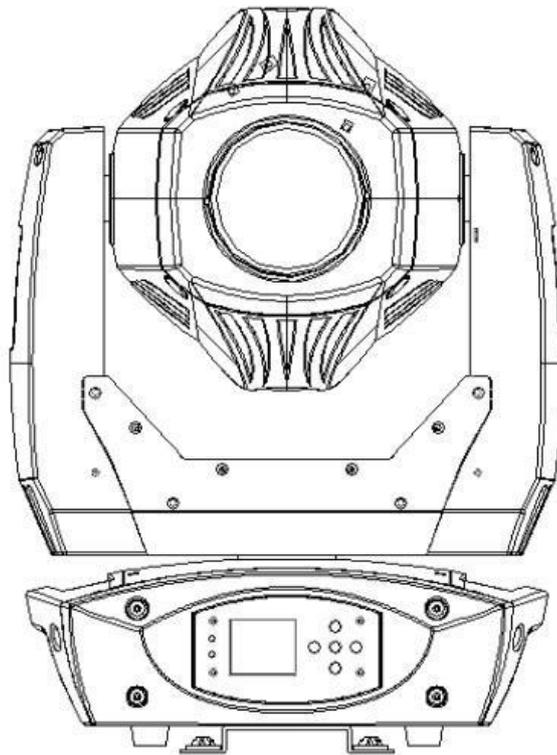


CE

200w LED 3in1 Moving Head Light



CE F IP20 LED 0.2m t_a 40°C t_c 150°C

User Manual

(Please read the instructions carefully before using.)

1. dismantling packing

Thank you for the choice of our products. For correct and safe use of this product, please read the instructions carefully before installing and using this product. This manual contains important information on installation and application. Please strictly observe the operation procedures of the instructions when installing and operating products. At the same time, please keep the instructions properly.

Our LED shake head lamp uses a new beautiful high temperature engineering plastic case and a high hardness metal body. This product strictly follows the CE standard for design and production, and is in line with international standards.

The DMX512 signal protocol, which can be used alone, and can be used online, has the features of fast rotation, low noise and powerful functions. It is suitable for small and medium concerts, theaters, studios, night clubs and bars.

This product uses bright and stable 200wLED lamp beads. Please carefully remove the packaging and check if the product is damaged during the transportation process after the packaging is dismantled, and check whether the following contents are complete.

Shakes head lamp ----1	signal line ----1
Fast lock ----2	instructions ----1 book
Power cord ----1	strip ----1 bar

8. product features

Light source: 200W LED white light module maximum power: 290W

Power supply: wide voltage input switching power supply 100V-240V 50-60Hz

Color temperature: 7500K

Lamp life: 50000 hours

Angle of light spot: 7-21 degrees

Control mode: 18 channels, DMX512 signal input, voice control, automatic operation.

X/Y scan: 540 degrees, vertical: 270 degrees

Color: 9 color plates + white light, rainbow effect, can be positioned arbitrarily.

Pattern: 7 pluggable pattern, pattern rotation, pattern water effect fixed

pattern: 10 fixed pattern + white light, with jitter, positive and negative water effect dimming: 0-100 linear dimming

Stroboscopic: 0-25ZH/S per second, synchronous pulse stroboscopic, random

pulse stroboscopic effect plate: 4 prism, with positive and negative rotation effect.

Display: LCD display, Chinese and English display, reverse display product size: 343*232*537MM

Package size: 57x45x44MM net weight: 15KG

Gross weight: 18KG

2. Safety instructions

This product is a perfect product before it comes out of the factory. To keep the product in good condition and ensure safe operation, users should follow safety precautions and warnings.

Important: damage caused by failure to follow this instruction is not covered by warranty. Supplier is not Responsible for the resulting product problem.

If the product has been exposed to an extremely unstable temperature (such as after transportation), please do not immediately attach the power to the product, because the water droplets produced by the temperature change may damage the product. Please use it after the product is restored to normal temperature.

This product can be used in 90–260V voltage range and is used for indoor products. Please make sure that the voltage is not higher than the product's acceptable range!! Power plug must be inserted into I socket with good protection. Green or tea green conductors must be grounded.

Please check the power supply line of this product. Ensure that the power cord is not folded or damaged, and does not connect to other lines. Special attention should be paid when connecting power lines or related wiring. Always remove the power before using the product or before cleaning.

