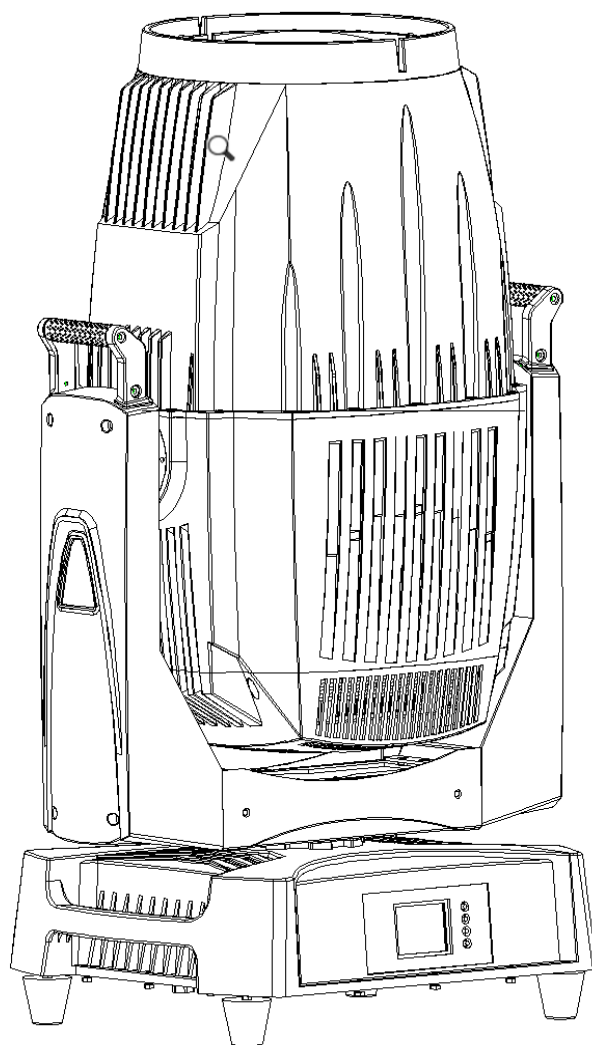


USER MANUAL



300W LASER BEAM MOVING HEAD IP65

FOREWORD

Thank you for choosing 300W Laser Beam Moving Head Light.

It is a multi-environmental, maintenance-free laser beam moving head with IP65-rating and a bright color output, generating a narrow and straight beam of light.

It features in strong beam effect, clear gobo, fast and smooth running, precise positioning and uniform pure color.

The fixture has a super high and long lighting distance range, with 15 fixed gobos+4 open, 8-facet & 16-facet prism, 12 colors with white .

This fixture could be used for large stadiums, large performances and other professional venues and all-weather environment.

PRODUCT CATALOG

1: SAFETY TIPS-----	4
2:TECHNICAL PARAMETERS-----	5-6
3:SCHEMATICLIGHTING COMPONENTS-----	6
4: PACKING AND SHIPPING-----	6-7
5: SAFETY STANDARDS-----	7-11
6: AC POWER-----	11
7: LAMP-----	11-14
8: FUNCTIONS-----	14-17
9: DISPLAY SETUP-----	17-25
10: CHANNEL-----	25-29
11:FAILURE ANALYSIS AND RESOLUTION---	29-30
12: CLEAN LAMP-----	30
13: PHOTOMETRICS DIAGRAM -----	31

1:SAFETY TIPS

Please read the guide book that contains the installation, use and maintenance of important information

