

230W 7R beam moving head light



user's manual

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



PRISM



PROST



POCUS



STROBE



CE



RoHS

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open box to check

First of all, thank you for choosing our company's products. Please read this instruction manual carefully and completely, and keep it properly for reference when using it. This manual contains important information on the installation and use of moving head lights.

The lamp is made of a new type of high-strength and temperature-resistant engineering plastic shell, which is beautiful and smooth in appearance and fully reflects modernity. This product can be controlled by a single unit or can be used in combination. It is suitable for large-scale theatrical performances, theaters, studios and other places. use.

signal line	power cable	manual
1 strip	1 strip	1 Book

1.Package

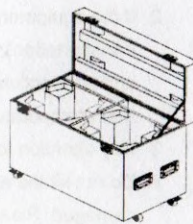
a)unpack

- i. Open the flight case (As shown)
- ii. Lift the device out of the bottom

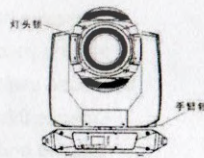
b) Open the horizontal and vertical transport locks before operation

Packaging Equipment

- i. Disconnect the power, make it cool
- ii. Lock the head and arms (As shown)
- iii. put it in the box, Close the airbox cover



航空箱



水平 / 垂直运输锁

一、 safety instructions

All personnel involved in the installation and maintenance of this equipment must:

1. Technician qualification with relevant technology
2. Follow the requirements of this manual
3. Make sure that the power cord is not broken or cut or damaged by sharp objects, and check the equipment and power cord regularly.
4. The protection level of this equipment is Class I, so please connect the yellow/green cable to the grounding line, and the maintenance and service must be carried out by specialized technicians.
5. Do not connect the device to a dimming device.
6. Notice! Watch out for your eyes! Avoid looking directly at light sources (especially in epilepsy patients)!
7. The manufacturer will not be responsible for any accident and loss caused by the normal operation and use of this manual and unauthorized modification of the equipment.
8. Please note: Responsible for any accident and loss caused by any random modification of the manual for normal operation and unauthorized modification of the equipment.
9. Do not connect the power supply with other wires! Special attention should be paid to the power supply voltage consistent with the marked voltage of the host! Make sure the effective voltage does not exceed the marked voltage.

Notice!

Waterproof, moisture-proof, disconnect the main power before opening the case! Handle with care. High voltage danger, be careful of electric shock!

This equipment is in good condition when leaving the factory. To ensure normal and safe operation under these conditions, the user must comply with the following safety regulations and precautions in this manual.

二、 Instructions

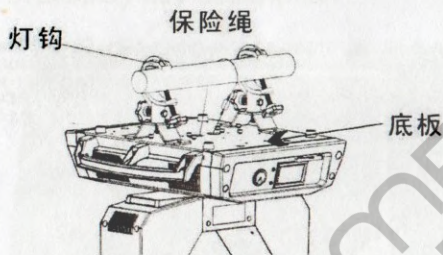
1. This device is a moving head beam light used to create decorative beam effects.
2. If the equipment has undergone a large temperature difference (for example, after transportation), do not turn on the equipment immediately, because thermal expansion and contraction will damage the equipment. Please wait until the device reaches normal room temperature before turning on the device.
3. Pay attention to shock resistance. Avoid strong collisions during equipment installation.
4. Do not lift the entire device by the light head, as the mechanics of the device may be damaged. Please use transport equipment.
5. When choosing an installation location, make sure the device is not exposed to excessive heat, humidity or dust. Do not place any wires on the ground or you risk injuring yourself or others.
6. Please use the safety rope to secure the light and lock the safety rope in the normal hole.
7. Operate this device only after making sure that it has been checked that the luminaire is secured and that all screws are tightened. *Operate this light only after you are familiar with the function of this device. Operation of this equipment by non-technical personnel is prohibited, as many damages are often caused by non-professional operation.
8. If the device is to be transported, please use the original packaging.
9. Unauthorized changes to the device are prohibited for security reasons.
10. Any equipment failure caused by the operation and use of this equipment not as specified in the instructions is not covered by the warranty. And any short circuit, electric shock and accident caused by this are not covered by the warranty.

