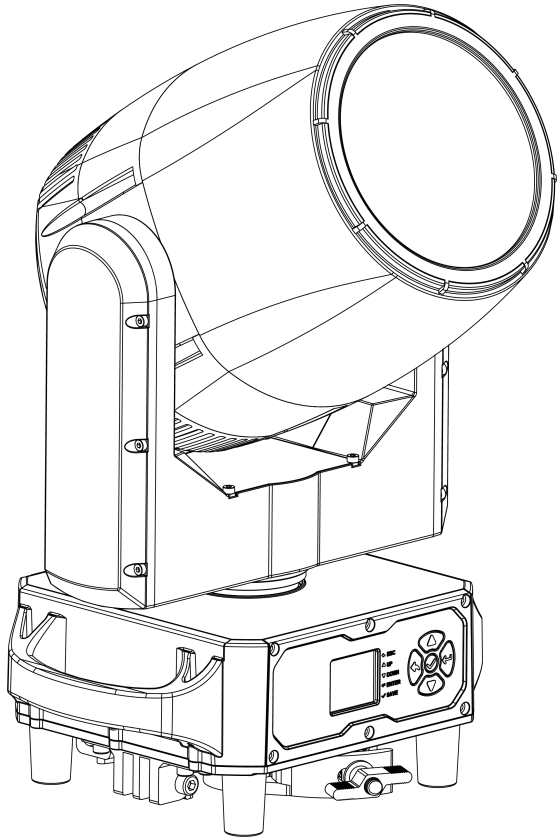
F800

IP65 600W LED Zoom Surface Moving Light



User Manual

Please read manual carefully before use

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Thank you for choosing our LED lights. Each facility has been rigorously tested. Please check whether the facility has been damaged during transportation. If you find any parts are missing or broken, please contact the manufacturer immediately. Please do not return the product without any notice!

1.Safety Instructions



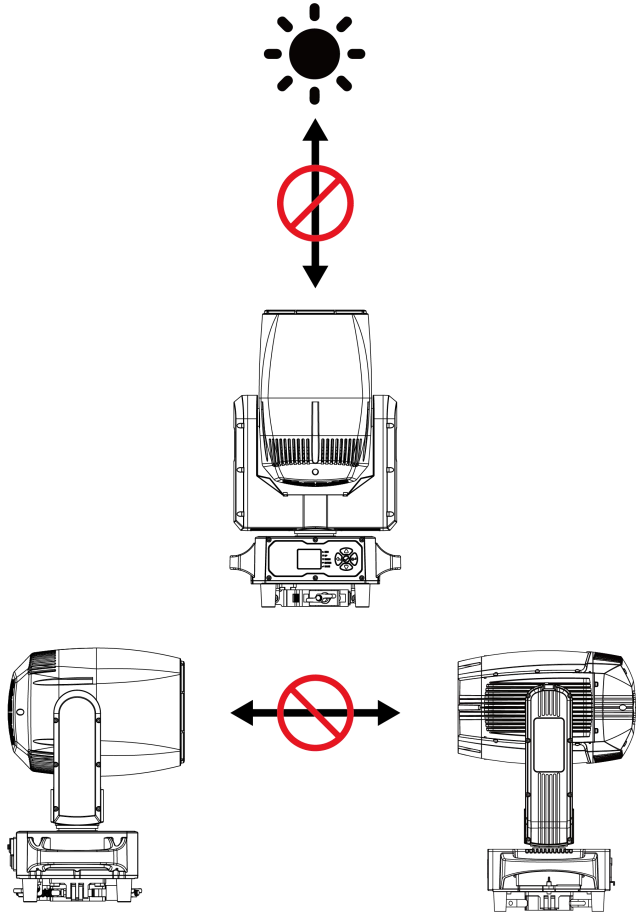
Please read this manual carefully, which includes important information on installation, use and maintenance.

Attention

- Please keep this USER MANUAL for future consultation. If you sell the facility to another user, be sure that they also receive this USER MANUAL.
- Please open and check in details and make sure there is no transportation damage.
- Before operating, ensure that the voltage and frequency of power supply match the power requirements of the facility.
- It's important to ground the yellow/green conductor to earth in order to avoid electric shock.
- The facility must be installed in a location with adequate ventilation, at least 50 cm from adjacent surfaces. Be sure that no ventilation slots are blocked.
- Make sure the power is disconnected before removing the facility.
- Make sure there are no flammable materials close to the unit while operating as it is fire hazard.
- Use safety cable when fixes this facility. Do not handle the facility by taking its head only, but always by taking its base.
- Maximum ambient temperature is 40℃. Do not operate it where the temperature is higher than this.
- Please stop using the facility for serious operating problems. Stop using the facility immediately. Never try to repair the facility by yourself, but be a professional technician. Please contact the supplier's service department

for technical support.