Before you use the product, please familiarize yourself with the operation function of the product. Please do not expose children or unprofessional people to products.

Please don't shake this product. Do not use brute force when installing or operating products. Do not let non professionals operate the product. Most of the damage is caused by unprofessional operation.

The products are not equipped with relevant maintenance accessories. The maintenance and repair of products can only be done by professionals. Please do not alter the product without authorization, otherwise it may damage the product, so the damage caused is not within the scope of warranty. Moreover, unprofessional operation may lead to short circuit, burn or electric shock, and so on.

3. Operation description

This product is a headlamp dyed beam lamp, which is used to create the beam effect.

- if the product is subjected to a large temperature difference (for example, after transportation), do not start the product immediately, because the shrink of the heat account will damage the product. Please wait until the equipment reaches normal room temperature before starting the product.

- take care of the shock. Avoid strong collisions during the installation of the product.

Please do not lift the entire product through the lamp holder, because the mechanical properties of the device may be damaged.

- make sure that the product is not exposed to overheating, too wet or dusty areas when selecting the installation site.

Please do not put any wires on the ground, otherwise you may suffer the danger of electric shock.

Before installing the product, please ensure that the installation point is safe

Please attach the safety rope to the product and check if all the screws are correct during installation.

Please make sure that the lens is in good condition. Replace lens when lens is damaged or scratched.

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

Please keep the packing materials properly for two transport.

If there is no instruction from the manufacturer or distributor, please do not alter the product without authorization.

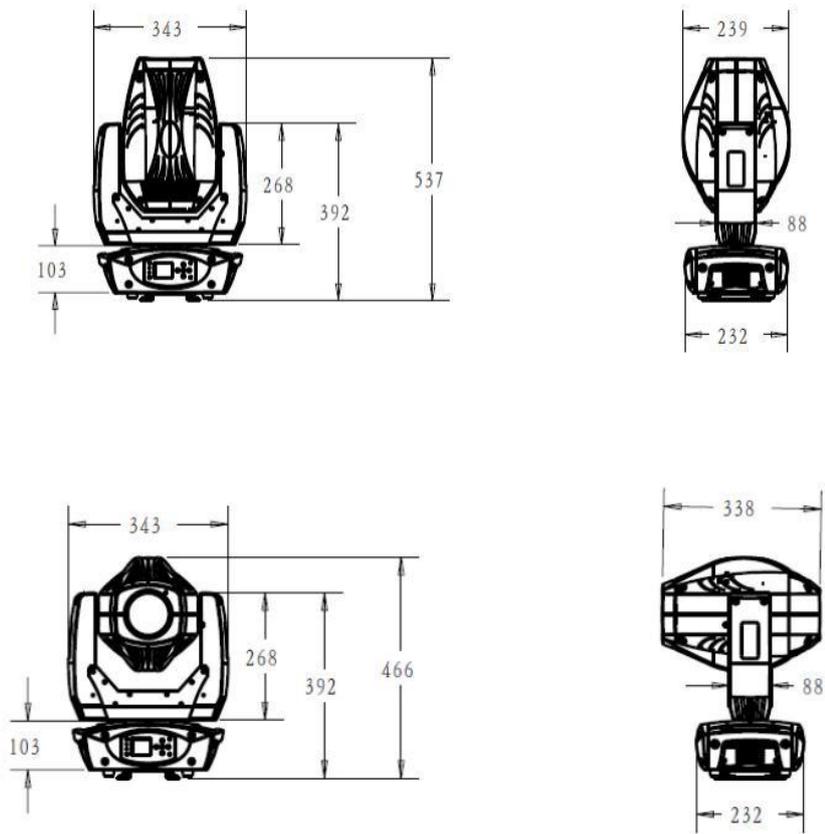
- any equipment failure caused by the operation of the equipment without the instructions specified is not covered by the warranty. And any accidents caused by short circuit, injury, electric shock, ultraviolet radiation, and explosion of light bulbs caused by this are not covered by the warranty.

4. Product hanging and installation

Note: for safety reasons, please install this product in the area far away from the aisle, seating area, or manually accessible area.