This lamp uses a discharge bulb. Based on the characteristics of the discharge bulb, please turn off the lamp for 15 minutes and restart it after the lamp has cooled down sufficiently. Frequent switching reduces the life of lamps and bulbs

三、 Install

1. When installing the equipment, be sure to keep away from flammable objects (decorative materials, etc.) and keep a distance of at least 1 meter.
2. Fix it on the base of the lamp with 2 quick locks, and then hang it on the place where the lamp is installed, it can be installed in four directions.
3. The place where the lamp is installed must bear more than ten times the weight of the lamp itself, and test whether the hanging place is deformed within one hour.
4. When the lamp is hung in the air, a safety rope is usually installed, but it must be able to withstand more than ten times the weight of the lamp, and you must use a safety rope with a safety buckle. The safety rope is passed through the hole at the bottom of the lamp, and then goes around the lamp stand or other fixtures. Finally, insert the end of the safety rope into the safety buckle and tighten the screw.

As shown:

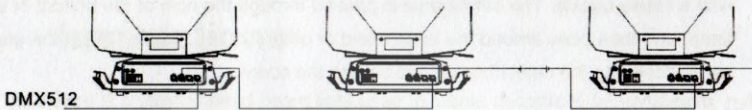


1. power connection

Use the plug of the power cord to connect the luminaire to the mains power supply and verify the power of the power supply equipment before connecting it! Ground wire must be grounded

DMX - 5 1 2 connection/and connection between lamps

Connect the XL R - XL R control wire from the DMX output of the control port to the DMX input of the first fixture, and from the DMX output of the first fixture to the DMX input of the second fixture, and so on until After all the lamps are connected, then plug and connect the included loop to the signal output port of the last lamp to complete the connection.



Notice:

The DMX signal wire on the last lamp must be connected to a return plug. Plug in the signal (-) and signal (+) pins of the three-core XLR and connect a 1 2 0 ohm resistor, and then plug it in (the DMX signal output port of the last lamp. If you use It is a standard console, you can connect the DMX output of the console directly to the DMX input of the first light through the DMX signal cable. If you want to connect the DMX console to other XLR outputs, you need to use a conversion line.

DMX output
3-Pin XLR Socket



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

DMX iutput
3-Pin XLR Socket



DMX output
5-Pin XLR Socket

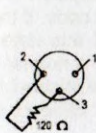


- 1: Ground
- 2: Signal (-)
- 3: Signal (+)
- 4: N. A.
- 5: N. A.

DMX iutput
5-Pin XLR Socket



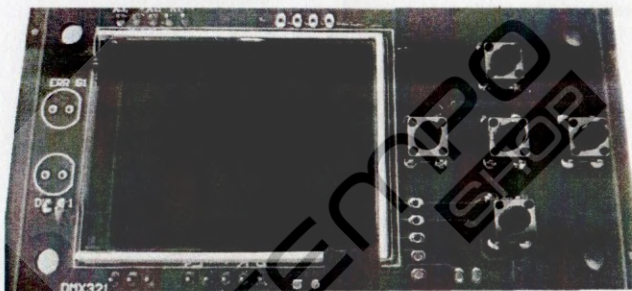
DMX loop plug



In the "controller mode", the DMX output port of the last fixture must be connected to the DMX loop plug. This loop is inserted between the 2-pin and 3-pin of the "Canon (XLR)" plug, and a resistor of about $120\ \Omega$ ($120\ \text{OH M}$) is connected (as shown on the left). Plug this loop into the output port of the last lamp, which can effectively avoid the noise and reflection of the DMX 5 1 2 signal during the transmission process.

四、Lamp function operation

1. Display key description



The functions of the "left" and "right" keys are the same: return to the previous interface
"Up", "Down" keys: select, edit
"OK" key (ie "OK" key): execute functions, start editing, and exit editing

2. Lamp function settings

The address code and function code can be set simply and conveniently by using the light touch control switch and LCD display. To view or modify the function settings of the fixture, press the ENT E R key, and the LCD screen will display the function menu of the fixture. There are corresponding sub-menus in the function operation main menu, each menu represents the specific function of the lamp, the specific content is shown in the following table display menu.

To set or view fixture functions, press the MOD E or ENT E R key.

Press the ENT E R key to save your changes or enter the submenu, and operate the knob to select menu items and modify values. Press the MOD E key to return to the previous menu. If no key is pressed within 60 seconds, it will automatically exit the menu operation interface.