- Do not touch any wire during operation as high voltage might be causing electric shock.
- When the housing or lens is damaged, it must be replaced.
- Direct sunlight or any other strong light source penetrating the lens of the light will cause serious internal damage to the facility. During unpacking, installation, use and long-term outdoor idleness, it is forbidden to expose the lens of the facility to direct sunlight or any other strong light source at any angle. It is forbidden to aim the beam of one light directly at another light.



Caution

There are no accessories available, do not open the housing and try to repair the facilities yourself. Please contact our company for after service.

Installation

The unit should be mounted via its screw holes on the bracket. Always ensure that the unit is firmly fixed to avoid vibration and slipping while operating. And make sure that the structure to which you are attaching the unit is secure and is able to support a weight of 10 times of the unit's weight. Also always use a safety cable that can hold 12 times of the weight of the unit when installing the fixture.

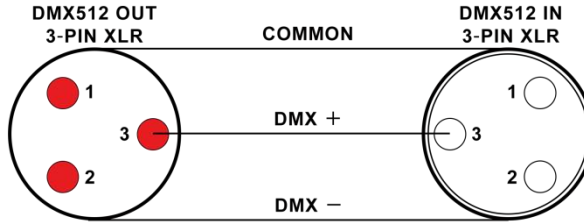
The facility must be installed by professionals, and keep it far away from fire, walking road, and easy touched place.

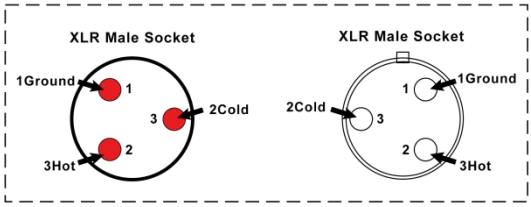
2. Technical Specification

Power	AC100-240V, 50/60Hz	
Power Consumption	650W	
Light Source	600W LED Module	
Beam Angle	10-52°	
Movement	Pan	540°
	Tilt	220°
	Accuracy	16-bit
	Correction	Automatic position correction after step loss
Control	DMX Channel	9/13/16CH
	Control Protocol	DMX512
		RDM
		Art-Net(optional)

		sACN(optional)
	Upgrade	Supports firmware update via DMX
Structure	Display	1.8-inch TFT display
	Data In&Out	3-pin/ 5-pin XLR socket
		RJ45(optional)
	Power	PowerCon in&out
		16Ain&out(optional)
	IP Rated	IP65
Features	0%-100% smooth dimming, 1-25Hz fast strobe	
	Linear CTO 2800K--7000K	
	4 Gamma curves	
	1 fixed color wheel: 7+white	
	Ra≧93	
	Wide and uniform WASH, ideal for stages, theaters, churches, weddings, concerts, and other event venues.	
	Temperature sensor detection with intelligent light source power adjustment and smart fan speed control	
Daisy Chain	4pcs（220V, 50Hz） 2.5mm² cable	
	2pcs（100V, 60Hz） 2.5mm² cable	
Working Temperature	-10℃~45℃	
Installation	Can be inverted suspended, horizontally mounted on truss, or placed on a flat horizontal surface. Always use and install a safety cable as a safety precaution	
Package	Carton 1in1 650*345*435mm G.W.: 17.8Kg	
Dimension	309.4*232*537.5mm	
Weight	Net Weight 14.2KG	

3. DMX Set Up





XLR Pin Configuration
pin 1=Ground
pin 2=Data Compliment (negative)
pin 3=Data true (positive)

Pin1: Ground **pin2: Negative** **pin3: Positive**

DMX Connection

To ensure optimal transmission of DMX data, please connect facilities in the shortest way. The connection order won't affect the DMX address code. For example, if the address code is set to 1, no matter where the facility is connected, its address code will not change. This is determined by the principle of the DMX controller.

Operation method

You can operate in the following three modes:

- Auto mode - the light can automatically complete all color changes
- DMX control mode - each light can be individually controlled by a standard DMX512 console
- Master mode - any light can work as a host in any of the above modes, and the other lights will work synchronously as slaves.

