200W Beam Moving Head

（1pcs＊150W White LED）

User manual

Please read this user manual before using this product.

No	Name	Quantity	Unit
1	200W beam shaking head lamp	1	Platfo
2	hanging bracket	1	Pcs
3	Hexagon socket head screw	2	Pcs
4	Power cord	1	Pcs
5	Instructions	1	Basis
6	Lamp Hook	1	Optio
7	Safety Rope	1	nal
8	DMX Signal Line	1	Parts

★For the sake of safety and according to the terms, it is not allowed to reorganize or modify this product without permission. Please note that the product damage caused by improper human use is not covered by our warranty. Moreover, unprofessional operation may lead to short circuit, burn or electric shock, and so on.

★This equipment has undergone strict inspection before shipment. Please follow the operation requirements of the manual to ensure the safe operation of the product under normal conditions.

★Any damage caused by improper operation will lead to the termination of warranty claim. The manufacturer does not accept any responsibility for any property loss and personal injury caused by improper operation of products or failure to follow operation instructions.

★Please put the instruction manual in a safe place for future reference and pass it to the new holder after the product is sold, leased or moved.

★Note: Based on the continuous product improvement of our company, the data contained in this manual may change, and no further notice will be given at that time. The company reserves the right to change the relevant specifications in the product.

Product maintenance   **02**

Note: Please unplug the power cord before doing product maintenance!

It is very important to ensure that the power supply of the lamp is disconnected before disassembling the lamp or starting maintenance work. It is very important to keep the lamp clean and tidy. Keeping it clean often can not only keep the maximum brightness output of the lamp, but also prolong its service life. It is recommended to use high-quality professional glass cleaner and clean it with a soft rag. Under no circumstances are alcohol or chemical solvents allowed. The interior and fans of the lamp should be cleaned with a vacuum cleaner at least once a quarter.

03 Safety Instruction

CAUTION!

Keep this equipment away from rain, moisture and liquids.

1.After opening the package from withdrawing all accessories, box and lamps and lanterns, removed from a box placed on a horizontal table, facilitate the relevant operation, first check whether the item is complete, then Please check carefully the whole lamp has no damage. If there are any damage, please keep the original order to return the factory.

2.Power supply：Check whether the local power supply is accordance with the requirements of the product rated voltage.

3.The product is only suitable for indoor working environment. Lamps and lanterns should keep dry, avoid damp, overheat or dusty environment. To lanterns is in contact with the water and other liquids.

4.When the installation location and lamps and lanterns, please do not install the lamps and lanterns is directly to the ordinary combustible substance on the surface.

5.Qualified professionals can installation, operation and maintenance of lamps and lanterns;

6.When malfunction of lamps and lanterns, immediately stop using the lamps and lanterns. Don't try to repair, please contact the nearest authorized technical assistance center, if the parts damage, always use the same type of parts replaced.

7.Don't touch any electrical wiring in the process of operation may have a risk of electric shock.

8.To ensure the lamps and lanterns of normal and stable working environment

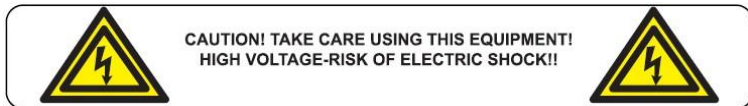temperature is highest do not exceed 40 ℃， Don't exceed the lowest - 20 ℃.

9.Under the condition of stable cooling work, lamps and lanterns of the shell of the highest temperature can reach 80 ℃, please do not touch.

10.The lamps and lanterns is according to the type of electric shock protection design. Lamps and lanterns to use and have good grounding power system connection and the ground wire must come in contact with the ground wire of power supply system of lamps and lanterns, lamps and lanterns of metal shell of the earth sign port to be connected to install fixtures are safe.

11.Do not use insulating layer for the power cord damage, at the same time, do not use the power cord overlap on the other wire. When not in use or to clean when lamps and lanterns, please take the power cord plug to the power cord, pull don't pulled the plug or drag and drop the power cord directly.

12.No user service of any components inside the lamp. Before starting operation of lamps and lanterns, please check whether all of the shell is installed, screw tightening up reliable or not. In the case of the shell open used lamps and lanterns is prohibited.

Note: before any installation, maintenance and clean lamps and lanterns, please confirm that has cut off the power cord!

CAUTION! TAKE CARE USING THIS EQUIPMENT!
HIGH VOLTAGE-RISK OF ELECTRIC SHOCK!!