3. power-on operation

Turn on the power supply, turn on the power switch of the lamp, and the lamp starts to reset and self-check. After the reset self-test is completed, the display screen will display the following information, indicating the corresponding state of the lamp. The display window is set to display the DMX address status "0 0 1" to indicate the DMX address code. If the display does not flicker, it means that the DMX signal connection is normal, this state can be used to check whether the connection between the fixture and the console is normal. The display window is set to display the DMX value status of each channel. The channel name is displayed at the bottom of the screen. The middle position shows the DMX value for that channel.

The lamp can be set to host voice control operation/host running built-in program/single machine voice control/single machine running built-in program. When set to host computer, it cannot be connected to the console, otherwise there will be signal interference.

During the reset process, if the lamp has a channel fault, the LCD will display "PAN, TILT, COLOR,

GOBO1, CYAN, MAGENTA, YELLOW, CTO, ZOOM, PRISM, PRISMRAN."letter

The corresponding information indicates that the horizontal, vertical, color wheel, rotary gobo wheel, cyan, magenta, yellow, color temperature, magnification, prism, and prism rotation are faulty. After the fault information occurs, the lamp will self-check and reset once again to confirm the fault channel. , and then the fixture enters the normal control state, but the faulty channel will not be controlled.

4. show menu

Set interface

DMX address setting	1-512	Press the "OK" key to enter the editing state, the initial address code is 001, press the "Up" and "Down" keys to change the address code. Press the OK key again to exit the editing state.
display setting	Show backwards	Press the "OK" key to enter the editing state, and press the "Up" and "Down" keys to set it to normal, flip it. Press OK again to exit the editing state.
	language settings	Press the "OK" key to enter the editing state. Press the "Up" and "Down" keys to set Chinese and English. Press OK again to exit the editing state.
	Brightness setting	Press the "OK" key to enter the editing state, and press the "Up" and "Down" keys to change the display brightness 001-007. Press OK again to exit the editing state.
	Backlight Delay	Press the "OK" key to enter the editing state, and press the "Up" and "Down" keys to change the delay time. Press OK again to exit the editing state.
	menu back	Press the "OK" key to enter the editing state. Press the "Up" and "Down" keys to set the menu return time. Press OK again to exit the editing state.
	Backlight flickering	Press the "OK" key to enter the editing state. Press the "Up" and "Down" keys to set it on and off. Press OK again to exit the editing state.

Feature Settings	X Y settings	Press the "OK" key to enter the editing state, press the "Up" and "Down" keys to set the X Y direction, speed, angle, and optocoupler detection. Press the OK key again to exit the editing state.
	shortest path	Press the "OK" key to enter the editing state. Press the "Up" and "Down" keys to set the color wheel to open, close the color wheel, and the pattern wheel shortcut mode. Press OK again to exit the editing state.
	full color	Press the "OK" key to enter the editing state. Press the "Up" and "Down" keys to set it on and off. Press OK again to exit the editing state.
	channel mode	Press the "OK" key to enter the editing state. Press the "Up" and "Down" keys to set the simplified, standard, extended, and defined settings. Then press the OK key to exit the editing state.
	receive mode	Press the "OK" key to enter the editing state. Press the "Up" and "Down" keys to set DMX, wireless, and automatic. Press the OK key again to exit the editing state.
	operating mode	Press the "OK" key to enter the editing state. Press the "Up" and "Down" keys to set the slave, voice control, and automatic. Press the OK key again to exit the editing state.
	signal clear	Press the "OK" key to enter the editing state. Press the "Up" and "Down" keys to set it on and off. Press OK again to exit the editing state.
	signal reset	Press the "OK" key to enter the editing state. Press the "Up" and "Down" keys to set it on and off. Press OK again to exit the editing state.
bulb settings	light bulb default	Press the "OK" key to enter the editing state, and press the "Up" and "Down" keys to set the light bulb to open and close the default state. Press OK again to exit the editing state.
	Manual control	Press the "OK" key to enter the editing state. Press the "Up" and "Down" keys to set the light bulb on and off. Press OK again to exit the editing state.
	Electronic lighting	Press the "OK" key to enter the editing state, and press the "Up" and "Down" keys to set it on, and turn off the console signal lighting. Press OK again to exit the editing state.
Information query	Power-on time	Display power-on time
	Power-on times	Display power-on times
	Fan 1	Display fan 1 speed
	Fan 2	Display fan 2 speed
	Software version	current software version
	Time left	Remaining time Effective when locked
remaining times	Remaining times Take effect when locked	
channel control	Channels 1-16	When using an analog console
Auxiliary settings	Zero adjustment	When the check code 01 is set to 1, the zero parameter can be adjusted
	channel definition	reserved
	Factory setting	The verification code 01 02 03 04 05 takes effect when the

		corresponding setting is 1.2.3.4.5.
	check code	Enter the zero position adjustment, the corresponding calibration code must be input during factory setting
channel level	Channels 1-16	Display the current level of the channel
Channel reset		Press the "OK" key to enter the editing state, press the "Up" and "Down" keys to set and execute, and then press the OK key to reset all the motors of the lamp.