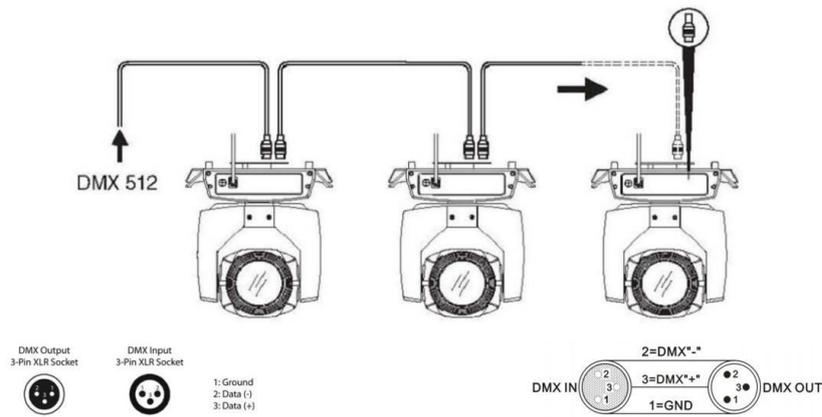
Before hanging this product, make sure that the installation point can bear 10 times the weight of the product. Product installation must have double protective devices, such as safety rope.

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



DMX-512 Control connection

Plugged the XLR signal line of the product into the signal output port of the controller, and the female head is inserted into the signal input port on the rear panel of the product. You can talk



about multiple products in series, the signal line needs three cores, shielded, with XLR input and output header. Please refer to the following picture.

DMX-512 connection requires a terminal (loop connection)

In the installation process, if the distance of the signal line is

long, or in the noisy environment, such as the song and dance hall,

the DMX terminal (loop connection) is recommended. This avoids the

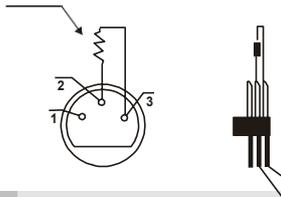
turbidity of digital control signals caused by electrical noise.

The DMX terminal is composed of a simple XLR connector 2 core and

a 3 core connected to a 120 ohm resistor. Please insert the terminal

into the XLR of the last product.

For the output port, please refer to the following figure.



4. Channel table (18 channel mode)

Chann	Funct	DMX	Fuction
1	X axis	0-255	0-540 degree of X axis
2	X axis fine	0-255	X axis 16bit
3	Y axis	0-255	0-240 degree of Y axis
4	Y axis fine	0-255	Y axis 16bit
5	XY Speed	0-255	From fast to slow
6	Total dimming	0-255	From dark to bright
7	Stroboscopic	0-3	Light lamp
		4-99	Synchronous stroboscopic
		100-149	Flicker
		150-199	Burst flash
		200-249	Random stroboscopic
		250-255	Light lamp
5	Chromatic disc	0-19	Linear change of color 1
		20-39	Linear change of color 2
		160-179	Linear change of color 9
		180-199	Blank linear change
		200-226	Clockwise color flow, from fast to slow
		227-228	Stop
229-255	Reverse clockwise flowing water, from slow		
		0-4	Empty
		5-54	10 fixed patterns, every 5 Digital pairs

		55-154	10 fixed patterns jitter fast to slow, each
		155-204	CIS pointer pattern water, from fast to slow
		205-205	No function = stop
		206-255	Reverse clockwise flowing water, from slow
10	Revolving pattern plate	0-79	7 rotating patterns + blank, every 10
		80-159	7 rotating patterns + blank jitter fast
		160-206	Clockwise pattern water, from fast to slow
		207-208	Non functional stop
		209-255	Reverse clockwise pattern water, from slow to fast
11	Pattern disc rotation	0-127	0-360 degrees of rotation of the pattern
		128-191	The pattern rotates clockwise from fast to
		192-193	Stop turning
		194-255	The pattern turns clockwise from slow to
12	Prism insertion	0-127	Prism removal
		128-255	Prism insertion
13	Prism Rotation	0-127	90 degrees of rotation of prism
		128-190	The pattern rotates clockwise from fast to
		191-192	Stop turning
		193-255	The pattern turns clockwise from slow to
14	atomization	0-127	Atomization removal
		128-255	Atomization insertion
15	focus	0-255	0 to 100% linear focusing
16	enlar	0-255	0 to 100% linear amplification
17	Macro function	0-50	No Function
		51-100	System self-test
		101-150	Self-working 1
		151-200	Self-working 2
		201-255	声控
18	复位	0-250	无效区域
		251-255	复位（保持 5 秒生效）

