BEAM 230

MOVING HEAD

User Manual

Catalogue

1、**Open-package inspection**

First of all thank you for buy our products.Please read this user manual completely and carefully, and keep it well for reference when needed. This use manual includes important information about the installation and using of the moving head. Please hew to the relevant specification strictly when install and use this product.

This Moving head light is made of new high strength heat-resistant engineering plastic and cast aluminum shell , with beautiful design and smooth outlook, Is the representative of the modern lights. This product strictly according to CE standard design and production, fully comply with international standard DMX 512 protocol.Can be single control , also can use integrated with each other. It is suitable for large-scale theatrical performances, theaters , studio and disco and other places.

After receiving the product, please be careful to take and put., Check if the product have been damaged during the transportation, and check the following parts:

The body-----------------------------------1pcs   Safe rope-------------------------1pcs

Power cable --------------------------------1pcs   hook-----------------------------2pcs

User manual ------------------------------ -1psc   signal cable----------------------1pcs

2、**Attentions**

1. To ensure the service life of the product, please keep it away from water and do not work in the environment which the temperature is above sixty degrees.

2. Don't put the product on the place easy to loose or easy vibration .

3. In order to avoid electric shock, this product must maintenance by professional person.

4. when using, the power supply voltage change should not be more than 10%, the voltage is too high, will shorten the life of the light bulb, the voltage is too low, then affects the light color.

5. When power off, the product need 20 minutes to sufficient cooling before use again.

6. To ensure the normal use, please read this user manual carefully.

3、Technical Parameter

1. Voltage：AC100V-240V

2. Frequency：50/60Hz

3. Rated power：350W/400W

4. Lamp：5R Philips/7R Osram

5. Bulb power：189W/230W

6. Strobe：1-13times/second

7. Color temperature：8000K

8. Horizontal scanning 540 degrees, Horizontal 16 bit, electronic error correction, vertical scanning 270 degrees, vertical 16 bit, electronic error correction.

9. Gobo：17 gobo add white and stream effect,gobo electric focus function

10. Color：14 color add white and rainbow effect

11. Effect：Can transfer from beam into atomization effect

12. Panel Control：Touch screen control and Manual control

13. Signal Control：DMX512 international standard signal

14. Safety protection: when the machine is overheating or the system malfunctioning it will automatically cut off power supply.

4、Installation

1. Before install, please make sure the power supply is the same as the product identified.

2. The cable connecting to the main power supply must meet the requirements, should not overload.

3. The installation must be done by professional person, fixed the light safely and reliable, and transferred to appropriate irradiation angle.

4. Please ensure that the draft fan and exhaust channel is not blocked

5. At the bottom of the moving head light with insurance line connection hole, based on safety reasons, please use the insurance rope which can withstand ten times the weight of the Moving head through the insurance line connection hole for auxiliary lifting.

6. When install this equipment , please ensure that at least 1.5 meters range no extreme inflammable and explosive items(ornaments, etc.) ensure the moving head light and the wall interval twenty centimeters of above.

7. This product can be fixed hanging installation and put on the floor to use.

8. Based on the safety, please make sure the earth wire grounded.

9.The Pan and Tilt of this product was locked when packing, please ensure it was unlocked before the power on.

5、 Installation and change of the Lamp

1. In order to prolong the life of the moving head light as far as possible, please choose the same type of lamp for it.

2. First of all to unscrew the four screws on the back cover of the moving head light, then open the back cover, pinch the ceramic holder of the bulb and anti-clockwise rotation 90°，take out the lamp.

3. Open the bulb packing carefully, take out the new lamp, pinch lamp ceramic holder , insert the lamp holder and 90°clockwise rotation

6、 The connecting of the signal cable

Connected the XLR control cable from the DMX controller's outlet to the first moving head light's input port , and connected from the first light's DMX outlet to the second light's DMX input port, repeating the process, until all the lights are of connection. Then connected the accompanied circuit plug to the last light's signal output port, the connection finished, as shown in figure:
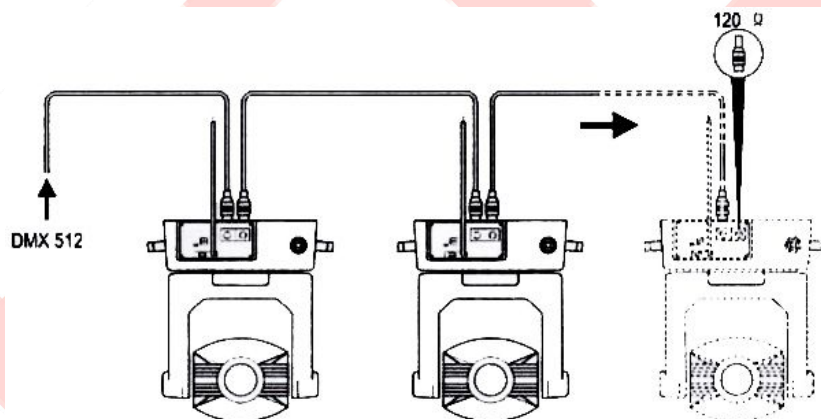

Note: please remember to connect a circuit plug to the last moving head light's signal output port. Between the second and third pole of the CANON plug of this circuit plug have a 120Ω resistance, connect this circuit plug can avoid signal reflection phenomenon during the DMX512 signal transmission process .
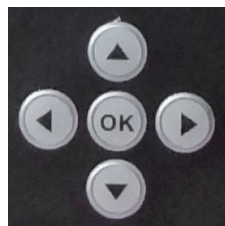
This Moving head use 3 pin XLR plug, If your controller use 5 pin XLR plug, you must use a 5 pin to 3 pin patch cord. See below:
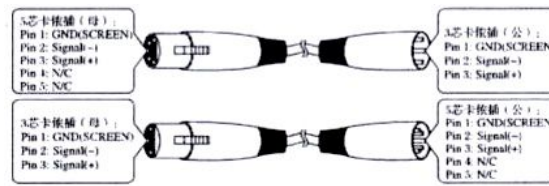
三芯卡侬插（Canon）DMX512接口线路
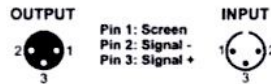
7、Button Instruction

The "LEFT", "RIGHT" button have the same function:

Return to the last interface

"UP", "DOWN" button:

Select, Edit

"ENTER" button (the "OK"button):

8、**Executive function and start editing, exit editor**

Below take "modify DMX address code"as an example, tell the use of the button:

1. If the current is not the main interface, press the "LEFT"button(one or multiple) can come back to the main interface.