五、 DMX channel

aisle	Features	DMX value	Features
1	X level motor	0-255	0-540°
2	Y vertical motor	0-255	0-270°
3	X-level motor fine-tuning	0~255	0-2.1°
4	Y vertical motor fine-tuning	0-255	0-1.0°
5	XY motor speed	0-255	fast - slow
6	Strobe	0-2 3-50 51-240 241-- 255	closure Open Strobe slow -- fast Open
7	Dimming	0-255	dark and bright
8	color	0-8 8-15 16-23 24-31 32-39 40-47 48-55 56-63 64-71 72-79 80-87 88-95 96-103 104-111 112-127 128-191 192-255	white light color 1 color 2 color 3 color 4 color 5 color 6 color 7 color 8 color 9 color 10 color 11 color 12 color 13 color 14 Rainbow effect is turning fast-- slow Rainbow effect reverse slow -- fast
9	color effect	0~255	Color wheel half color adjustment

10	pattern		white light
			Pattern 1
		0-6	pattern 2
		7-13	pattern 3
		14-20	pattern 4
		21-27	Pattern 5
		28-34	pattern 6
		35-41	Pattern 7
		42-48	pattern 8
		49-55	pattern 9
		56-62	Pattern 10
		63-69	Pattern 11
		70-76	Pattern 12
		77-83	Pattern 13
		84-90	Pattern 14
		91-97	Pattern 15
		98-104	Pattern 16
105-111	Pattern 17		
112-118	Rainbow effect is turning slow -- fast		
119-127	Rainbow effect reverse slow -- fast		
128-191			
192-255			
11	pattern jitter	0	invalid
		1-128	slow to fast
		129-255	invalid
12	colorful	0~255	None - colorful effect
13	focusing	0~255	far and near
14	Prism	0-127	none
		128-255	Insert Prism
15	Prism rotation	0-127	angle
		128-191	Forward fast - slow
		192-255	Reverse slow-fast
16	reset		No function
		0-99	quench
		100-105	bubble
		200-205	reset
		206-255	Reset after 5 seconds

六、 Maintenance and cleaning

1. This moving head light must be kept basically clean and dusty. The stolen goods and tobacco and alcohol residues cannot stay in the chassis and inside the chassis.

Otherwise, the output of the moving head light will be greatly reduced. Regular cleaning not only ensures the maximum output of the lamp but also the life of the lamp itself. It is recommended to use a soft cloth to clean with a fine glass cleaner, alcohol or solvents are not possible under any circumstances.

2. Because the front lens is easily stained by tobacco and alcohol residues, it is very easy to reduce the light output, so keep the lens clean.
3. There are no serviceable parts inside the device, with the exception of the fuse.
4. For maintenance and repair operations, please contact the manufacturer or dealer.
5. The replacement of the fuse, if the fuse is blown, only need to replace the fuse of the same type and the same level.
6. Disconnect the power supply before replacing the fuse.
7. DANGER: Disconnect the power supply before starting any maintenance or repair work.

七、 technical parameter

Voltage: AC100-240V 50-60Hz

Light source: 230w Color temperature: 8500K Lifetime: 8000H

Beam angle: 0-5 degrees

Dimming: 0-100% linear dimming

Strobe: 1-13/S

Focus: HD linear adjustment

Atomization: The light spot is soft and natural

Prism: 8 prism + 16 prism + 24 prism

Color wheel: a color wheel, each color wheel consists of 13 color chips + white light;

Gobo: One fixed gobo with 17 gobos and 4 wave patterns + white light

Control mode: DMX512/master-slave/self-propelled/voice control

Channels: 16 channels

Display: LCD display

Level: 540, resolution 8Bit/16Bit

Vertical: 270, resolution 8Bit/16Bit

Protection class: IP20

Size: 440*410*540(MM)

Net weight: 18.5kg