LEDDye beam lamp

Focus rotate

19 15W four in one

CE F ⏚ IP20 LED)⊣---0.2m ta 40℃ tc 150℃
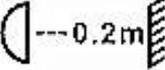
Instructions

Please read the manual carefully and keep it properly before using the product

1. Unpacking

Thank you for choosing to use our 19 head shaking dye beam lamps. In order to use this product correctly and safely, please read the instructions carefully before installing and using this product. This manual contains important installation and application information. Please strictly follow the operating steps of the manual when installing and operating the product. At the same time, please keep this manual properly.

Our 19 head shaking dye beam lamps use a new and beautiful high temperature resistant engineering plastic shell and high hardness metal body. This product is designed and produced in strict accordance with the CE standard. It conforms to the DMX512 signal protocol of the international standard. It can be used alone or online. It has the characteristics of fast rotation, low noise and powerful function. It is suitable for small and medium-sized concerts, theatres, studios, nightclubs, bars and other places,

This product uses 19 15W 4 in 1 light beads with high brightness and stability. Please carefully remove the package. After the package is removed, check whether the product is damaged during transportation, and check whether the following contents are complete.

Shaking head dyeing lamp ----------- 1 signal line ------ 1

Quick lock ------------ 2 instructions ------ 1

Power cord ------------ 1 safety rope ------ 1

2. Product introduction
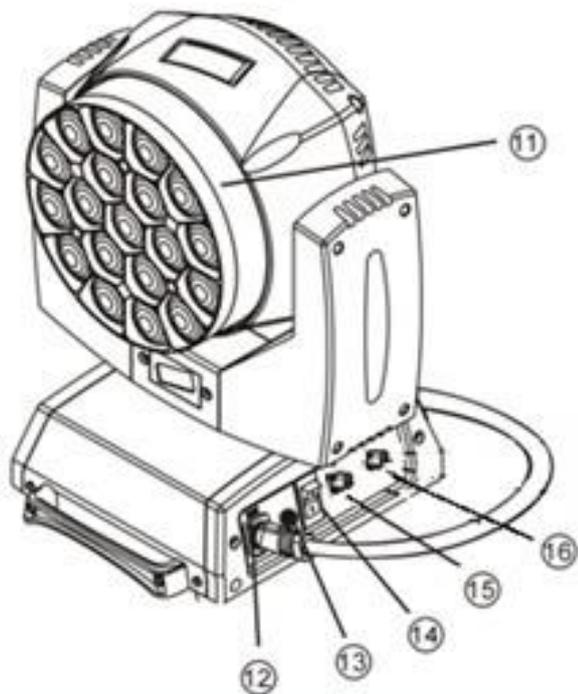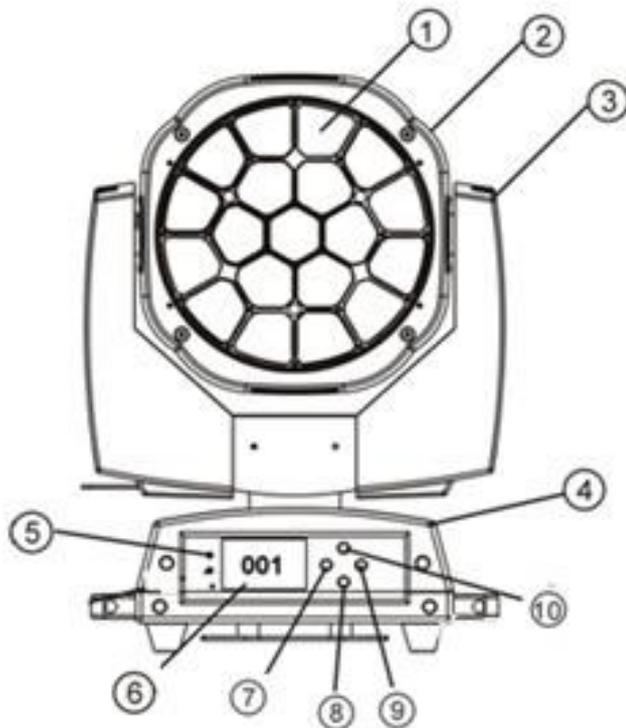
①	lens
②	Lamp holder
③	Arm
④	base
⑤	DMX signal lamp
⑥	LCD display
⑦	Menu keys
⑧	Down button
⑨	Enter key
⑩	Up button
⑪	Lens disk
⑫	Power input
⑬	Power output
⑭	power switch
⑮	Signal input
⑯	signal output

3. Safety instructions

be careful!
Please be careful before operating this product. This product is a high-voltage product.
If you touch the wire, you may get electric shock

This product is intact before leaving the factory. In order to keep the product in good condition and ensure safe operation, users should follow the safety precautions and the warnings in this manual.

Important: damage caused by non-compliance with this manual is not covered by the warranty. The supplier shall not be responsible for the product problems caused thereby.

If the product has been exposed to extreme unstable temperature environment (such as after transportation), please do not connect the product power immediately, because the water droplets caused by temperature changes may damage the product. Please use the product after it returns to normal temperature.

This product can be used in the voltage range of 90-240v. It is used indoors. Please ensure that the ground voltage used is not higher than the range that the product can withstand!! The power plug must be plugged into a class I socket with good protection. The green or Teal conductor must be grounded.

Please check the power cord of this product frequently. Make sure that the power cord is not folded, damaged or scratched, and is not connected with other cords! Pay special attention when connecting the power cord or related wiring. When not using this product or before cleaning, be sure to unplug the power supply.

Before using the product, please be familiar with the operation function of the product. Please do not let children or unprofessional personnel come into contact with the product.

Please do not shake this product. Do not use brute force when installing or operating the product. Do not let unprofessional personnel operate the product. Most of the damage is caused by unprofessional operation.

The product is not equipped with relevant maintenance accessories. The product can only be repaired and maintained by professionals!

Please do not change the product without authorization, otherwise the product may be damaged, so the damage caused is not within the scope of warranty. Moreover, unprofessional operation may lead to short circuit, burn or electric shock, etc.

4. operating instructions

--This product is a shaking head dyeing beam lamp, which is used to create dyeing performance effect.

--If the product passes through a large temperature difference (for example, after transportation), do not start the product immediately, because the hot account and cold shrinkage will damage the product. Please wait until the equipment reaches the normal room temperature before starting the product.

--Pay attention to shockproof. Avoid strong collision during product installation.

--Please do not lift the whole product through the lamp cap, because the mechanical property of the equipment may be damaged.

--When selecting the installation location, please ensure that the product is not exposed to overheating, too wet or dusty places. Please do not put any wires on the ground, otherwise you may be in danger of electric shock.

--Before installing the product, make sure the installation point is safe

--Please fasten the product with safety rope and check whether all screws are correct during installation

--Make sure the lens is in good condition. Replace the lens when it is damaged or scratched.

--It is recommended that technicians familiar with the product operate the product. It is forbidden for non-technical personnel to operate this equipment, because many losses are the result of unprofessional operation.

--Please keep the packaging materials properly in case of secondary transportation.

--Do not change the product without the guidance of the manufacturer or dealer.

--Any equipment failure caused by the operation and use of this equipment not in accordance with the provisions of the manual does not belong to the scope of warranty. Moreover, any accidents caused by short circuit, injury, electric shock, ultraviolet radiation and bulb explosion are not covered by the warranty。

5. Product hanging and installation

Note: for the sake of safety, please hang and install this product away from the aisle, seat area, or area accessible to hands

Before hanging this product, please ensure that the installation point can bear 10 times the weight of this product.

The product must be installed with double protection devices, such as safety rope.

When hanging, removing or repairing this product, it is forbidden to stand under the installation point

Please ensure that this product is installed at least 0.5m away from flammable materials.
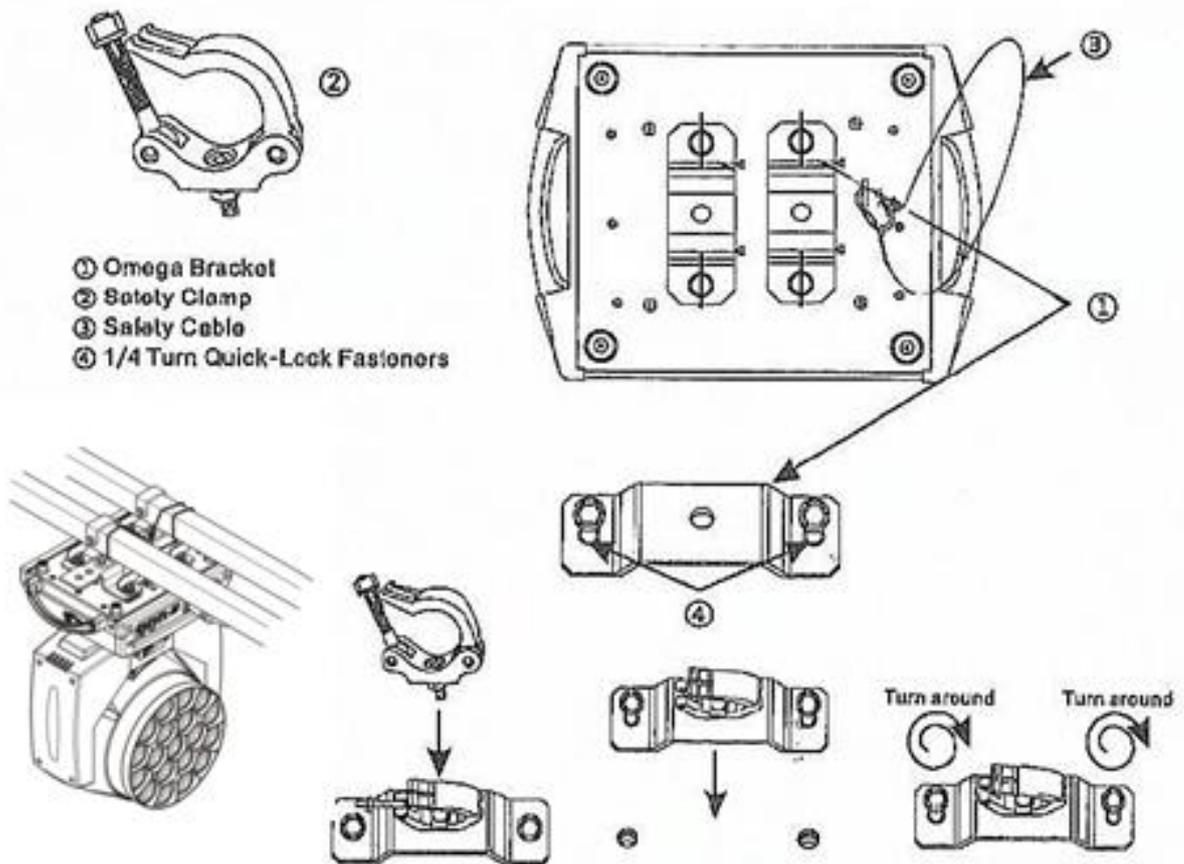
Please remember to use the safety rope as a safety guarantee to prevent accidents when the lock is loose.

Lifting point: the top hanging requires that the installation personnel must be experienced, including calculating the load-bearing requirements, the installation materials used, and periodically checking the safety status of the installation materials and products. If you lack this knowledge, please do not try to install it yourself. Improper operation may lead to serious consequences such as personal injury.

Please ensure that all required hanging and installation steps are completed before the product is powered on.

Quick lock hanging: there are specially designed professional hanging parts at the bottom of this product, including quick lock hanging parts and safety rope hanging points (please refer to the figure below).

When hanging the product on the truss, please remember to use a suitable quick lock, fix it on the quick lock hanger of the product, and hang it with M10 screws. To further ensure safety, please install the safety rope at the safety rope hanging point at the bottom of the product and fix it on the truss.

① Omega Bracket
② Safety Clamp
③ Safety Cable
④ 1/4 Turn Quick-Lock Fasteners

No matter what kind of hanging you choose, please remember to use safety rope. There is a special safety rope hanging point at the bottom of the product. Please refer to the above figure, and remember to use the specially provided safety rope hanging

6. DMX-512connect

Please insert the male connector of the XLR signal line equipped with this product into the signal output port of the controller and the female connector into the signal input port on the rear board of this product. You can say that multiple products are connected in series. The signal line needs to be three core, shielded, with XLR input and output heads. Please refer to the figure below.

DMX Output
3-Pin XLR Socket

DMX Input
3-Pin XLR Socket

1: Ground
2: Data (-)
3: Data (+)

2=DMX"-"

DMX IN   3=DMX"+"   DMX OUT

1=GND
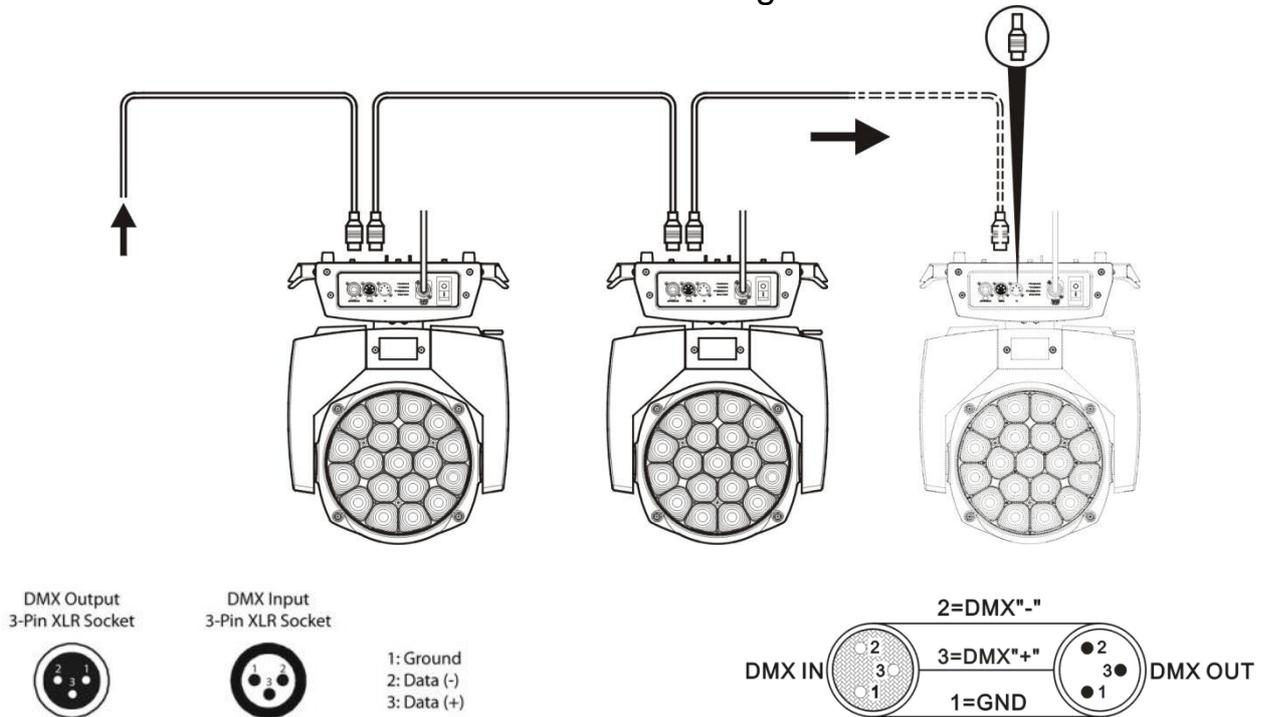
DMX-512 connection requires Terminator (loop connection)

In the installation process, if the signal line is laid for a long distance, or in the environment with noisy electrical appliances, such as song and dance hall, it is recommended to use DMX Terminator (loop connection). In this way, the digital control signal turbidity caused by electrical noise can be avoided. DMX terminator is composed of simple XLR connector, 2-core and 3-core connected with a 120 ohm resistance. Please insert the terminator into the XLR output port of the last product, please refer to the figure below.

120 Ω

PIN 3
PIN 2
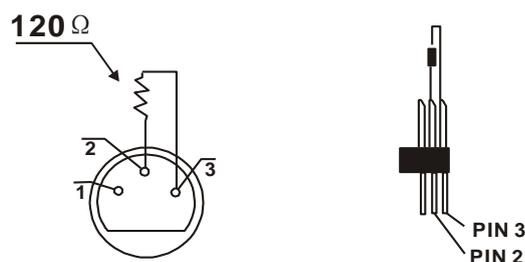
23Channel mode

passageway	function	DMX value	describe
1	Xaxis	0-255	0-540 degrees
2	XAxis fine adjustment	0-255	16bit adjustable
3	Yaxis	0-255	0-205 degrees
4	YAxis fine adjustment	0-255	16bit adjustable
5	XYspeed	0-255	Speed from fast to slow
6	focusing	0-255	The angle changes from small to large
7	rotate	0-127	0 ~ 60 degrees
		128-191	Stepless turn from fast to slow
		200-255	Stepless inversion from slow to fast
8	Total dimming	0-255	Linear dimming from dark to light
9	Stroboscopic	0-3	Light up
		4-255	Synchronous stroboscopic speed from slow to fast (1hz-25hz)
10	R dimming	0-255	Linear dimming from dark to light
11	G dimming	0-255	Linear dimming from dark to light
12	B dimming	0-255	Linear dimming from dark to light
13	W dimming	0-255	Linear dimming from dark to light
14	Color temperature	0-255	Linear color temperature regulation
15	dyeing	0-255	Built in color selection, 4 numbers and one combined color
16	Static effect	0-255	7 counts, one effect
17	Dynamic effect	0-255	Three counts, one effect
18	Dynamic effect speed	0-255	From slow to fast (with 15 channels)
19	Background color R	0-255	Linear dimming from dark to light
20	Background color G	0-255	Linear dimming from dark to light
21	Background color B	0-255	Linear dimming from dark to light
22	Background color w	0-255	Linear dimming from dark to light
23	reset	0-250	No function
		251-255	Lamp body reset 5S effective

25Channel mode

passageway	function	DMX value	describe
1	X axis	0-255	0-540 degrees
2	X-axis trim	0-255	16bit adjustable
3	Y axis	0-255	0-205 degrees
4	Y-axis trim	0-255	16bit adjustable
5	XY speed	0-255	Speed from fast to slow
6	focusing	0-255	The angle changes from small to large
7	rotate	0-127	0 ~ 60 degrees
		128-191	Stepless turn from fast to slow
		200-255	Stepless inversion from slow to fast
8	Total dimming	0-255	Linear dimming from dark to light
9	Stroboscopic	0-3	Light up
		4-203	Synchronous stroboscopic speed from slow to fast (1hz-25hz)
		204-255	Random stroboscopic
10	R dimming	0-255	Linear dimming from dark to light
11	G dimming	0-255	Linear dimming from dark to light
12	B dimming	0-255	Linear dimming from dark to light
13	W dimming	0-255	Linear dimming from dark to light
14	Color temperature	0-255	Linear color temperature regulation
15	dyeing	0-255	Built in color selection, 4 numbers and one combined color
16	Pattern dilution	0-255	Pattern effect fade
17	Pattern translation	0-255	Pattern translation
18	Static effect	0-255	7 counts, one effect
19	Dynamic effect	0-255	Three counts, one effect
20	Dynamic effect speed	0-255	From slow to fast (with 15 channels)
21	Background color R	0-255	Linear dimming from dark to light
22	Background color G	0-255	Linear dimming from dark to light
23	Background color B	0-255	Linear dimming from dark to light
24	Background color w	0-255	Linear dimming from dark to light
25	reset	0-250	No function
		251-255	Lamp body reset 5S effective

101Channel mode

passageway	function	DMX value	describe
1	X axis	0-255	0-540 degrees
2	X-axis trim	0-255	16bit adjustable
3	Y axis	0-255	0-205 degrees
4	Y-axis trim	0-255	16bit adjustable
5	XY speed	0-255	Speed from fast to slow
6	focusing	0-255	The angle changes from small to large
7	rotate	0-127	0 ~ 60 degrees
		128-191	Stepless turn from fast to slow
		200-255	Stepless inversion from slow to fast
8	Total dimming	0-255	Linear dimming from dark to light
9	Stroboscopic	0-3	Light up
		4-203	Synchronous stroboscopic speed from slow to fast (1hz-25hz)
		204-255	Random stroboscopic
10	R dimming	0-255	Linear dimming from dark to light
11	G dimming	0-255	Linear dimming from dark to light
12	B dimming	0-255	Linear dimming from dark to light
13	W dimming	0-255	Linear dimming from dark to light
14	Color temperature	0-255	Linear color temperature regulation
15	dyeing	0-255	Built in color selection, 4 numbers and one combined color
16	Pattern dilution	0-255	Pattern effect fade
17	Pattern translation	0-255	Pattern translation
18	Static effect	0-255	7 counts, one effect
19	Dynamic effect	0-255	Three counts, one effect
20	Dynamic effect speed	0-255	From slow to fast (with 15 channels)
21	Background color R	0-255	Linear dimming from dark to light
22	Background color G	0-255	Linear dimming from dark to light
23	Background color B	0-255	Linear dimming from dark to light
24	Background color w	0-255	Linear dimming from dark to light
25	reset	0-250	No function
		251-255	Lamp body reset 5S effective

passageway	function	DMX value	describe
26	R1 LED dimming	0-255	Linear dimming from dark to light
27	G1 LED dimming	0-255	Linear dimming from dark to light
28	B1 LED dimming	0-255	Linear dimming from dark to light
29	W1 LED dimming	0-255	Linear dimming from dark to light
…	…………	…………	…………
98	R1 LED dimming	0-255	Linear dimming from dark to light
99	G1 LED dimming	0-255	Linear dimming from dark to light
100	B1 LED dimming	0-255	Linear dimming from dark to light
101	W1 LED dimming	0-255	Linear dimming from dark to light

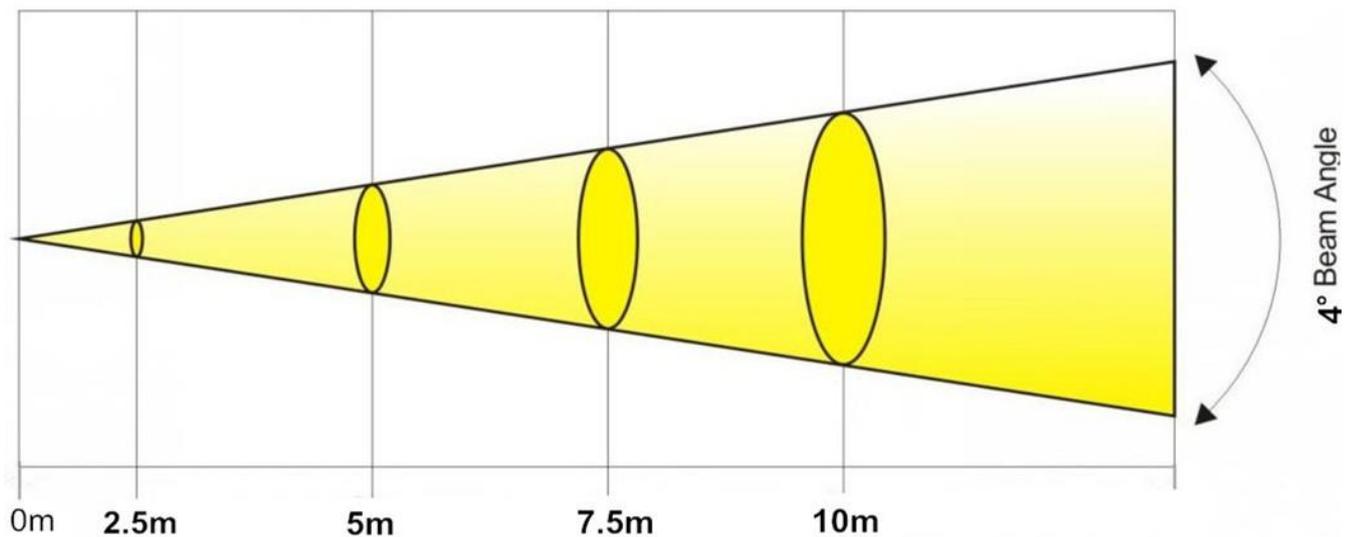## 8:Menu diagram

9. lumen value

4Optical lumen

R   8700LUX@2.5m   2550LUX@5m   1150LUX@7.5m

G   13800LUX@2.5m   3800LUX@5m   1780LUX@7.5m

B   15300LUX@2.5m   4460LUX@5m   1970LUX@7.5m

W   18000LUX@2.5m   5300LUX@5m   2320LUX@7.5m

RGBW   50400LUX@2.5m   15500LUX@5m   6680LUX@7.5m

10. Product features
Voltage: ac90-240v 50-60Hz
Total power: 450W
Light source: 19 four in one 15W high brightness light beads
Beam angle: 4-60 °
Stroboscopic: 1-25 times / second with multiple stroboscopic effects
Dimming: 0-100% linear dimming.
Channel: built in 6 channel modes 23 ch / 25 ch / 101 Ch
Control: DMX512, self-propelled, voice control, artnet (optional)
Horizontal scanning: 540 degrees + 16 bit fine adjustment,
Vertical scanning: 250 degrees + 16 bit fine tuning
Display screen: Chinese and English display
Network card (optional) built in battery (optional)
Net weight: 15kg
Package size: 530 * 420 * 510mm (1 set / carton), gross weight: 19kg
700 * 460 * 700mm (2 sets / air box), gross weight 56kg

1. characteristic:
2. 1. Each lamp bead can be controlled separately.
3. 2. The lens with unique honeycomb design can rotate infinitely and bring a variety of dream effects.
4. 3. The display screen can automatically rotate 180 ° to adapt to different installation angles.
5. 4. It integrates light beam, dyeing, effect and other purposes.
6. 5. Scanning position memory function, which can be reset automatically.
7. 6. With fan cooling and automatic temperature detection function, the system will automatically stop working when it detects that the temperature is too high to protect the lamps.
8. Address code setting: the built-in long-life battery can be charged automatically. When setting the address code, it is not necessary to turn on the lamp power (optional)〉

11. Product maintenance and cleaning

Please pay attention to the following points when testing this product:

1. All screws and parts for installing products must be closely connected without rust.
2. The shell, lens, fixings and installation location (such as ceiling, hanger, truss, etc.) shall not be deformed
3. Mechanical moving parts shall be free from wear and unbalanced rotation.
4. The power cord shall be free from any damage, material damage or scar

The installation and use of products must be carried out by trained professional technicians, and the potential safety hazards must be eliminated.

注意：请在做产品保养前把电源线拔掉！！

In order to keep the product in good condition and prolong its service life, we recommend routine cleaning of the product.

1. Clean the external lens and internal lens of the product every week to prevent the light output of the product from weakening due to the dust accumulation of the lens.
2. Clean the fan every week.
3. Every three months, professional electrical engineers conduct detailed circuit inspection on the products to ensure that the circuit contacts are in good condition, so as to prevent the circuit contacts from aging due to overheating.

We suggest that the product should be cleaned regularly. Please be careful not to use damp or linen. Never use alcohol or solvent for cleaning.

This product is not equipped with replacement parts, please refer to the "installation instructions" section.

If the user needs any spare parts, please purchase them from the local dealer.