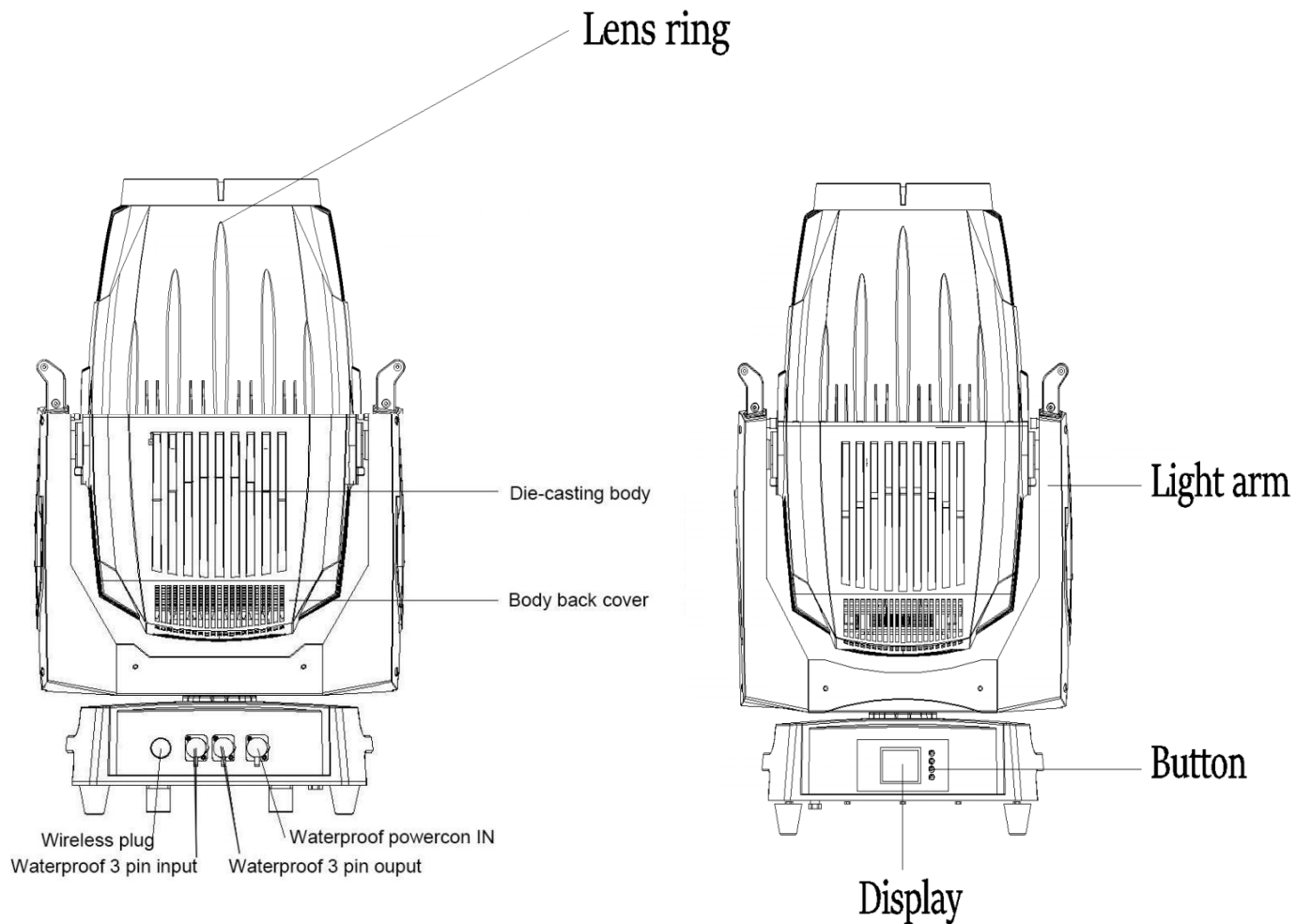
- ◇Before using this product, please observe carefully the product is not unwrap or damage during transportation. As a result of damage during transporting, please do not use the lights, and contact with the dealer or manufacturer.
- ◇Before running products, ensure that the voltage and Hertz in accordance with the requirements of lights.
- ◇It's very important, connecting ground wire to avoid the electric shock.
- ◇This product must be installed on the sufficient space, adjacent to interface the shortest distance of 100 cm, to ensure that the lights will not crash each other.
- ◇Before moving or repairing the product, please unplug the power. ◇When it working, ensure that no inflammable and explosive near objects.
- ◇When installing this product, please use the safety rope. When handling this product, lift the armrest base, rather than the lamp body. ◇This product is suitable for a maximum temperature of 45 degrees Celsius, when the surrounding environment is higher than 45°C, please do not use this product.
- ◇Do not touch. When working, the product running very fast, to prevent bruising hands.
- ◇Problems happens when operating performances, should immediately stop using the lights. Do not carry out maintenance, repair damage caused or likely to cause other problems. Please contact the company's maintenance repair. During the repair process, use the same type of accessories.
- ◇Please read the instructions carefully, especially regarding the installation, using, maintenance parts. Important that the lighting in the transport process, must be packed anti-shock protection carton or flight case.

2. TECHNICAL PARAMETERS

- ◇ DMX Channel: 16CHs
- ◇ Control model: DMX512, RDM etc
- ◇ LED LCD touch screen + press button control
- ◇ 260W Laser module source
- ◇ Pan & Tilt Motors: Super fast and ultra silence 3-phase step motors
- ◇ Color temperature is 7800K, life span is 20000Hs
- ◇ 15 fixed gobos +4 open
- ◇ 12 colors + open, semi color effect
- ◇ Prism: Rotating 8-facet prism and 16-facet prism could rotate reversible, prisms can combine multilayer beam effect
- ◇ Optical lens: High precision glued optical lens
- ◇ Soft light effect: The angle of soft light spot is adjustable
- ◇ Focus: Linear Focus
- ◇ Dimmer: 0-100% linear dimmer
- ◇ Beam angle: 0-0.8 °
- ◇ Strobe: 1-25Hz fast stroboscope, pulse stroboscope, Synchronous Asynchronous stroboscopic effect
- ◇ 13pcs super silence motors, pan & tilt 2pcs 3-phase step motors, 16bit.
- ◇ Rated power: 347W
- ◇ IP rate: IP65
- ◇ Weight: 37KG
- ◇ Size: 326*473*705mm

Extended functions: support RDM, wireless signals is at option.

3 SCHEMATIC LIGHTING COMPONENTS



4: PACKING AND SHIPPING

4.1 Accessories

260w laser beam moving head is packaged by carton or standard 2in1 flightcase

(selectable 1in1or 2in1), accessories items are as below

Name	Quantity	unit
User manual	1	piece
Signal line	1	piece
safe rope	1	piece
Bracket and Clamp	2	piece
Power line	1	piece

4.2 Packing

1. Disconnect the power supply so that the lamp to cool completely before packaging, at least 15 minutes or more.
2. Close the light protect lock after cleaning the surface of the light dust
3. Cover the light, seize the equipment both sides aluminum handles on to make it upside down and gently placed in the box.
4. Add lighting accessories after placing the light in box.
5. Up to two crates stacked prohibited upside down.

4.3 Unpacking

1. Open the box and bag
2. Seizing the equipment handles, lifting and carrying away the light from the box .Or opening the flight case, placing lift boom close to the light base, then equipping clamps on light base bottom. Tightening quick install locks. At last rising away boom to the top of the lamp from flight case, put the flight case away.
3. Before turning on the light, should open the light protecting lock.

