

USER'S MANUAL

200W SPOT LED Moving Head



1-Maintenance

- 1.Please keep the light in dryness and avoiding use in wet place.**
- 2.Using intermittently can be extended the life.**
- 3.Attention to clean the fan and lens usually in order to get the ventilating effects and lighting effects better.**
- 4.Please do not wipe the crust using organic menstruum for avoid to damaged the product.**

2-Statement

The product has well capability and intact packing when leave factory,All of the user should comply with above warning item and manual ,any misuse cause of the damages are not included in our guarantee,and also can't be responsible for any malfunction & problem owing to ignore the manual.

Please forgive that we will not be notice for technical change

3-Attention Item

- 1.For guarantee the life of product,please do not put it on the wet place and not use it the place over 40 degree.**
- 2.Please don't lay the product on the un-fixable or shakable place.**
- 3.Ask for the professional to maintain the product in order to avoid the danger of get an electric**

shock.

4. Power supply should not be changed over $\pm 10\%$ while the light is using, it will be decreased the life of lamp if the power is too high, but it will be influenced the luminosity if the power is too low.

5. After power off, if it is need used again, please cool down over 20 minuter.

6. Please look round the manual for ensure the product can be used normally.

4-Technical parameters:

- Input power: AC100-240V 50/60 Hz
- Power consumption :240W
- LED: 200W high power LED
- DMX channel: 6/18 channels
- Pan scan: 540° (16bit) Electric correction
- Tilt scan: 210° (16bit) Electric correction
- Color wheel: one color wheel, 7 kinds of color chips in one color wheel
- Static Gobo: 8 gobos
- Rotation Gobo: 6 gobos
- Effect Wheel: one Effect prism
- Lens optical system achanical focus .beam Zoom angle $8^\circ/15^\circ$
- Control mode: DMX512/Master-Slave/Auto run
- Display: LCD display
- N.W: 11 KG
- G.W: 13 KG
- Product size: 44*30*18.5cm
- Packing size: 47.5*35.5*38cm

5-Product Introduction

1. International standard control signal: DMX512

2. Number of channels: 16CH

3. LCD 650000 color touch TFT interface, easy to operate, beautiful interface, 180 degree reverse display.

4. Horizontal rotation of X axis 540° , vertical rotation of Y axis 270° , with automatic correction and positioning.

5. X-axis and y-axis operation are adjustable and micro adjustable. The software has the function of correction and positioning, with high accuracy!

6. Dimming: 0-100% linear adjustment

7. Stroboscopic: stroboscopic speed (1-30 times / second), complete linear dimming and variable stroboscopic speed

8.Focusing: with optical combination, the effect is far better than that of ordinary dye lamp, which can project high-definition effect

9.10. Overheat intelligent protection intelligent dimming control (perpetual lamp source life)

6-Connection of DMX512 signal:

DMX512 signal control mode is used for this luminaire. The control signals of each luminaire are connected in parallel. When connecting multiple luminaire signals, it is better to use double core shielded cable. When connecting, each luminaire is connected through input and output of DMX signal Jack (XLR base) on the luminaire. The 3-core xlrxl plug terminals of the signal wires connecting the luminaire must correspond to each other. When connecting the luminaire signals It is suggested to use DMX signal terminator to avoid damaging control signal due to electric noise. DMX signal terminator is a 120 ohm 1W resistor connected between two and three pins of an XLR plug and connected to the output jack of the last lamp

7-Installation instructions of lamps:

The lamp can be placed horizontally, inclined and upside down. Pay attention to the installation method when inclined and upside down

1. Fixed installation of lamps: before positioning the lamps, ensure the stability of the installation site. When reversing the hanging installation, ensure that the lamps do not fall down on the support bracket. Use safety rope to pass through the support bracket and lamp handle for auxiliary hanging to ensure safety. Prevent the lamps from falling and sliding. During the installation and commissioning, pedestrians are not allowed to pass under the lamps. Regularly check whether the safety rope appears The manufacturer shall not bear any responsibility for all consequences caused by falling of lamps due to unstable installation of hanging

8-Safety tips!

To ensure your safe and correct use of the lamp, please read the following safety tips carefully before use, so as to avoid unnecessary faults and injuries

1. Non professional personnel shall not dismantle lamps and fittings in lamps without authorization

2. AC power supply: check whether the local power supply meets the rated voltage requirements of the product.

3. The luminaire is designed according to the type of electric shock protection. The luminaire shall be connected with the fully grounded power supply system, and the ground wire of the luminaire must be connected with the ground wire of the power supply system. Do not use the power wire with damaged insulation layer, and do not lap the power wire on other wires

4. When the luminaire is installed and positioned, the minimum distance between any point on the surface of the luminaire and any inflammable and explosive substance is 10 meters, and the distance from the irradiating substance is 2.5 meters. Please do not install the luminaire directly

on the surface of inflammable substance.