Menu Operation

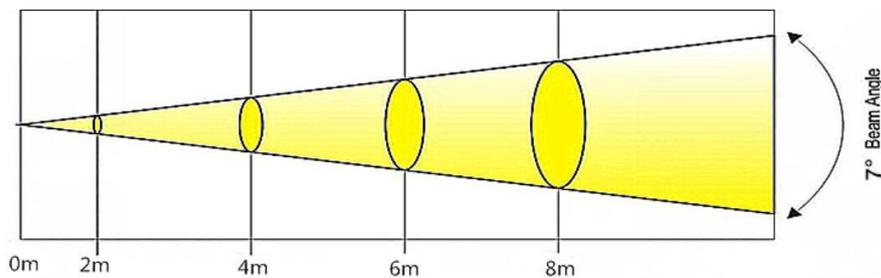
No.	Menu	Concrete explanation
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1	DMX address code	001-512
2	System setup	Operation mode (DMX, sound control, self walk 1, self walk 2, self 3) Local number: 000-255 channel mode (18 channel) Horizontal inversion (open, close), vertical inversion (open, close). Horizontal vertical exchange (open and close), motor position error correction (on / off), screen protection (on / off) No signal (keep, clear) language (English, Chinese) Restore factory settings
3	Manual mode	Empty
4	calibration	Empty
5	System test	Empty
6	系统信息	无

7. Photometric data (Liu Ming)

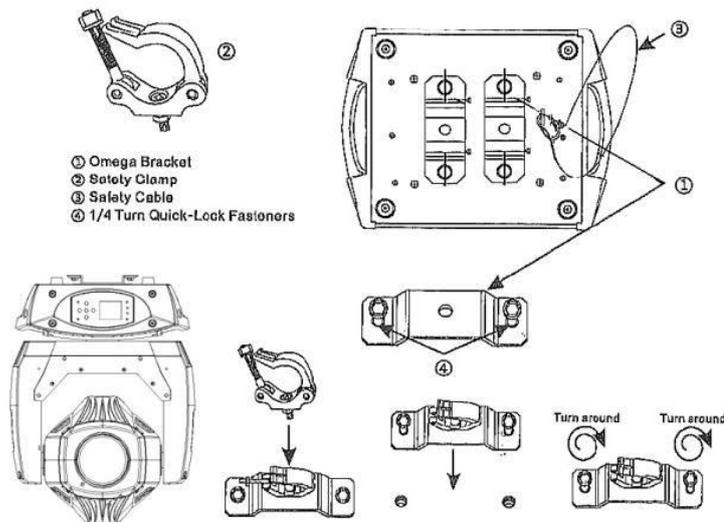
Lumen data at 7 degrees of beam angle

25200 lumen @4 m 11600 lumen @6 m 6500 lumen @8 M



Lumen data at 21 degrees of beam angle

3260 lumen @4 m 1530 lumen @6 m 860 lumen @8 M



9. product maintenance and cleaning

When testing this product, please pay attention to the following points:

- 1. the screws and components of all the installation products must be tightly connected and not rusted.**
- 2. shell, lens, fixings and installation locations (e.g. ceiling, hangers, trusses, etc.) can not be deformed.**
- 3. mechanical moving parts can not be worn and can not be rotated unevenly.**
- 4. the power cord must not be damaged, broken or damaged.**

The installation and use of products must be carried out by trained professional and technical personnel.

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 suggest cleaning the products regularly.

1. clean the external lens and internal lens of the product every week to prevent the light output from weakening due to the lens dust.
2. clean the fan every week.
3. every three months by the professional electrical engineer to carry out a detailed circuit inspection of the product to ensure that the circuit contact is good to prevent the aging of the circuit contacts due to overheating.

We suggest that products should be cleaned regularly. Please be careful not to use damp or linen. Do not use alcohol or solvents for cleaning.

This product is not equipped with replacement parts. Please refer

to the "installation instructions" part. If the user needs any spare parts, please purchase it to the local distributor.