2. In the main interface, press"UP"button of "DOWN"button and select the "set"button

3. Press "ENTER"button , come to the "setting"interface

4. In the "set"interface, press "UP"or"DOWN" button and select "DMX ADD"

5. Press "ENTER" button come to the editing state

6. Press "UP"or "DOWN" button to modify the DMX address code.

7. Press "ENTER"button quit the editing stage.

If use touch scree, the process is more convenient:

1. In the main interface touch the "set" button, come to the "setting"interface

2. The same to the up 4~7 step(can use both physical button and touch button), no more words.

9、 Interface introduction

9.1. Main interface

The 3 buttons at top right corner are for language switching and screen rotation.
The function of the 4 buttons on the bottom row please see the following info.

9.2. Interface Settings

Options		Illustration
Running Mode	DMX	Slave State：Receiving DMX signal from controller or Master.
	Auto	Master State：Auto run，and sending DMX signal to Slave. Notice ： If the bulb off,the light will not be on automatically; if you need to observe the lighting effects,please turn on the bulb light firstly,then enter the automatic state.
DMX Address	1-512	Press "OK"button to enter edit state.at the same time,choose the hundreds place,change address code according to the"UP"and"DOWN"Button. Click"OK"again to select tens to edit,and then click"OK"again to select Units to edit.Click again to exit.
Channel Model	16	The 17th to 20th channel is invalid
	20	The 17th to 20th channel control function (see channel table)
Pan reversal	off	

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	on	
Tilt reversal	off	
	on	
Pan and Tilt exchange	off	
	on	Exchange XY channels(including fine turning)
Pan and Tilt encoder	On	Use encoder (light coupling) to judge the wrong step and correct it automatically.
	off	Not use encoder(light coupling) to correct position
Without DMX Signal	retain	Keep the original state to continue running
	clear	Motor return, and stop running
Screen saver	on	30 seconds later, it will close the backlight
	off	Backlight on forever
Boot light bubble	off	reset directly after Power on ,if not,need to use the menu or control table to turn it on manually.
	on	Light on automatic after power on,and can not reset until the light bulb on successfully
Restore default settings		Click "OK"button to see the confirmation dialog box,then click "OK"button again to restore default settings.

9. 3. **Information interface**

options	illustration
Software version	The current software version
Total used time	Accumulative total used time(accurate to minutes)
This time of use	Since the boot the use of time(accurate to minutes)
DMX channel value	Enter into the sub interface,the numerical and percentage displayed channel value for reference.
System error record	If the red light"ERR"shine,it indicates the operational error of lamps and lanterns,the details please check in the sub interface. After the check,you can click "OK"button to empty the error record.

9. 4. **Manual control interface**

options		Illustration
reset		Click"OK"button to see confirmation dialog box,click"OK"again, then enter reset interface,then after all motor reset.
Color wheel	0-255	Press "OK"button to enter edit state.at the same time,choose

○ ○ ○ ○ ○ ○	0-255	the hundreds to change channel value according to the "UP"and "DOWN"button.Click"OK"again to select tens to edit,and then click"OK"again to select Units to edit.Click again to exit.
Gobo wheel speed	0-255	
Lamp control	on	
	off	

10、Channels

channel	Channel mode	
	16	20
1	Color wheel	Color wheel
2	Blackout / Strobe	Blackout / Strobe
3	Dimmer	Dimmer
4	Gobo wheel	Gobo wheel
5	Prism	Prism
6	Prism rotation	Prism rotation
7	Macro	Macro
8	Frost	Frost
9	Focus	Focus
10	Pan	Pan
11	Pan fine	Pan fine
12	Tilt	Tilt
13	Tilt fine	Tilt fine
14	Pan and Tilt speed	Pan and Tilt speed
15	Reset	Reset
16	Lamp control	Lamp control
17		Blank
18		Color wheel speed
19		Dimming, Prism and Atomization speed
20		Gobo wheel speed

11、Problems and Solutions:

problem	solution
No power supply	Check the power supply voltage
Power on,but the moving head light do not accept the control command	Check the set of digital address code and the connectivity of the control signal
The projected image has halo	Check the electronic focusing channel value to see whether it is right for the current distance of projection
The Beam light not bright enough	May be the end-of-life of the bulb, change a new one, and check whether the optical component is clean.

Note: the other maintenance work shall be conducted by qualified professional personage.

12、Maintenance

1. Keep dry, and avoid working in damp conditions.

2. Intermittent use can effectively prolong the service life of the lamps.

3. In order to obtain the good ventilation effect and lighting effects,you'd better to clean the

fan, fan nets and lens often.

4.Do not use organic solvent such as alcohol..to wipe the lamps shell,it may cause some

damage.

13、Statement

This product was in good performance condition and completely packed before delivery. All users should strictly abide by the above statement warnings and instructions. Any damage caused by misuse is not within the company warranty, and the company will not be responsible for the cause of damage because of the operator's ignorance of this user manual.