5. Ambient temperature of the lamp: (- 10 ° C + 40 ° C), the maximum temperature of the lamp surface is 80 ° C, and the lamp shall be far away from liquid substances and humid environment

6. Before using the lamp, make sure that the lamp is well grounded, and do not install or remove any parts of the lamp with electricity

7. When installing the lamp, the fixing screw must be fastened, safety cable shall be added, and regular inspection shall be carried out

8. It is recommended that the continuous working time of the lamp shall not exceed 10 hours, and the interval between continuous start of the lamp shall not be less than 10 minutes. Otherwise, the lamp will not trigger normally due to overheating protection of the bulb

9. In case of any abnormality during use, the lamp shall be stopped in time

10. When the bulb reaches the rated service life, it shall be replaced in time, otherwise it may cause a dangerous accident of bursting

11. The rotating parts and pasted accessories of the lamp must be inspected regularly, and the loose and shaking parts shall be reinforced in time to prevent accidents

12. The lamp is cooled by strong wind, which is easy to accumulate dust. It must be cleaned once a month, especially the air outlet for heat dissipation. Otherwise, it will be blocked due to dust accumulation, resulting in poor heat dissipation and abnormal lamp

9-Maintenance and guarantee:

Shut down operation: turn off the lamp source before power failure before shutdown. Let the heat dissipating fan discharge the heat generated in the lamp when used, so that the perpetual lamp fittings, especially the lamp source, can be extended. To ensure that lamps can be operated steadily, they should be kept clean, disassembled and repaired or started to maintain. Before the power is cut off, it is very important to keep the lamps clean and clean. You must clean regularly, not only keep the maximum brightness output, but also perpetual lamp life. It is suggested to use high quality glass cleaning agent and clean soft. Clean the interior of the lamp with a vacuum cleaner at least half a year

10- Set Up

menu (Color Display 2.4'TFT)				
DMX Address	001~512			
Operating Mode	DMX 6 Ch			
	DMX 18 Ch			
	Auto	Perform Mode 1		
		Perform Mode 2		
Perform Mode 3				

		Perform Mode 4		
		Perform Mode 5		
		Perform Mode 6		
		Perform Mode 7		
		Perform Mode 8		
	Sound			
	Master Auto	Perform Mode 1		
		Perform Mode 2		
		Perform Mode 3		
		Perform Mode 4		
		Perform Mode 5		
		Perform Mode 6		
		Perform Mode 7		
	Perform Mode 8			
Master Sound				
Slave				
Language Setting	简体中文			
	English			
Advanced Setting	Pan Reverse			
	Tilt Reverse			
	Display Reverse			
	Mic Sensitive	= 000		
	Reset Motor			
	Factory Reset			
	Home Position	Password	Code	=018
		PAN	.	=000
		TILT	.	=000
		Dimmer	.	=255
		Color	.	=000
		fixed Gobo	.	=000
		Rotation Gobo	.	=000
		Focus	.	=000
	Zoom	.	=000	
	Pan/Tilt Speed	.	=000	
System Info	Current Time			

	Total Time		
	Current Mode		
	Temperature		
	Software Version		
Manual Control	PAN	. =000	
	PAN-FINE	. =000	
	TILT	. =000	
	TILT-FINE	. =000	
	Pan/Tilt Speed	. =000	
	Dimmer	. =000	
	Strobe	. =000	
	Color	. =000	
	fixed Gobo	. =000	
	Rotation Gobo	. =000	
	Rotation Gobo Wheel	. =000	
	Focus	. =000	
	Prism	. =000	
	Prism Whell	. =000	
Zoom	. =000		

11-Function Mode

11.1 DMX address setting

With this function, you can adjust the desired DMX-address via the Control Board.

Select via the encoder.

Press the encoder, adjust the DMX address by turning the encoder.

Press the encoder to confirm.

Press the Mode/Esc-button in order return to the main menu.

Set DMX address

Display the DMX 512 value of each channel

With this function you can display the DMX 512 value of each channel. The display automatically shows the channel with a value changing.

11.2 Run Mode

The LED moving head have 6CH and 17CH, can receive the International DMX signal.

In the [Run] mode, you can chose [Master] mode [Sound Control]

[Master Auto Run] [Master Sound Control] and [Slave] mode.

11.3 Language Setting

With this function, you can choose the Language between English and Chinese.

11.4 Advanced Set up

Pan Reverse :With this function you can reverse the Pan-movement.

Tilt Reverse:With this function you can reverse the Tilt 1-movement.

Display Reverse:With this function you can reverse the Tilt 2-movement.

Reset: With this function, you can reset the device via the Control Board.You can select the different reset function by turning the encoder.