04 Product Trait

Category	Parameter
Operating	AC100～240V，50/60HZ
Light Source	150W LED white light
Power	200W
Aiming	Linear dimming，brightness 0-100%
Stroboscopic	1-25Hz/S
Focus	Manual focusing
Prism	18prism，Can rotate360°degrees
Color	9pcs Color+white，Have a half-color effect
Gobo	13pcs+open
Channel	14 international standard DMX512 channels
Monitor	LCD liquid crystal display screen
Control Model	☑DMX ☑Master slave machine ☑Auto ☑Sound

05 Panel Function

Projec	No	Silk-Screen	Function
Button	1	DMX	Signal indicator lamp
	2	ERR	trouble lamp
	3	LCD DISPLAY	LCD DISPLAY
	4	MENU	Menu
	5	UP	Upper key
	6	DOWN	Lower key
	7	OK	Ok key
	8	ENTER	Enter the main page
	9	DMX IN	DMX in
	10	DMX OUT	DMX out
	11	ON/OFF	ON/OFF
	12	FUSE	Fuse
	13	POWER	Power Supply

06   DMX512 connect

This lamp uses DMX512 signal control mode, and the control signals of lamps belong to parallel connection. When connecting multiple lamp signals, it is best to use double-core shielded cable. When connecting, all lamps are connected through DMX signal jack (cannon seat) DMX IN (input) and DMX OUT (output) on the lamp, and the 3-core XLR plug terminals connecting the signal lines of lamps must correspond to each other. When connecting lamp signals, It is suggested to use DMX signal terminator. It can avoid the control signal from being damaged due to the noise of electricity. The DMX signal terminator is a 120Ω 1W resistor connected between the pin 2 and the pin 3 of an XLR plug, and connected to the DMX OUT (output) jack of the last lamp.

Calculation method of starting address code of lamps and lanterns: the starting address code of current lamps and lanterns is equal to (the starting address code of previous lamps and lanterns)+(the number of channels of lamps and lanterns).

1: The initial address code value A001 of the first lamp.

2. The number of basic channels of the controller should be greater than or equal to the total number of channels used by lamps.

3. Note: When using any controller, each lamp must have its own starting address code. If the starting address code of the first lamp is set to A001, the number of lamps is 14CH; Then the starting address code of the second lamp is set to A015; The starting address code of the third lamp is set to A029; And so on, (this setting mode also needs to be determined according to different consoles)

07   Main functions of display screen

Main page	Set	Parameter setting
	Manu	Manual setting
	Sys	State monitoring, display
	Adva	Advanced parameter configuration
	Eng	Switch between Chinese and English
	**℃	LED temperature display
	Nor	Forward/reverse display of display screen
	Rst	Device reset

Set	Run Mode	DMX,Auto，Random，Sound
	DMX Address	001-512
	Channel Mode	Std.14CH
	Sound Regulator	0-100
	Invert Pan	OFF，ON
	Invert Tilt	OFF，ON
	Pan-Tilt Swap	OFF，ON
	Pan-Tilt Encoder	ON,OFF
	No DMX Signal	CLEAR，KEEP
	Display Time	ON，10S,20S,40S,60S
	Brightness	20%，40%，60%，80%，100%
	Load Default	OK，Cancel
Manu	Color	000-255
	Shutter/Strobe	000-255
	Dimmer	000-255
	Gobo	000-255
	Prism,Rotate	000-255
	Rainbow	000-255
	Focus	000-255
	Pan	000-255
	Pan Fine	000-255
	Tilt	000-255

	Tilt Fine	000-255
	Pan-Tilt Speed	000-255
	Auto Run	000-255
	Reset	000-255
Sys	DMX Monitor	Color (000-255)
		Shutter/Strobe (000-255)
		Dimmer (000-255)
		Gobo (000-255)
		Prism,Rotate (000-255)
		Rainbow (000-255)
		Focus (000-255)
		Pan (000-255)
		Pan Fine (000-255)
		Tilt (000-255)
		Tilt Fine (000-255)
		Pan-Tilt Speed (000-255)
		Auto Run (000-255)
		Reset (000-255)
	System Errors	error logging
	LED Temp	Temperature display
	Device Fix Hours	Use time
	Partial LED hours	Lighting time
Adva	Please input password	Up Up Up Down Down Down
	Sensor Monitor	Pan Hall State
		Tilt Hall State
		Colour Hall State
		Gobo Hall State
		Focus Hall State
		Rainbow Hall State
		Pan Encoder State
		Pan Encoder Step
		Tilt Encoder State
		Tilt Encoder Step
	Reset Calibration	Pan Calibration 000-255
		Tilt Calibration 000-255
		Colour Calibration 000-255

		Gobo Calibration 000-255		
		Focus Calibration 000-255		
		Prism Calibration 000-255		
		Rainbow Calibration 000-255		
	Zero Point Correction	ON/OFF		
	LED Maximum Power	000-255（Maintain factory settings）		

08 Channel mode description

［DMX Schedule 1］14CH

Passage		Numerical			Function Declaration
1	colour	000	-	007	white light
		008	-	079	Colour 1-9
		080	-	151	Half-color effect 1-9
		152	-	207	The color wheel rotates forward, and the speed is from fast to slow
		208	-	255	The color wheel reverses, and the speed changes from slow to fast
2	strobe	000	-	009	Turn off strobe
		010	-	249	Strobe, speed from slow to fast
		250	-	255	Turn off strobe
3	LED master switch	000	-	255	LED Linear total dimming, Brightness 0-100%
4	Pattern disk	000	-	005	Circular pattern
		006	-	083	Pattern 1-13
		084	-	161	Pattern 13-1 shake, slow to fast
		162	-	207	The pattern rotates forward, and the speed is from fast to slow
		208	-	255	The pattern rotates in reverse, and the speed changes from slow to fast
5	prism	000	-	099	Prism pass
		100	-	127	Prism on (18 prism)
		128	-	255	The prism rotates 360, and the speed changes from slow to fast
6	various	000	-	126	Colorful closing