Note: Upon receipt of lamps, please check if there is damage to the fold closure caused by transport, where there is transportation damage, please do not use this fixture, and as soon as possible contact.

5: SAFETY STANDARDS

Users should ensure that light and installation materials are checked for regular safety check. Please do not install it yourself if you do not have the professional work condition and similar experience. Please ask the professionals to operate it. Incorrect installation will cause danger.

The working temperature for the equipment is available between -20° to 40° . Do not use the equipment outside of this environment. Don't stand under the light when the light is installed, dismantled, moved or serviced. The operator must ensure that the fixtures are securely connected. Installing the light after professionals approving electrical parameters make sure that these installation must be checked at least once per year by experts

5.1 Hook Installation

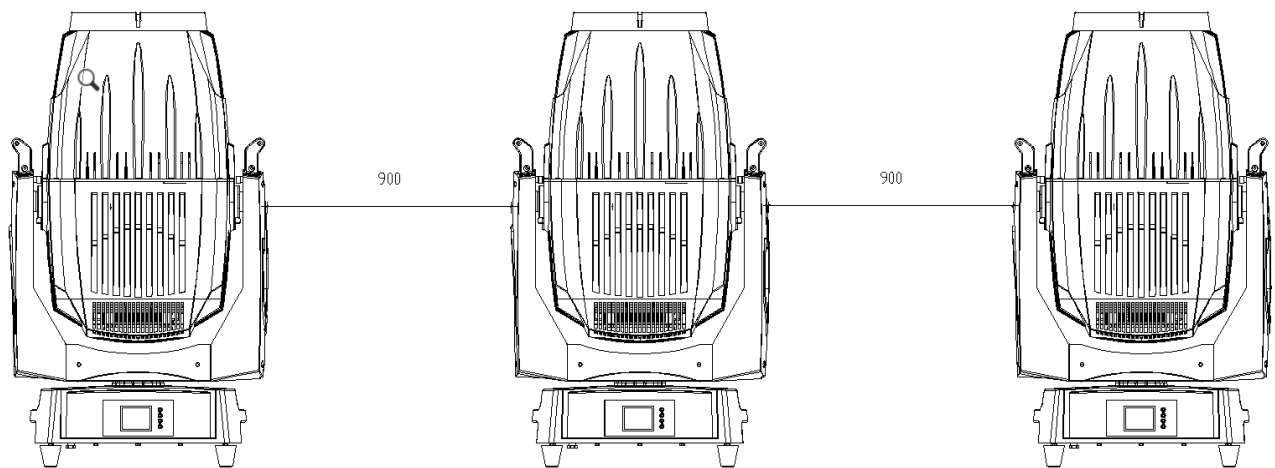
480 BSW light can be placed on the stage or on a stand in any direction, quick lock system can quickly and easily remove or install a light hook.

Note: Two fixtures must be used to fix the equipment, and each hook is fixed with four M8 stainless steel socket screws.

5.2 Fixing Equipment

1. Please confirm the rigging equipment is not damaged and can bear at least 10 times of light's weight before installing. Also check the building can be bore at least 10 times of total weights of light, fixture, and cable accessories.
2. Fix the lamp hook on the bottom box with the M8 stainless steel socket screw with the inner hexagon tool. Install the second lamp hook in the same way. Make sure the lamp hook is tightened on the bottom box.
3. If truss can be lifted the equipment can be directly clamped from flight case and locked fixture base. Then hung on the light and fixed it. Before rising the light to

right height, connect the power line and signal line.



Note: Lights be placed vertically upward, the shortest distance between working lights must be more than or equal 900mm, lighting installation layout as following.

5.3 Data cable

Data cable is DMX512 signal。

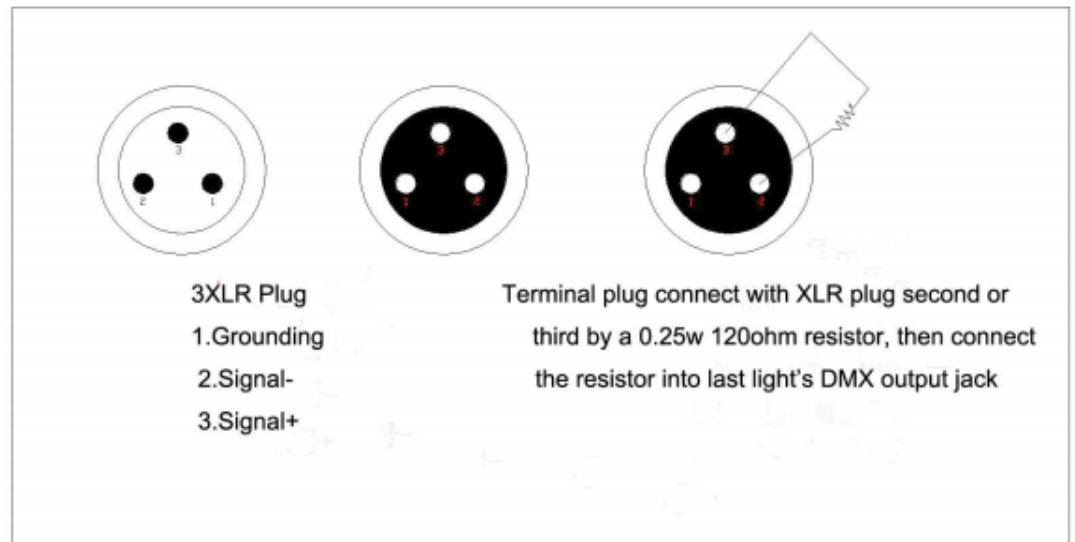
Caution: Signal line connections is X-type connector

X-type connector----- If the external flexible cable or cord of this light is damaged, please replace the professional cable or cord from the manufacture or its agent.

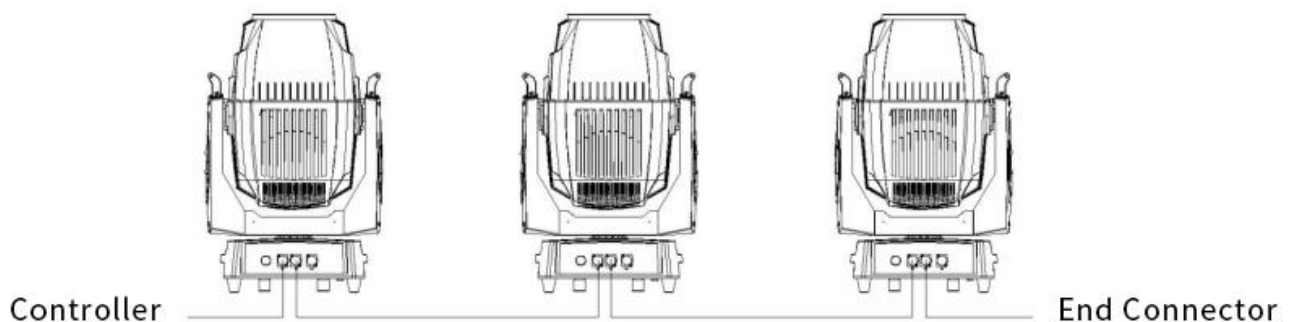
DMX of lights input and output connects to a 3&5-pin XLR, first pin is grounded, second negative signal is second pin, third pin connects to the positive polarity signal, the fourth and fifth is empty.

In order to prevent reception reflection and interference control signal, a terminal

plug must be installed on the first branch of the connected device last 3-pin output jack



The controller connects to the nearest input XLR 3-pin, then from the output of the device connects to the input of the next device, continuous connection one by one, the final output data cable terminal equipment plug one end into the terminal.



If the signal transmission is long-distance, 512 signal amplifier must be added.

DMX512 signal controller connect to the input of the amplifier first, then connect to the fixture from its output, couple with the terminal plug last.

Note:

1. Do not use two separate output connections. To connect the branch, a separating consecutive DMX512 signal amplifier must be used.
2. Please use the specialized DMX512 shielded twisted-pair cable. Standard microphone cables can not be reliably controlled long-distance data.

6: AC POWER

6.1 Fuse

Power and Fuse:

Power	Fuse
100-240v~	10A 5*20 Main Fuse

6.2 Power Connection

If the external flexible cable or cord of this light is damaged, the line is up to the manufacturer or its service agent or a similar qualified person to replace, in order to avoid danger.

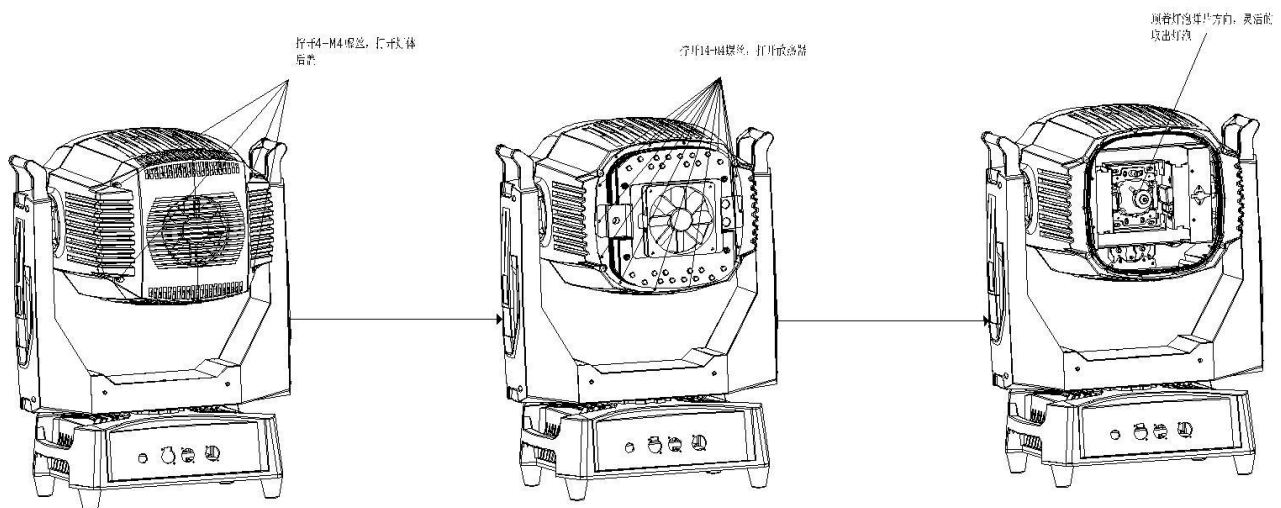
Connect the power supply personnel must have the appropriate qualifications before proceeding, you must make sure you are using the power supply voltage matches the voltage identified and have overload or leakage protection. Directly connect the device to the power supply, do not connect to the silicon box dimming system, otherwise damage to the equipment .

7: Light Source

The 300W Laser Beam moving Head uses the international top 260W laser module. This laser module provides a very stable color temperature of 7800K, a color rendering index greater than 90, and an average life span of more than 20,000 hours (depending on the use environment)

Notice:

1. Please do not install other similar laser modules, otherwise it will cause safety hazards or damage the equipment.
2. To reduce the risk of damage to the lamps, replace the laser module before the service life of the light source is exceeded.
3. It is forbidden to use scratched and damaged laser modules



Note: 1. Do not touch the bulb bulb with bare hands when replacing the bulb, to avoid oil stains on your hands getting on the bulb.

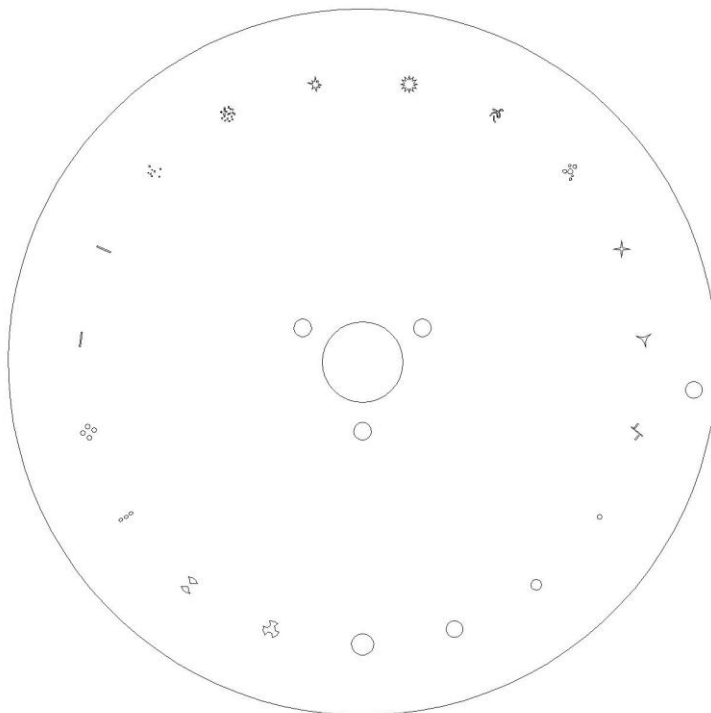
2. When installing and removing the light bulb, gently put the light bulb in and out, and do not let the light bulb touch the hard objects around it to prevent damage to the laser module.

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8: FUNCTIONS

8.1 Gobo Wheel

One static gobo wheel consisting of 15 fixed gobos + 4 open.

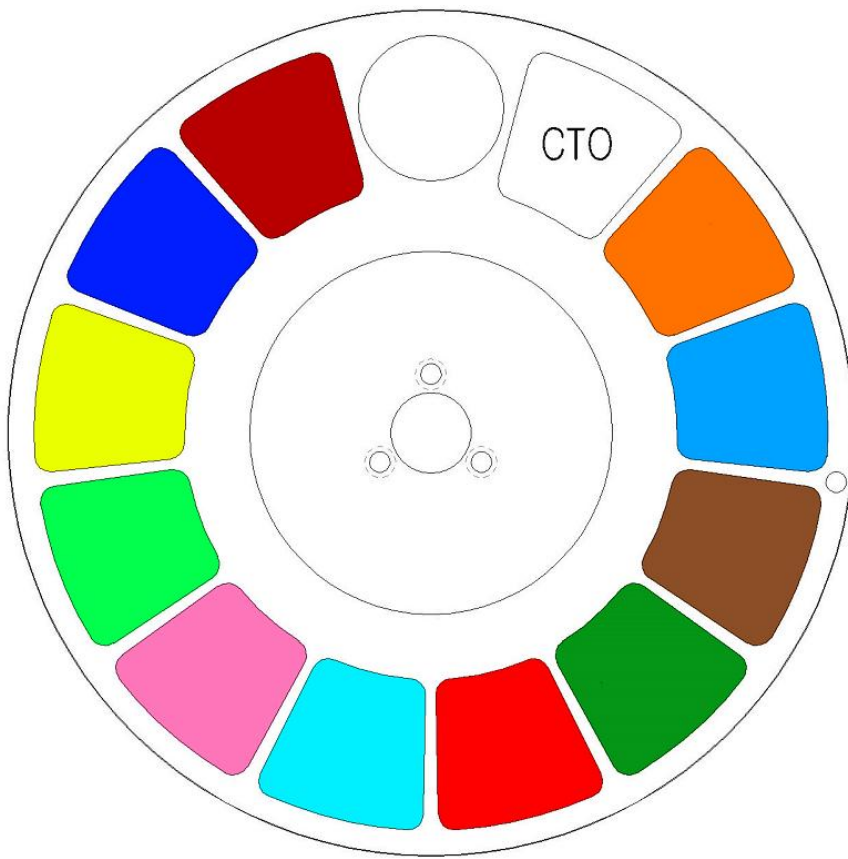


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8.2 Color Wheel

The color wheel is composed of 12 fixed colors of high standard. Users can easily choose their favorite color to create a perfect lighting effect. At the same time, when used with

the gobo wheel, the effect is better, and the colorful gobo effect can be changed at will. (According to customer needs, you can replace all kinds of custom-made color wheel at any time).



8.3 Optical Lens

Two high-precision motors work synchronously to adjust the optical lens to complete the gobo definition and gobo size.

8.4 Prism

The prism wheel is equipped with a 8-facet plus a 16-facet prism, which can be rotated clockwise and counterclockwise, the speed is adjustable, and with colors and gobos, creates a variety of gorgeous lighting effects.

8.5 Dimming and Strobe

0-100% electronic dimming, can be switched on and off instantly, the strobe speed can be

adjusted at will, up to 25 times per second, and a special function of random strobe.

8.6 Frost

It consists of a piece of atomization sheet, which can be controlled according to the actual situation to achieve the soft light effect you want.

8.7 Horizontal &Vertical Angle

Horizontal scan 540 degrees, vertical scan 270 degrees, with 16BIT precise positioning function. Horizontal and vertical speed can be adjusted.

9:Display Settings

9.1 Display Instruction



9.2 Menu Operation:

Press Button :
ENTER、UP、 DOWN、 ESC
一、 Main Menu:

1、DMX Address: 01-512				
2、Channel: 1:16 2:20				
3、Reset Operation	1、Motor off、		Yes/No	
	2、Pan/Tilt			
	3 Color			
	4、Gobo			
	5、Dimmer			
	6、Zoom/Prism			
4、Run (DMX)	1、DMX			
	2、Auto1			
	3、Auto2			
	4、Auto3			
	5、User program			
5、Lamp	Current open			
	Current off			
6、Manual control:	1、pan		0-255	
	2、Tilt		0-255	
	3、Color		0-255	
	4、Fixed Gobo		0-255	
	5、Prism		0-255	
	6、Frost		0-255	
	7、Focus		0-255	
	8、Shutter		0-255	
	9、Dimmer		0-255	
	10、Prism Auto Rotating		0-255	
	11、Automatic Return	30 Second		0-255
		2 Minutes		
Never				
7、Run settings	1、Tilt Setting	1、Direction		Yes/No
		2、Start		0-255
		3、End		255-0
	2、Pan Setting	1、Direction	Yes/No	
		2、Start		0-255
		3、End		255-0
	3、Pan/Tilt General settings	1、Speed channel control mode		Speed/Time
		2、Application scenario		Standard/Entertainment
		3、Speed channel real-time action		Yes/No
		4、Manual scanning		Yes/No
	4、Master-slave mode:	Slave		
		Master		

	5、Mixed scene	1、 Play scene		1-12
		2、 First round		A-H
		3、 Second round		A-H
		4、 Third round		A-H
		5、 Fourth round		A-H
		6、 Fifth round		A-H
		7、 Sixth round		A-H
		8、 Seventh round		A-H
		9、 Eighth round		A-H
	6、 Scene editing	1、 Scene number		A-H
		2、 Step number		0-29
		3、 Step editing	Time	0-255
			Channel	1-25
			Value	0-255
		4、 Copy		
		5、 Stick		
		6、 Record		
	7、Lamp Power	Full power		
		Half power		
	8、Light Switch	1、 Pan/Tilt		Yes/No
		2、 Color		Yes/No
		3、 Gobo		Yes/No
		4、 Prism/ Fire plate		Yes/No
	9、 Synchronous random frequency conversion			Yes/No
	10、 Disable smooth dimming			Yes/No
8、 Display setting	1、 Sleep	30 Second		
		2 Minutes		
		10 Minutes		
		Not sleeping		
	2、 Brightness			1—10
	3、 Reverse display			Yes/No
	4、 Indicator light			Auto/ Normal open
9、 Advanced settings	1、 Fine Adjustment (Code 000)	1、 Pan		0...500...-500
		2、 Tilt		0...500...-500
		3、 Color		0...500...-500
		4、 Fixed Gobo		0...500...-500
		5、 Focus		0...500...-500
		6、 Dimmer		0...500...-500
		7、 Dimming mirror		0...500...-500
		8、 Prism arm 1		0...500...-500
		9、 Prism arm 2		0...500...-500
		10、 Frost		0...500...-500
		Lock the menu		Yes/No

	2、Factory Setting (Code 2393)		Flash Logo		Yes/No			
	3、3、Fine adjustment backup and recovery		1、Recovery					
			2、Backup					
			3、Fine adjustment value is cleared					
			4、View backup data					
			5、View local data					
	4、No DMX		1、Execution		Middle			
					Keep			
					Auto (Test)			
					Auto (Gobo)			
					Auto (Color)			
					User program			
			2 Mode:		Only when booting			
					Any time			
	Return							
	5、Gobo coordination		Yes/No					
	6、Prism coordination		Yes/No					
	7、Advanced function		Yes/No					
	8、Fan Speed		Full Speed/Auto					
	9、Language		1、Chinese					
			2、Eng					
			3、Espanol					
	10、 、 When light off		No action					
			Sleep					
	11、 Logo Always on				Yes/No			
	12、 Turn off the battery							
	13、 P/T Correction						Yes/No	
	14、 Lamp time clear						Cancel	
							Confirm	
	15、 Reset						Cancel	
							Confirm	
	16、 Ignore errors		Pan reset		Yes/No			
			Tilt reset		Yes/No			
			Lighting board communication		Yes/No			
			Code wheel waveform		Yes/No			
	17、 Lightning failure retry						Yes/No	
18、 Clear self programming						Confirm /Cancel		
10、 Info	1、 DMX Monitor		Channel		01-30			
			Value		0-255			
			Signal Detection		Accepting/no signal			

	Periodic (ms)	106-108
2、Condition monitoring	Cpu1 Temperature °C	
	Cpu2-0 Temperature °C	
	Multi-channel fan speed measurement	Fan 1 Rotating speed: 200
		Fan 2 Rotating speed: 240
	Maximum power	
3、Lamp Info	Power gain: 100%	
	Lighter Lamp HID: 0	
	Lighting board SID: 24935	
	Bulb voltage: 86	
	Lighting board Temperature (°C) : 00	
	Lamp status: 13	
	Lamp Temperature (°C) : invalid	
	Wave form: 1	
	Light board faultly?: 0	
4、Lamp usage time	This time (Minute) : 0	Total (Hour) : 0
5、5、Error Info	Storage	Normal/Fault
	Motor sensor	Normal/Fault
	Lamp communication	Normal
	Cpu2-0 communication	Normal/Fault
	Cpu1-1 communication	Normal/Fault
	Cpu3 communication	Normal/Fault
	Lamp overheating	Yes/No
	Light board overheating	Yes/No
	Cpu1 overheating	Yes/No
	Cpu2 overheating	Yes/No
	Flash	Fault
	Fan stop (4-way board)	Yes/No
	RAM	Fault
	License expired	Yes/No
	Fine adjustment backup	Consistent
	3 Axis sensing communication	Normal
	3 Axis sensing self test	Normal
	Pan code wheel waveform	Normal
	Tilt code wheel waveform	Normal
	Motor board IAP failed	NO
	Lighting board failure	NO
	3 Axis sensing	Normal

	communication		
	3 Axis sensing self test		Normal
6、The remaining time (hour)	infinite		
	Press the serial number		
7 Security Settings 3.0 (Code 86226239)	1、ID	1、Set the serial number	
		2、Set the time (Hour) 240	
		3、Expiration prompt	Yes/No/ After renewal
		4、Total time of use (hour)	
		5、Limit boot time limit	
		6、Synchronize	
8、3 Axis sensor	Local	Fan angle: 0	
		ACCX: 0	
		ACCY:0	
		ACCZ: 0	
	Accessory board	Lamp angle: 112	
		Angle X: -68	
		Angle Y: -21	
		Angle: 0	ACCX: -15285
			ACCY:-6141
			ACCZ: 147
	Calibration value	ACCX: 0	
		ACCY:0	
		ACCZ: 0	
9、Mode Test (Code 232)	Motor off		
	Test motor		
	Code wheel		Yes/No
	Sensor 1		0.....
	Sensor 2		0.....
	Sensor 3		0.....
	Sensor 4		0.....
	Sensor 5		0.....
	Sensor 6		0.....
	Thermistor		0.....
	0.1K/30632		
	Lighting test (Click to enter)		1
	Sound		0
	Set fan voltage		0-999
	Local reset		-1
	Sub board reset		1
	RDM Test		Close/Open
	Keyboard form		Four Press
	Automatic correction		Yes/No

			Double time	1	
			Reset (EERPROM)	CODE NEEDED	
			Recalibration screen (requires restart)		
			Multi-channel fan test	Fan 1 (999)	
				Fan 2 (999)	
				Fan 3 (999)	
				Fan4 (999)	
				Stop error big count: 60	
			Dual fan test	Fan 1 (%) : 101	
				Fan 2 (%) : 101	
			Disable fan speed measurement (4-way board)	Yes/No	
			SN Motor	Start	Yes/No
				Set sequence	Yes/No
			Code wheel waveform	Waveform diagram	
				Real-time sampling: none	
				Threshold: 25	
			Internal communication monitoring	Time (ms) : 8-9	
				Time OatTick: 27	
				Error count 2:5	
				Error count 3:497	
				Bulb communication	
				Error count	
				Bulb communication count: -2657	
			Pressure value (hpa)	000	
			Pressure value (pa)	00	
			IAP	Target ID setting	
				Burning motor board	
				Burning front panel	
				Boot to USBIAD	
				Clear failure sign	
		XY speed test	Speed parameter	Maximum speed *10:100	
				Maximum acceleration: 100:50/63	
				Start acceleration *100:20	
				Speed suppression coefficient Xle-6:50	
				XYH-example *0.01:100	
				Parking acceleration *100:50	
			Current parameter	X maximum current (%) : 100/100	
				X quiescent current (%) : 10	

			meter	X speed coefficient (0.01) :45
				X acceleration compensation (%) : 0
				Y maximum current (%) : 100/100
				Y quiescent current (%) : 20
				Y speed coefficient (0.01) : 45
				Y acceleration compensation (%) : 0
				Run
			Value	11705/000/ 000/000
			Set power (%) : 101	

10 CHANNELS

Channels Mode		DMX	Description
16	20	Value	
1	1		Color Wheel
		0-2	White (White Iris)
		3-7	White + Dark Red
		8-12	Dark Red
		13-17	Dark Red + Dark Blue
		18-22	Dark Blue
		23-27	Dark Blue + Yellow
		28-32	Yellow
		33-37	Yellow + Green
		38-42	Green
		43-47	Green + Magenta
		48-52	Magenta
		53-57	Magenta + Sky Blue
		58-62	Sky Blue
		63-67	Sky Blue +Red
		68-72	Red
		73-77	Red + Dark Green
		78-82	Dark Green
		83-87	Dark Green + Amber
		88-92	Amber
		93-97	Amber +Blue
		98-102	Blue
		103-107	Blue + Orange
		108-112	Orange
		113-117	Orange + CTO

		118-122	CTO
		123-127	CTO+ White
		128-190	Rainbow effect from fast to slow
		191-192	Rainbow effect stopped
		193-255	Rainbow effect from slow to fast
2	2		Strobe/Shutter
		0-3	Close
		4-103	Strobe from slow to fast
		104-107	Open
		108-155	Fast on and slow off, from fast to slow
		156-207	Fast off and slow on, from fast to slow
		208-212	Open
		213-251	Random strobe, from slow to fast
		252-255	Open
3	3		Dimmer
		0-255	Dimming from 0% to 100%
4	4		Static Gobo
		0-3	Gobo 1
		4-6	Gobo 2
		7-9	Gobo 3
		10-12	Gobo 4
		13-15	Gobo 5
		16-18	Gobo 6
		19-20	Gobo 7
		21-23	Gobo 8
		25-26	Gobo 9
		27-29	Gobo 10
		30-31	Gobo 11
		34-36	Gobo 12
		36-39	Gobo 13
		40-43	Gobo 14
		44-47	Gobo 15
		48-51	Gobo 16
		52-55	Gobo 17
		56-60	Gobo 18
		60-63	Gobo 19
		64-70	Gobo 2 Shake, slow to fast
		71-77	Gobo 3 Shake, slow to fast
		78-84	Gobo 4 Shake, slow to fast
		85-91	Gobo 5 Shake, slow to fast
		92-98	Gobo 6 Shake, slow to fast
		99-105	Gobo 7 Shake, slow to fast
		106-112	Gobo 8 Shake, slow to fast
		113-119	Gobo 9 Shake, slow to fast
		120-126	Gobo 10 Shake, slow to fast
		127-133	Gobo 11 Shake, slow to fast
		134-140	Gobo 12 Shake, slow to fast
		141-147	Gobo 13 Shake, slow to fast
		148-154	Gobo 14 Shake, slow to fast
		155-161	Gobo 15 Shake, slow to fast

		162-168	Gobo 16 Shake, slow to fast
		167-176	Gobo 17 Shake, slow to fast
		177-184	Gobo 18 Shake, slow to fast
		185-191	Gobo 19 Shake, slow to fast
		192-201	Empty
		202-227	The Gobo is scrolling forward, from fast to slow
		228-229	Stop scrolling
		230-255	The Gobo is scrolling in reverse, from slow to fast
5	5		Prism
		0-19	No Prism
		20-75	Prism 1 Insert
		76-127	Prism 2 Insert
		128-255	Prism 1 & 2 Insert
6	6		Prism 1 Positioning and Rotation
		0-127	Prism 1 Positioning and Rotation
		128-190	Prism 1 rotates in reverse, from fast to slow
		191-192	Prism 1 stops rotating
		193-255	Prism 1 rotates forward, from slow to fast
7	7		Frost
		0-63	No Action
		64-255	Frost100%
8	8		Rainbow Color Wheel
		0-63	No Effect
		64-255	Rainbow Color 100%
9	9		Focus
		0-255	Focus from far to near
10	10		Pan
		0-255	Pan Rotating
11	11		Pan Fine Adjustment
		0-255	Pan fine adjustment
12	12		Tilt
		0-255	Tilt Rotating
13	13		Tilt Fine Adjustment
		0-255	Tilt fine adjustment
14	14		Pan/Tilt Speed
		0	The Max Speed
			In speed mode
		1-255	Speed from fast to slow
			In time mode
		1-255	Time from 0.1s to 25.5s
15	15		Focus macro effect
		0-255	Focus macro effect
			+
16	16		Function
			To achieve the following effects, push the DMX value to the corresponding position and hold it for at least 4 seconds, and the following effects must be activated in the menu settings to use.

			To achieve the following effects, push the DMX value to the corresponding position and stand still for at least 4 seconds
		1-199	Empty
		200-209	Pan & Tilt Reset
		210-219	Effect Reset
		220-229	Whole Light Reset
		230-255	Empty
			Pan/Tilt Time
*	17	0	Max Speed
		1-255	Time from 0.1s to 25.5s
			Color Time
*	18	0	Max Speed
		1-255	Time from 0.1s to 25.5s
			Focus Time
*	19	0	Max Speed
		1-255	Time from 0.1s to 25.5s
			Gobo Time
*	20	0	Max Speed
		1-255	Time from 0.1s to 25.5s

11:FAILURE ANALYSIS AND SOLUTION

Listed below is a common approach in the operation of a few common problems.

◇Fault A: The lamp is not working, the bulb is not lit, the fan does not work.

Solution 1: Check the power supply or the fuse if is burned.

Solution 2: The main power connector on the voltage detector

◇Fault B: connect control units, lighting does not respond

Solution 1: After connecting control units, the lights should be working. If it is not working properly, check the signal cable plugs and wires are connected correctly.

Solution 2: If the light's display on, but the channel does not respond, check the address code is set correctly and DMX output voltage polarity.

Solution 3: If your fixture is having intermittent DMX signal problems, please check the input terminals and circuit board

Solution 4:Please change another DMX controller.

Solution 5: Check whether the signal cable near high voltage power lines caused DMX display board inside the wire damage.

◇ Fault C: One of the channels is not working

Solution 1: Stepper motor may be damaged, or the line connecting the main board burned out.

Solution 2: IC driver board on the motherboard may be damaged.

12:CLEANING

The cleaning of internal and external optical lenses and/or mirrors must be carried out periodically to optimize light output.

Cleaning frequency depends on the environment in which the fixture operates:

damp, smoky or particularly dirty surrounding can cause greater accumulation of dirt on the unit's optics.

Clean with soft cloth using normal glass cleaning fluid.

Always dry the parts carefully.

Clean the external optics at least every 20 days. Clean the internal optics at least every 30/60 days.

Clean the fans on the head and base every 20 days.

Disconnect the fixture before clear.

13:PHOTOMETRICS DIAGRAM

260 LASER BEAM PHOTOMETRICS DIAGRAM