Factory Reset:With this function, you can select restore factory set for ON or OFF, the default is OFF.

11.5 System State

With this function, you can know the On Time ,Accumulative Time,

Current Run Mode ,Temperature and Software Version.

11.6 Manual Control

With this function ,you can adjust the pan and tilt and the move speed, also adjust the dimmer ,strobe and color.

DMX CHANNELS

6 DMX Channel Summary		
Channel	DMX Value	Function
CH1	000-255	X
CH2	000-255	Y
CH3	000-255	Dimmer (0-100%)
CH4	000-004	Shutter closed
	005-250	Strobe effect slow to fast
	251-255	Shutter open
CH5	000-007	Empty
	008-047	Auto Play 1
	048-087	Auto Play 2
	088-127	Auto Play 3
	128-167	Auto Play 4
	168-207	Auto Play 5
	208-247	Auto Play 6
	248-255	Color Gobo Sound Control
CH6	000-007	Empty
	008-032	X/Y auto run 1
	033-058	X/Y auto run 2
	059-084	X/Y auto run 3
	085-110	X/Y auto run 4

	111-136	X/Y auto run 5
	137-162	X/Y auto run 6
	163-188	X/Y auto run 7
	189-214	X/Y auto run 8
	215-240	X/Y auto run 9
	241-255	X/Y Sound Control

18 DMX Channel Summary

Channel	DMX Value	Function
CH1	000 - 255	X
CH2	000-255	X-Fine
CH3	000 - 255	Y
CH4	000-255	Y-Fine
CH5	000 - 255	XY SPEED
CH6	000-255	Dimmer (0-100%)
CH7	000-004	Shutter closed
	005-250	Strobe effect slow to fast
	251-255	Shutter open
CH8	000-004	Open (White)
	005-013	White/Color1
	014-022	Color1
	023-031	Color1/Color2
	032-040	Color2
	041-049	Color2/Color3
	050-058	Color3
	059-067	Color3/Color4
	068-076	Color4
	077-085	Color4/Color5
	086-094	Color5
	095-103	Color5/Color6
	104-112	Color6
	113-121	Color6/Color7
	122-130	Color7
	131-139	Open (White)
140-195	Forward rainbow effect from fast to slow	
196-199	Rotation stop	
200-255	Backward rainbow effect from slow to fast	
CH9	000-005	Open (White)
	006-014	Gobo1
	015-023	Gobo2

	024-032	Gobo3
	033-041	Gobo4
	042-050	Gobo5
	051-059	Gobo6
	060-068	Gobo7
	069-077	Gobo8
	078-084	Gobo1 Shake
	085-091	Gobo2 Shake
	092-098	Gobo3 Shake
	099-105	Gobo4 Shake
	106-112	Gobo5 Shake
	113-119	Gobo6 Shake
	120-126	Gobo7 Shake
	127-133	Gobo8 Shake
	134-194	Forward rainbow effect from fast to slow
	195-255	Backward rainbow effect from slow to fast
CH10	000-007	Open (White)
	008-019	Gobo1
	020-031	Gobo2
	032-043	Gobo3
	044-055	Gobo4
	056-067	Gobo5
	068-079	Gobo6
	080-088	Gobo1 Shake
	089-097	Gobo2 Shake
	098-106	Gobo3 Shake
	107-115	Gobo4 Shake
	116-124	Gobo5 Shake
	125-133	Gobo6 Shake
	134-194	Forward rainbow effect from fast to slow
	195-255	Backward rainbow effect from slow to fast
CH11	000-009	Stop
	010-129	Forward Gobo2 Rotation from fast to slow
	130-134	Stop
	135-255	Backward Gobo2 Rotation from slow to fast
CH12	000-255	Focus
CH13	000-015	Open (White)
	016-255	Prism
CH14	000-005	Stop
	006-129	Forward Prism Rotation from fast to slow
	130-134	Stop
	135-255	Backward Prism Rotation from slow to fast

CH15	000-127	Open
	128-255	Zoom
CH16	000-007	Empty
	008-047	Auto Play 1
	048-087	Auto Play 2
	088-127	Auto Play 3
	128-167	Auto Play 4
	168-207	Auto Play 5
	208-247	Auto Play 6
	248-255	Color Gobo Sound Control
CH17	000-007	Empty
	008-032	X/Y auto run 1
	033-058	X/Y auto run 2
	059-084	X/Y auto run 3
	085-110	X/Y auto run 4
	111-136	X/Y auto run 5
	137-162	X/Y auto run 6
	163-188	X/Y auto run 7
	189-214	X/Y auto run 8
	215-240	X/Y auto run 9
	241-255	X/Y Sound Control
CH18	250-255	RESET (10S)

SHEHDS