		127	-	255	Qicai kaikai
7	focus	000	-	255	Tone definition
8	X-axis	000	-	255	level position
9	X-axis fine	000	-	255	Fine adjustment and fretting
10	Y-axis	000	-	255	vertical position
11	Y-axis fine	000	-	255	Fine adjustment and fretting
12	X/Y speed	000	-	255	X/Y Moving speed, from fast to slow
13	Auto/Sound	000	-	009	Other channels have a role
		010	-	104	Fast Auto
		105	-	194	Low Speed Auto
		195	-	255	Sound
14	reset	000	-	249	No function
		250	-	255	Automatic reset after waiting for 5S

［DMX Schedule 2］Colour Disc

Passage		Numerical			Function Declaration
1	Color	000	-	007	white
		008	-	015	Color 1
		016	-	023	Color 2
		024	-	031	Color 3
		032	-	039	Color 4
		040	-	047	Color 5
		048	-	055	Color 6
		056	-	063	Color 7
		064	-	071	Color 8
		072	-	079	Color 9
		080	-	087	Half-color effect 1
		088	-	095	Half-color effect 2
		096	-	103	Half-color effect 3
		104	-	111	Half-color effect 4
		112	-	119	Half-color effect 5
		120	-	127	Half-color effect 6
		128	-	135	Half-color effect 7
		136	-	143	Half-color effect 8
		144	-	151	Half-color effect 9
		152	-	207	The color wheel rotates forward, and the speed is from fast to slow
		208	-	255	The color wheel reverses, and the speed changes from slow to fast

［**DMX Schedule 3**］ Detailed description of pattern disk

Passage		Numerical			Function Declaration
4	Pattern disk	000	-	005	Circular pattern
		006	-	011	Pattern 1
		012	-	017	Pattern 2
		018	-	023	Pattern 3
		024	-	029	Pattern 4
		030	-	035	Pattern 5
		036	-	041	Pattern 6
		042	-	047	Pattern 7
		048	-	053	Pattern 8
		054	-	059	Pattern 9
		060	-	065	Pattern 10
		066	-	071	Pattern 11
		072	-	077	Pattern 12
		078	-	083	Pattern 13
		084	-	089	Pattern 13 shake, slow to fast
		090	-	095	Pattern 12 shake, slow to fast
		096	-	101	Pattern 11 shake, slow to fast
		102	-	107	Pattern 10 shake, slow to fast
		108	-	113	Pattern 9 shake, slow to fast
		114	-	119	Pattern 8 shake, slow to fast
		120	-	125	Pattern 7 shake, slow to fast
		126	-	131	Pattern 6 shake, slow to fast
		132	-	137	Pattern 5 shake, slow to fast
		138	-	143	Pattern 4 shake, slow to fast
		144	-	149	Pattern 3 shake, slow to fast
		150	-	155	Pattern 2 shake, slow to fast
		156	-	161	Pattern 1 shake, slow to fast
		162	-	207	The pattern rotates forward, and the speed is from fast to slow
		208	-	255	The pattern rotates in reverse, and the speed changes from slow to fast

09 Product hanging and installation

This lamp can be placed horizontally, hung obliquely and upside down. Pay attention to the installation method when hanging obliquely and upside down. Fixed installation of the lamp: before positioning the lamp, ensure the stability of the installation site. When hanging upside down, make sure that the lamp does not fall off the support frame, and use safety ropes to pass through the support frame and lamp handle for auxiliary hanging. To ensure safety, prevent lamps from falling and sliding. When lamps are installed and debugged, pedestrians are forbidden to pass below. Regularly check whether the safety rope is worn and the hook screw is loose. If the lamps fall due to unstable hanging installation, the manufacturer will not bear any responsibility.

1. For the sake of safety, please hang and install this product away from aisles, seating areas or areas where people can reach;

2. Before hanging the product, please ensure that the installation point can bear 10 times the weight of the product; 3. This product must be installed with a double protection device, such as a safety rope;

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

5. Please ensure that this product should be installed at least 0.5m away from flammable materials;

6. Please remember to use the safety rope as a safety guarantee to prevent the handle or lamp from coming loose and causing accidents;

7. Before the product is powered on, please ensure that all required hanging and installation steps are completed.

8. Installation instructions Fix the light hook on the quick lock. The light hook can be purchased from our company. Pay attention to the tightness and firmness of the lock. In addition, we should make a double protection device. One end of the safety rope is fixed on the "mounting frame" and the other end is buckled into the "handle" of the lamp or a hardware hole. The safety rope can also be purchased from our company.

1	2	3	4
Lamp Hook	Quick Lock	Safety Rope	Signal Line