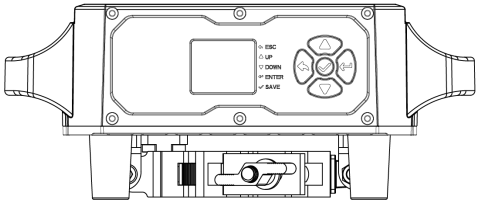
4. Display

There are five buttons on the LED panel: ESC, UP, DOWN, ENTER and SAVE.

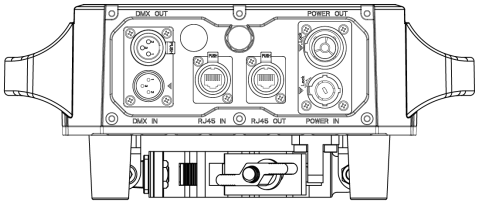
Display


ESC	to exit or back to the previous menu
UP/ DOWN	to navigate through menu options or adjust values
SAVE	to save the adjusted settings/ values and back to the previous menu
ENTER	to enter next menu level.

FRONT VIEW



REAR VIEW



After powering on, the facility will automatically return to the last operation when it was powered off, then get into standby status. For more details, please refer to the information below↓

5. Menu

Main Menu	Sub Menu	Level 3 Menu		Remarks
Menu	1. Pan Degree	1. 540 2. 360		
	2. Mic Sense	001--100		Mic sensitivity
	3. Language	1. English 2. Chinese		
	4. No Signal	1. BlackOut 2. Hold		
	5. Dimming Mode	1. Dimming Mode 1		
		2. Dimming Mode 2		
		3. Dimming Mode 3		
		4. Dimming Mode 4		
		5. Dimming Mode 5		
	6. Gamma Curve	1. Gamma Curve 2.0		
		2. Gamma Curve 2.2		
		3. Gamma Curve 2.4		
		4. Gamma Curve 2.6		
	7. Fan Set	1. Auto 2. Low 3. High		
	8. ArtNet	1.ArtNe tEnable 1. Open 2. Close		
		2.Universe 000-255		
		3. IP Mode	1. 2.X.X.X auto	

Main Menu	Sub Menu	Level 3 Menu		Remarks
			2. 10.X.X.X auto	
			3. Custom	
		4. Custom IP 192.168.000.001		
		5. SubNet Mask 255.000.000.000		
	9. Reset	1. Yes		Reset
		2. No		
	10. Default	1. Yes		Factory default
		2. No		
	11. Adjust	Pass Word： ****		
		1. Pan: 0--255		
		2. Tilt: 0--255		
		3. Focus: 0--255		
		4. ColorWheel: 0--255		
		5. CTO: 0--255		
		6. White: 0--255		
Addr	001--512			Address code 001--512
Rever	1. Pan Invert	1. YES	2. NO	Pan Reverse
	2. Tilt Invert	1. YES	2. NO	Tilt Reverse
	3. Display Invert	1. YES	2. NO	Display Reverse
Inform	1. CH Value			Channel information
	2. Tem**℃			LED board temperature

Main Menu	Sub Menu	Level 3 Menu	Remarks
	3. Soft V1.0	1. 270-DIS-NET-2.1 Soft T**	Firmware version
		1. 3120100167A-MOB1A Soft V**	
		3. 3120100168A-MOB1B Soft V**	
Mode	1. DMX512		Control Mode setting
	2. Auto	1. Master 2. Alone	
	3. Sound	1. Master 2. Alone	
	4. Manual	Master/ Alone	Master/ Alone
		1. Pan: 0--255	Manual control
		2. Tilt: 0--255	
		3. Focus: 0--255	
		4. ColorWheel: 0--255	
		5. CTO: 0--255	
		6. White: 0--255	
		7. Strobe: 0--255	
Channel	1. 9 Channels	9 CH	DMX channel setting
	2. 13 Channels	13 CH	
	3. 16 Channels	16 CH	

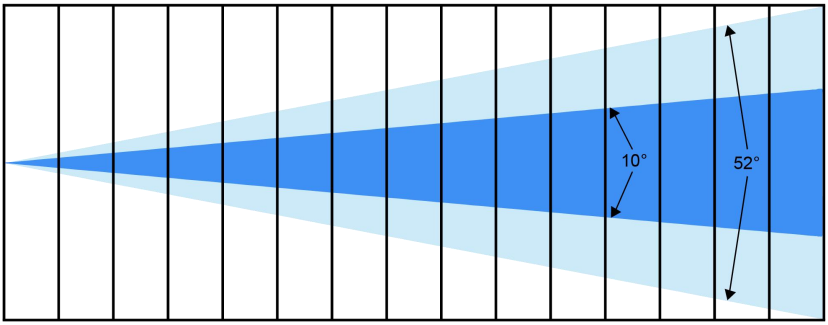
6. LUX Data

BeamAngle=10°

W lux	830079	161513	64962	33140	16164

BeamAngle=52°

W lux	43071	5482	2003	1056	530



Distance(m)	1	3	5	7	10
Spot diameter(m) 10°	0.24	0.52	0.84	1.17	1.68
Spot diameter(m) 52°	1.04	2.60	4.28	5.99	8.56

7. DMX Channel List

▶ 9CH Mode

CH	Function	DMX Value	Remarks
1	Pan	0--255	Pan Control
2	Tilt	0--255	Tilt Control
3	Pan Tilt Speed	0--255	Speed: Fast to Slow
4	Zoom	0--255	Angle: Wide to Narrow
5	Color Wheel	0--79	Linear Color Selection
		80-84	White
		85--89	Red
		90--94	Green

CH	Function	DMX Value	Remarks
		95--99	Blue
		100--104	Yellow
		105--109	Orange
		110--114	Cyan
		115--119	Magenta
		120--184	Color Wheel Rotation Forward (Fast to Slow)
		185--190	stop
		191--255	Color Wheel Rotation Reverse (Slow to Fast)
6	Linear CTO	0--255	From Cool to Warm
7	Dimmer	0--255	Linear dimming from dark to bright
8	Strobe	0--3	Strobe on
		4--203	Strobe Sync: Slow to Fast (1–25 Hz)
		204--255	Random Strobe
9	Functions	Hold 3s to activate the following functions	
		0-29	Reserved channel
		30-39	Gamma2.0
		40-49	Gamma2.2
		50-59	Gamma2.4
		60-69	Gamma2.6
		70-89	Reserved channel
		90-99	Dimming Mode 1
		100-109	Dimming Mode 2
		110-119	Dimming Mode 3
		120-129	Dimming Mode 4
		130-139	Dimming Mode 5
		140-250	Reserved channel
		251--255	Reset

▶ 13CH Mode

CH	Function	DMX Value	Remarks
1	Pan	0--255	Pan Control
2	Pan Fine	0--255	Pan Fine Control
3	Tilt	0--255	Tilt Control
4	Tilt Fine	0--255	Tilt Fine Control
5	Pan Tilt Speed	0--255	Speed: Fast to Slow
6	Zoom	0--255	Angle: Wide to Narrow
7	Color Wheel	0--79	Linear Color Selection
		80-84	White
		85--89	Red
		90--94	Green
		95--99	Blue
		100--104	Yellow
		105--109	Orange
		110--114	Cyan
		115--119	Magenta
		120--184	Color Wheel Rotation Forward (Fast to Slow)
		185--190	stop
		191--255	Color Wheel Rotation Reverse (Slow to Fast)
8	Linear CTO	0--255	From Cool to Warm
9	Dimmer	0--255	Linear dimming from dark to bright
10	Dimmer Fine	0--255	Dimmer Fine Control
11	Strobe	0--3	Strobe on
		4--203	Strobe Sync: Slow to Fast (1–25 Hz)
		204--255	Random Strobe
12	W Dimmer	0--255	Linear dimming from dark to bright

CH	Function	DMX Value	Remarks
13	Functions	Hold 3s to activate the following functions	
		0-29	Reserved channel
		30-39	Gamma2.0
		40-49	Gamma2.2
		50-59	Gamma2.4
		60-69	Gamma2.6
		70-89	Reserved channel
		90-99	Dimming Mode 1
		100-109	Dimming Mode 2
		110-119	Dimming Mode 3
		120-129	Dimming Mode 4
		130-139	Dimming Mode 5
		140-250	Reserved channel
		251--255	Reset

▶ 19CH Mode

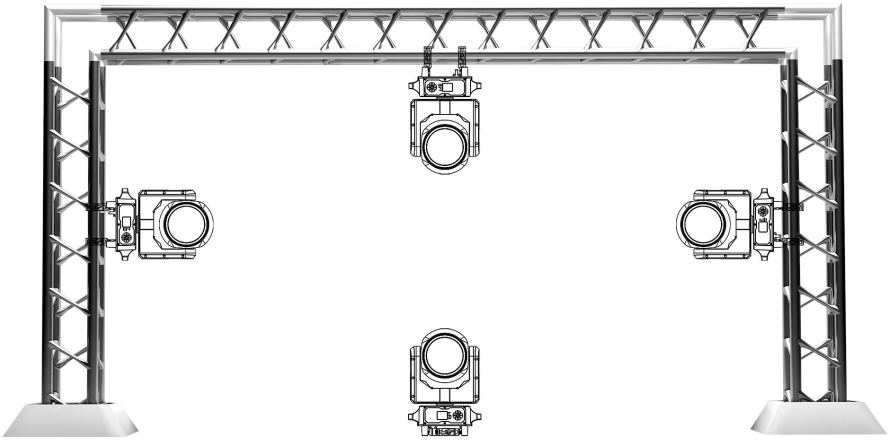
CH	Function	DMX Value	Remarks
1	Pan	0--255	Pan Control
2	Pan Fine	0--255	Pan Fine Control
3	Tilt	0--255	Tilt Control
4	Tilt Fine	0--255	Tilt Fine Control
5	Pan Tilt Speed	0--255	Speed: Fast to Slow
6	Zoom	0--255	Angle: Wide to Narrow
7	Zoom Fine	0--255	Angle: Wide to Narrow
8	Color Wheel	0--79	Linear Color Selection
		80-84	White
		85--89	Red
		90--94	Green
		95--99	Blue
		100--104	Yellow

CH	Function	DMX Value	Remarks
		105--109	Orange
		110--114	Cyan
		115--119	Magenta
		120--184	Color Wheel Rotation Forward (Fast to Slow)
		185--190	stop
		191--255	Color Wheel Rotation Reverse (Slow to Fast)
9	Color Wheel Fine	0--255	16-bit Fine Control
10	Linear CTO	0--255	From Cool to Warm
11	Linear CTO Fine	0--255	From Cool to Warm
12	Dimmer	0--255	Linear dimming from dark to bright
13	Dimmer Fine	0--255	Dimmer Fine
14	Strobe	0--3	Strobe on
		4--203	Strobe Sync: Slow to Fast (1–25 Hz)
		204--255	Random Strobe
15	W Dimmer	0--255	Linear dimming from dark to bright
16	Functions	Hold 3s to activate the following functions	
		0-29	Reserved channel
		30-39	Gamma2.0
		40-49	Gamma2.2
		50-59	Gamma2.4
		60-69	Gamma2.6
		70-89	Reserved channel
		90-99	Dimming Mode 1
		100-109	Dimming Mode 2
		110-119	Dimming Mode 3
		120-129	Dimming Mode 4
		130-139	Dimming Mode 5
		140-250	Reserved channel
		251--255	Reset

8. Mounting

When installing the unit, the trussing or area of installation must be able to hold 10 times the weight without any deformation. When installing the unit must be secured with a secondary safety attachment, e.g. an appropriate safety cable. Never stand directly under the facility while mounting, uninstalling or repairing facilities.

High-altitude mounting requires for extensive experience, including working load limits calculating , installation material, and periodic safety check of installation materials and facilities. If you're lack of mentioned qualifications, do not attempt the installation yourself. These installation should be checked by a skilled person annually.

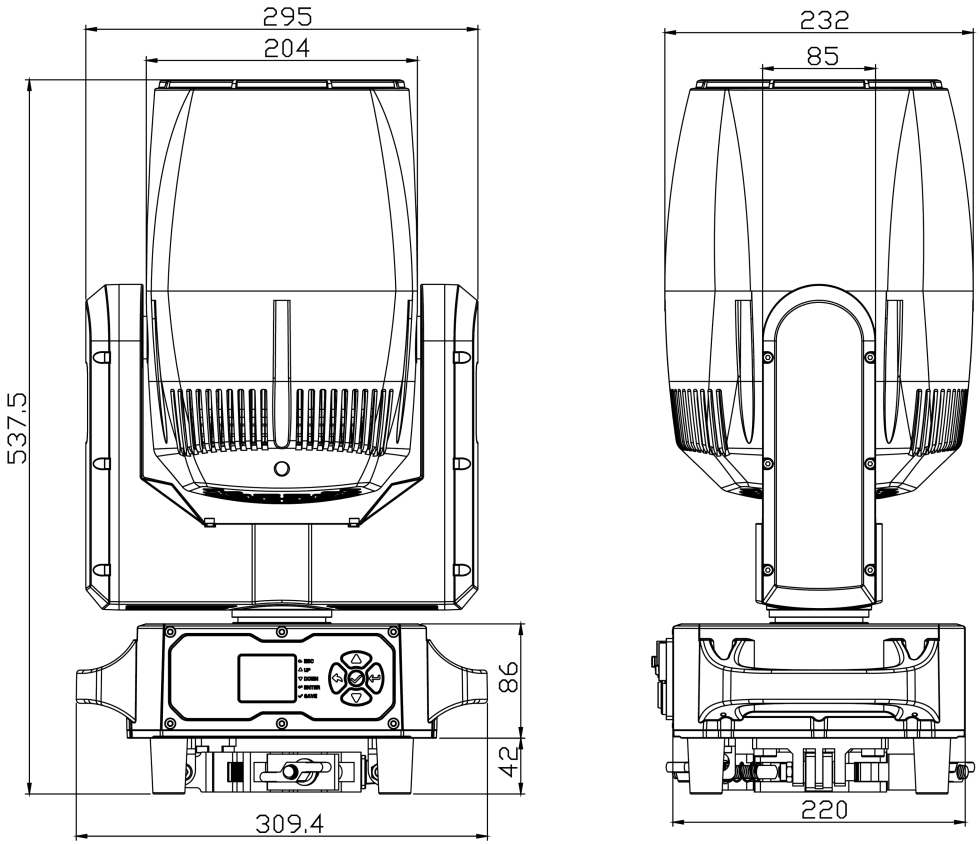


F800 works properly in above different mounting, hanging upside-down from a ceiling, sideways on trussing, or set on smooth horizontal surface. Be sure this facility is at least 12m (40ft) away from flammable materials (decoration etc.).

Always use and install the safety cable to prevent accidental damage or injury from the facility failure. Never use handles for secondary attachment.

NOTICE: The suitable environment temperature of the facility is from -25˚ C to 45˚ C. Do not place this facility in an environment where the temperatures are under or above the temperatures stated. This will help the fixture run at its best and extend the lifetime.

9. Product Size



10. Attention

1. When the facility is powered on, please avoid looking directly at the facility.
2. When assembling/ replacing LEDs, be sure to cut off the main power of facilities before opening the cover upon the LED board.

11. Trouble Shooting

Following are a few common problems that may occur during operation. Here are some suggestions for easy troubleshooting:

A. The unit does not work, no light and the fan does not work

1. Check the status of power connection and fuse.
2. Check the voltage.
3. Check the power indicator.

B. No response to DMX controller

1. If the display screen flashes, check the DMX signal connector and signal line whether the connection is correct.
2. If the display screen does not flash, but no response to channel control, check whether the address code or channel setting is correct.
3. If the DMX signal transmission is intermittent, check if the XLR and DMX cables are in good condition.
4. Try using another controller.
5. Check if the DMX cables is too close to the high-voltage wire, which may damage or interfere with the signal circuit.
6. The facility has not completed the self-check.

C. One of the channels is not working well

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 lens and diffuser should be clean frequently to get better light effect. Wipe frequency according to the environment. Humidity, excessive smoke, and dirty environment will make lens dusty.

- Use soft cloth and special glass cleaner.
- Wipe lens surface at least every 30 days.
- Use vacuum cleaners or air guns to clean the interior structure of the facility, at least twice a year.

⚠Warning:

To avoid the danger of lighting strikes and fire, please do not place the facility in a humid environment. Do not disassemble it without permission, otherwise, the manufacturer will not provide warranty. If the facility fails, please contact the manufacturer first.

Product Warranty Card

Product: IP65 600W LED Zoom Surface Moving Light

Model NO.: F800	Manufacture Date:
User:	Purchase Date:
Manufacturer:	Sales Store:
Address:	ATTN.:
ATTN.:	Phone:
Phone:	

Note: The above blank must be filled in and sealed by the end user or sales point, otherwise no warranty will be provided. (Below please check the warranty period and terms)

Warranty Period: This facility is warranted for 2 years from the date of purchase.

Warranty Terms:

1. Except for man-made damage and natural disasters
2. If the facility fails to function properly during the warranty period, please contact our after service department or our local distributor directly.

1) Fail to present a valid warranty card.
2) Omissions, alterations, and trade sales names on the warranty card.
3) Failures and damage caused by force majeure.
4) Failures and damage caused during transportation and handling.
5) Failures and damage caused by failure to follow the instructions for use.
6) Failures and damage caused by disassembly, repair, and modification of the product without the manufacturer's authorization or by non-professionals.
7) Failures caused by the use of accessories not approved by the factory or not matched by the factory.

▲ Thank you for reading this manual. Please keep it for future reference.