C to 45°C . Do not use the lighting under or above this temperature range.
- ▶ The truss for hanging the fixture should be able to hold 10 times weight of this fixture and no deformation after 1 hour hang.
- ▶ Please don't stand under the fixture when install, uninstall, move or repair the fixture.
- ▶ Please ensure the light is connected correctly and invite professional technician to check and confirm the electrical data before installation.
- ▶ Please invite professional technician to check the fixture and installation each year.

10、 product dimension



9. Cleaning and maintenance

Cleaning should be performed every 15-day period, by using a sponge which is dipped with alcohol, rather than wet cloth or other chemical liquid, to clean the mirror.



CAUTION

Cut off power before cleaning and maintenance!

Attention

Do not see directly light source when open the light, and make sure power off before do any installation or maintenance.



CAUTION!

Never look directly into the light source,
as sensitive persons may suffer an epileptic shock.



CAUTION

Wires connection must be done professional person!

Warranty Card

We will provide 1 year warranty under the condition that user has operated the light normally and lifetime service. We won't provide warranty if the damage is caused by artificial or force majeure event. Please cut this warranty card and shipped it along with the product to our factory when applying for warranty.

Product:	
Purchasing date:	
Code of invoice:	
Warranty date: From	To
User's name:	Add:
Company:	Tel: