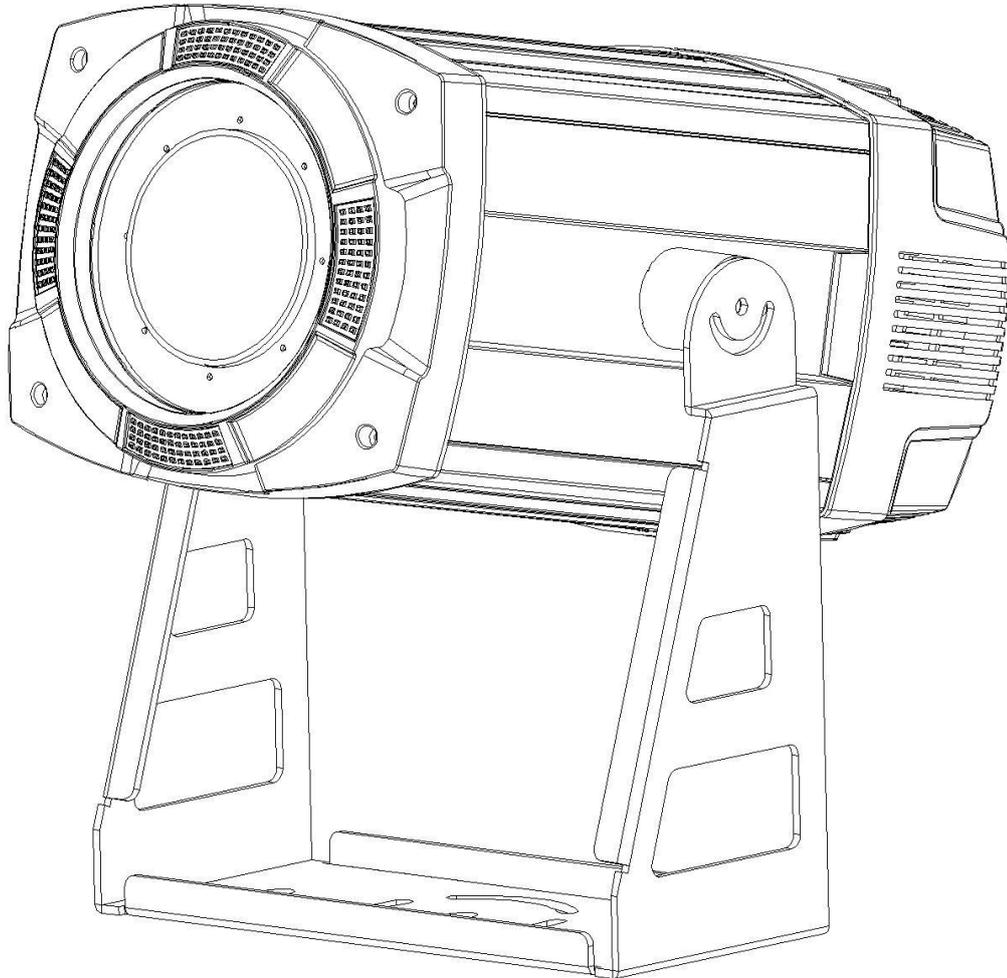


USER MANUAL



PG-300W-IP

FOREWORD

Thank you for choosing our PG-300W-IP, which is the latest high-quality beam light. It is much lighter and more convenient in the same power with the perfect combination of international advanced electronic control technology and excellent humanized industrial design. It fully complies with the CE standard and supports the international DMX512 signal control mode.

The model is fitted with 300w LED light source, with strong light effect, large angle water streak effect, and clear gobo. Meanwhile it is with 6 colors+ open color wheel, prism+ water streak, and zoom function.

It is widely used in building, bridge, theme park, monument, landscape, night clubs or exhibition, performances and other professional places.

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1. SAFETY INSTRUCTIONS

Please carefully read the instructions, this guide consists of
Important information about installation, use and maintenance

Before using this product, please carefully observe the product is not unwrapped or damage during transport. In case of damage caused by transportation, please do not use this lamp, and as soon as possible contact your dealer or manufacturer.

Before turning on the product, ensure that the voltage and hertz to meet the requirements of this product. It is very important, connecting the ground wire to avoid electric shock.

This product is for dry indoor environments.

This product must be installed on the sufficient space, adjacent to interface the shortest distance of 50cm, 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.

The product is suitable for a maximum temperature of 40 degrees Celsius, when the surrounding environment is higher than 40 degrees Celsius. Please do not use this product.

Do not touch. In operation, the product running very fast, to prevent bumps hands.

If there is a problem with the operation during the show, the lighting should be stopped immediately. Do not perform repairs, damage or repairs that may occur during maintenance. Please contact the company's service point for repair. Use the same model of accessories during the repair process.

During the repair process, use the same type of accessories.

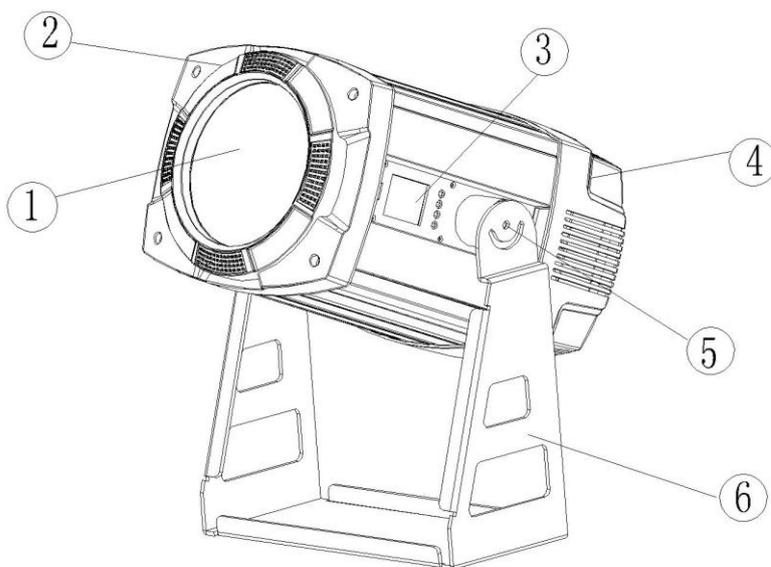
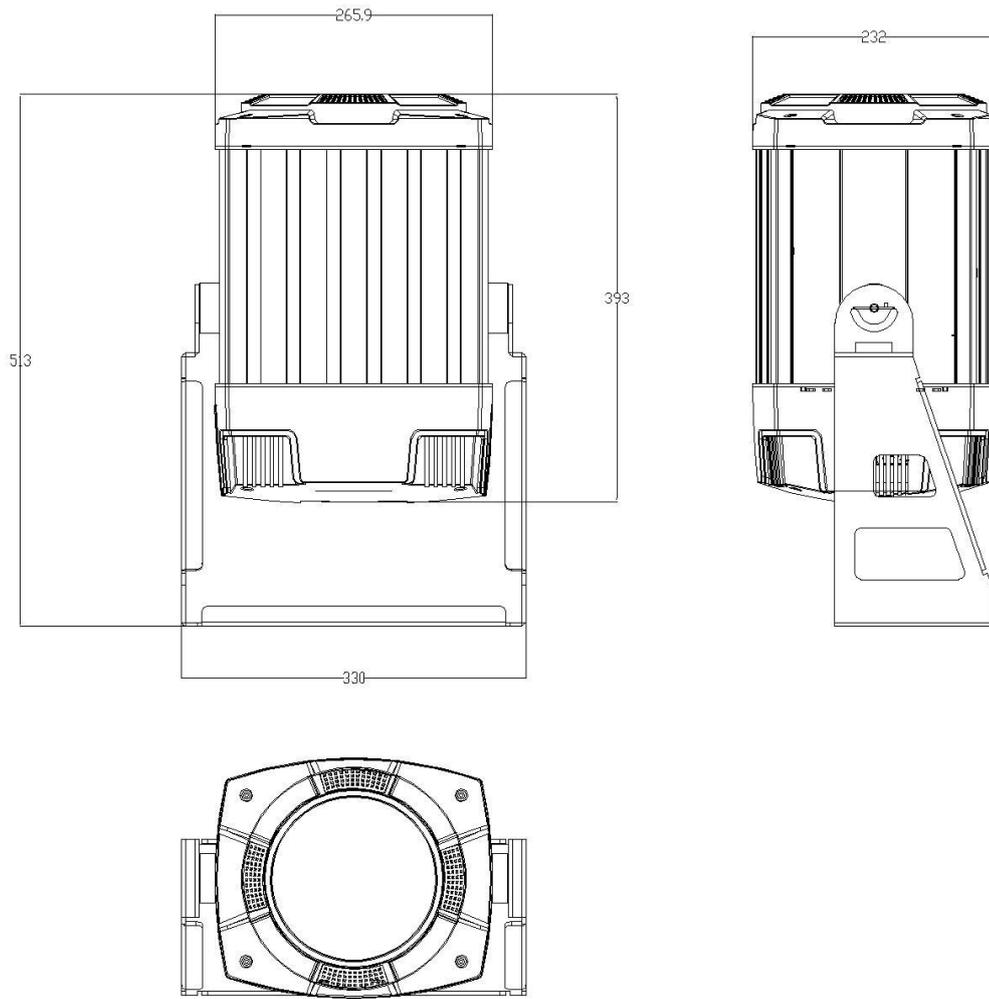
Please carefully read the instructions, this guide consists of important information about installation, use and maintenance.

Please read this manual, especially regarding the installation, use, maintenance parts. It is important that the moving head light must have anti-vibration protection carton or flight case during transportation.

2. TECHNICAL PARAMETERS

- DMX Channel:15CHs
- Control Mode:DMX512
- LED LCD Display + Press Button
- Source: 300W LED Light Source
- Color temperature is 7000K, life span is 20000Hs
- 6 Colors+ Open, Semi Color Effect
- Prism: 8-Facet Rotating Prism
- Optical lens: High precision glued optical lens combination
- Zoom: Linear Zoom
- Focus: Linear Focus
- Dimmer: 0-100% Linear Dimmer Adjustment
- Beam: 11-46 °
- Strobe: Electronic strobe (0.3-25FPS)
- Motors: 8pcs super mute sound motors
- Housing: High temperature resistant alloy plastic + plastic handle
- IP Rate: IP66
- Weight:12KG
- Size: 330*232*513mm

3. Schematic Lighting Components



1. dustproof tempered glass 2. head cover 3. display 4. head back cover 5. twist 6. body trestle

4.Packing and Shipping

4.1 Packing Material and Accessories

PG-300W-IP is packaged by carton or standard 2in1 flight case (Other options are the 1in1 flight case and 4in1 flight case). Random accessories items as shown below.

Item	Quantity	Unit
User Manual	1	Piece
Signal Line	1	Piece
Safety Rope	1	Piece
Bracket+ Clamp	2	Piece
Power Line	1	Piece

4.2 Packing

1. Power off to let the lamp cool completely before packaging equipment at least 15 minutes or more.
2. Lock the light protection locks when cleaning the surface of the light.
3. Use the packing bag to cover the light, seize the aluminum handle on both sides of the equipment and put it upside down and put it into the box gently.
4. Add lighting accessories after putting the light into packing box.
5. It's only up to two crates stacked and is prohibited upside down.

4.3 Unpacking

1. Open the packing box and packing bag.
2. Seizing the equipment's handles, lifting and carrying away the light from the packing box or opening the flight case cover placing lift boom close to the light base, then equipping light hook 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. Check if the lamp body break obviously because of transportation before the fixture is powered on.

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 contact us as soon as possible.

Users should ensure that light and installation materials are checked for regular safety checks. Unprofessional incorrect installation can lead to dangerous, if the lack of working conditions and professional standards, please operate the light by professionals.

Do not use the light if the working temperature isn't 0-40 degrees Celsius. Don't stand directly 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. Safety Standard

5.1 Hook Clamp Installation

PG-300W-IP light could 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 secure the device and tighten the clamp with a 1/4 button. Only the 90° clockwise rotation can lock the fastener.

5.2 Fixing Equipment

1. Before installing fixtures must verified rigging equipment is not damaged, and can bear at least 10 times of light's weight. Check the building can be bore at least 10 times of total weights of light, fixture, and cable accessories.

2. Insert the locked hook fastener into base mounting holes horizontally, grab the handle clockwise 90 degrees fasteners, in the same way to install a second fastener, make sure the fastener is fastened under the light base.

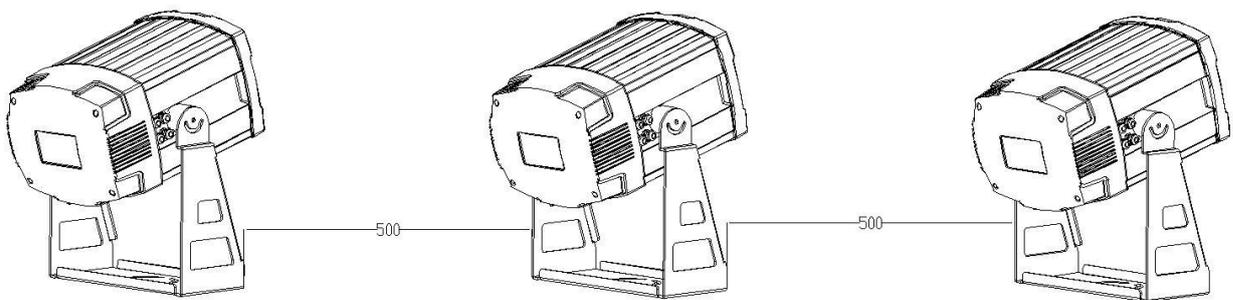
3. If truss can be lifted the equipment can be directly clamped from flight case and locked fixture base. Then hung on the light and fixed it. Before rising the light to right height, connect the power line and signal line.

Note: add a safety rope attached the light's base insurance shelf, do not connect the device handle.

Note 1:

add a safety rope attached the light's base insurance shelf, do not connect the device handle.

Note 2: Lights be placed vertically upward, the shortest distance between working lights must be more than or equal 500mm, lighting installation layout as follow.



5.3 Data cable

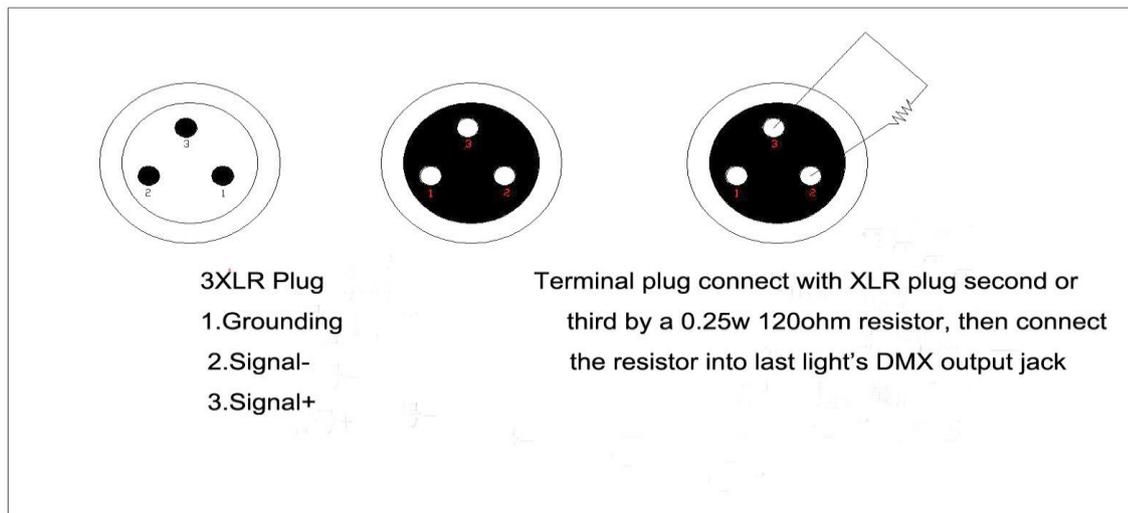
Data cable is DMX512 signal.

Caution: Signal line connections is X-type connector.

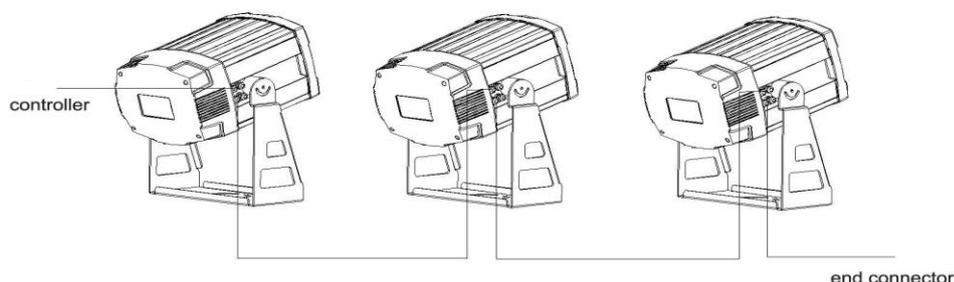
X-type connector-----If the external flexible cable or cord of this light is damaged, please replace professional cable or cord from the manufacture or its agent.

Lights' DMX input and output connects to a 3&5pin XLR, first pin is grounded, then 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.

Caution:

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

6. Power Connection

If the external flexible cable or cord of this light is damaged, please contact the manufacturer or its 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. LED Chip

PG-300W-IP uses domestic top LED 300W light source, this LED light source + concentrator integrated light source provides a very stable color temperature at 7000K, color rendering index is greater than 96, and average life is more than 20,000 hours (according to leds Relevant use environment)

Note:

1. Please do not install other similar led light source, otherwise it will cause safety hazards or damage the equipment.
2. To reduce the risk of damage to the light, replace the LED Chip before it exceeds the life of the lamp.
3. It is forbidden to use damaged LED Chip

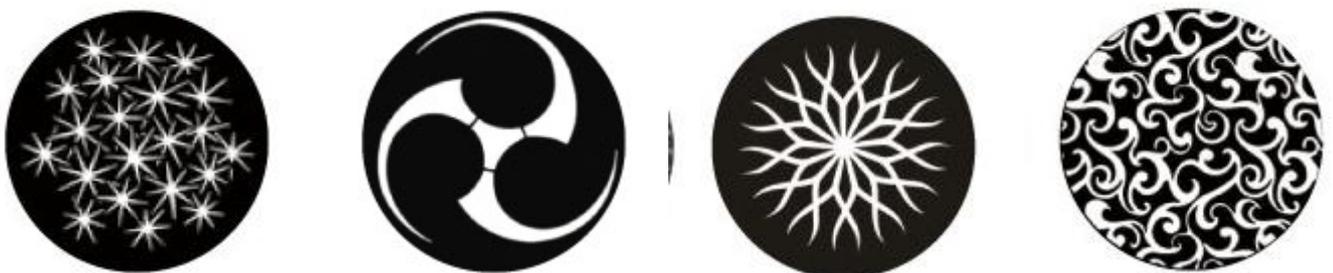
8. FUNCTIONS

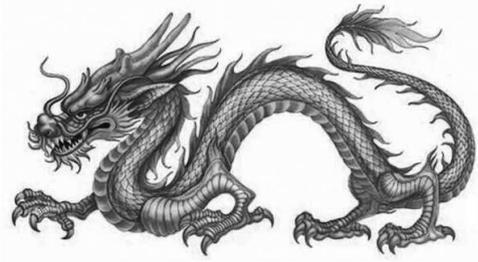
8.1 water gobo wheel

A water gobo wheel and a water droplet wheel combines to create a dynamic and static effect of the water ripple.

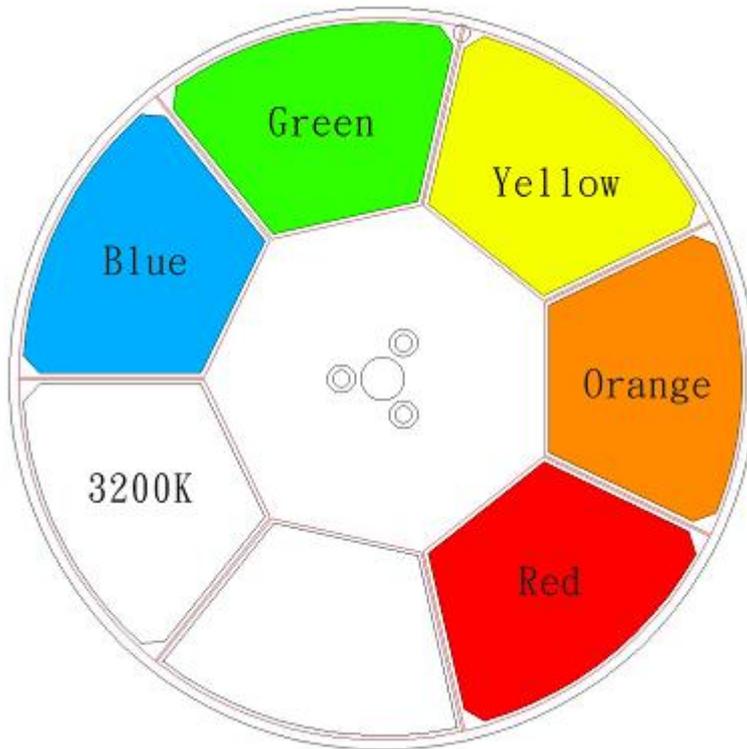
8.2 rotating gobo wheel

6 customized gobos with dynamic rotating effects





8.3 Color Wheel



The color wheel consists of 6 fixed colors of high standard. Users can easily choose the color they like and create a perfect lighting effect. At the same time, it can be used with the water gobo wheel, to have a better effect. Colors can be customized.

8.4 Optical Lens

Two high-precision motors are used to drive the belt to work synchronously, and the optical lens is quickly adjusted to complete the water streak sharpness and gobo zooming function.

8.5 Prism

The prism wheel is equipped with 8 or 16 facet prism , which can be rotated clockwise and counterclockwise at adjustable speed.

The color and water streak can be combined to create a variety of beautiful lighting effects.

8.6 dimming and strobe

0-100% linear electronic dimming, instant switching, stroboscopic speed can be adjusted freely, up to 25 times / sec, with special function of random strobe.

9. LCD Display



Menu Setting

Buttons:

FUNC (Select) (Confirm) 、 UP (Last one) 、 DOWN (Next one) 、 ESC (Exit/Return)

Main Menu:

1. DMX Address : 01-512			
2. Channel Mode : 15			
3. Reset	1. Power on/off	YES/NO	
	1. Pan/Tilt		
	2. Color		
	3. Gobo		
	4. Dimmer		
	5. Zoom/Prism		
4. Operation (DMX0)	1. DMX		
	2. Auto 1		
	3. Auto 2		
5. Manual Control	1. Color		0-255
	2. Prism		0-255
	3. Focus		0-255
	4. Shutter		0-255
	5. Dimmer		0-255
	6. Prism/Rotating		
	7. Water Effect Gobo 1		
	8. Water Effect Gobo 1		
	9. Automatic back to homepage after 30 seconds		
6. Operation Settings	1. Dimmer Curve : S Curve	1. Straight Line	
		2. Flat	
		3.	
		4. S Curve	
		5.	

	6. Master-slave Mode :		Auxiliary Machine			
			Main Machine			
	7. Playing Scene		0-23			
			Scene 1		0-22	
			Scene 2		0-22	
			Scene 3		0-22	
			Scene 4		0-22	
			Scene 5		0-22	
			Scene 6		0-22	
			Scene 7		0-22	
			Scene 8		0-22	
			Return		0-22	
	8. Editing Scene		1. Scenes No.		00-22	
			2. Step No.		00-29	
			3. Editing Scene		Time	000-255
					Channels	0-10 000-255
	Return					
	9. Switching		1. Color		YES/NO	
			2. Gobo		YES/NO	
			3. Prism		YES/NO	
Return						
10. Adjustment Shutter		YES/NO				
11. Linear Adjustment Color		YES/NO				
Return						
7. Display Settings		1. Sleep		30 seconds		
				2 seconds		
				10 seconds		
				No Sleep		
		2. luminance		1—10		
		3. Reverse display		YES/NO		
		4. Signal light		Auto/On		
Return						
8. Advanced Setup		1. Fine Adjustment (Value: 576)				
		2. Factory Setting				
		3. Copy of Fine Adjustment Info and Recover				
		4. No DMX				
		5. Prism Setting		YES/NO		
		6. Advanced functional channel		YES/NO		

7. Fan's Speed		Auto/Full Speed	
8. Language	1. Chinese		
	2. English		
	3. Espanol (Spanish)		
9. Logo Showed		YES/NO	
10. Clear Lamp On times		Confirm	
		Cancel	
11. Factory Reset		Confirm	
		Cancel	
12. Continue	Electronic Ballast	YES/NO	
	Effect	YES/NO	
	Water effect plate	YES/NO	
	Return		
13. Clear Programming Set		Confirm	
		Cancel	
Return			
9. Information	1. DMX		
	2. Status		
	3. Lamp on times		
	4. Error Information		
	5. Time Remaining (Hour) : Infinite		
	6. Security Setting 3.0		
	7. Testing Mode		
	Return		

10. Channels

Channel	13 Channel	Value	Function
1	Color	0.....7	Color film 0 (white)
		8.....15	white +red (Semi color)
		16.....23	red
		24.....31	red+ Orange (Semi color)
		32.....39	Orange
		40.....47	Orange +yellow (Semi color)
		48.....55	yellow
		56.....63	yellow+green (Semi color)
		64.....71	green
		72.....79	green+blue
		80.....87	blue
		88.....95	yellow + Warming color film
		96.....103	Warming
		104.....111	Warming +white
		112.....127	Color film 0 (white)
		128.....191	anticlockwise from fast to slow
192.....255	ticlockwise from slow to fast		
2	Shutter	0.....2	Power off
		3.....7	Power on
		8.....97	Shutter from slow to fast
		98.....101	Light off
		102.....126	Open pulse shuttle from fast to slow
		127.....151	Off pulse shutter from fast to slow
		152.....155	Power on
		156.....180	random Open pulse shuttle from fast to slow
		181.....205	Random closed pulse shuttle from fast to slow
		206.....209	Power on
		210.....249	Random shutter from fast to slow
250.....255	Power on		
3	Dimmer	0.....2	Power off
		3.....255	Dimmer
4	Gobo	0.....7	Photo 0 (white)
		8...15	Photo1
		16.....23	Photo2
		24.....31	Photo3
		32.....39	Photo4
		40.....47	Photo5
		48.....55	Photo6
56.....63	Photo 0 (Open)		

		64.....95	anticlockwise
		96.....127	clockwise
		128.....143	Photo 1 shake from slow to fast
		144.....159	Photo 2 move from to fast
		160.....175	Photo 3 move from slow to fast
		176.....191	Photo 4 move from slow to fast
		192.....207	Photo 5 move from slow to fast
		208.....223	Photo 6 move from slow to fast
		224.....255	Photo 0 (open)
5	Gobo Rotation	0.....63	Rotate 360 angle
		64.....127	clockwise from fast to slow
		128.....191	Anticlockwise Rotate
		192.....255	Rotate back and forth
6	Streak1	64.....127	clockwise Rotate from slow to fast
		128.....191	Anticlockwise Rotate from fast to slow
		192.....255	Positive and negative reversal from slow to fast
7	Streak2	64.....127	Positive reversal from slow to fast
		128.....191	Positive and negative reversal from fast to slow
		192.....255	Positive and negative reversal from slow to fast
8	PRISM	0.....127	empty
		128.....255	PRISM
9	PRISM Rot prism rotating	0.....63	prism rotating 0-720dgree
		64.....127	prism Positive from fast to slow
		128.....191	Prism negative reversal from slow to fast
		192.....255	prism Positive and negative reversal from slow to fast
10	focus	0.....255	focus
11	focus ROT	0.....255	Fine Focus
12	zoom	0.....255	Zoom
13	Fine zoom	0.....255	Fine zoom
14	Macro function	0.....31	Streak1+ Streak2
		32.....63	Streak 1+prism +prism rotating
		64.....95	Streak2+ prism + prism rotating
		96.....127	photo+ Streak 二 +prism+ prism rotating
		128.....159

		160.....191
		192.....223
		224.....255
15	function		Reset
		164--191	Auto

11. Trouble Shooting

Listed below are a few common problems that you may encounter, with solutions.

◇ Unit does not work, no light output and the fan does not work;

1. Check the power connection and main fuse.
2. Be sure the voltage of the connector.

◇ Not responding to DMX Control;

1. After connecting the controller, the lamp should be working. If it does not work properly, please check if the signal plug and power cable is connected correctly.
2. If the DMX LED is on and no response to the channel, check the address settings and the polarity of DMX output voltage.
3. If the signal of the product is unstable, please check the input terminal and circuit boards.
4. Try using another DMX controller.
5. Check to see if the DMX cables run near or run alongside to high voltage cable. It may cause damage or interference to DMX interface circuit.

◇ One of the channels is not working:

1. The stepper motor might be damaged or the cable connected to the PCB is broken.
2. The motor's drive IC on the PCB might be out of condition.

12. FIXTURE 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.