

350W Beam Moving Head

350W Beam Spot Moving Head Light



User manual

Please read the instructions carefully before use

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Statement

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

1. Safety Instructions

Please keep this User Guide for future consultation. If you sell the unit to another user, be sure that they also receive this instruction booklet.

Unpack and check carefully there is no transportation damage before using the unit.

Before operating, ensure that the voltage and frequency of power supply match the power requirements of the unit.

It's important to ground the yellow/green conductor to earth in order to avoid electric shock.

☒ The unit is for indoor use only. Use only in a dry location.

The unit must be installed in a location with adequate ventilation, at least 50cm from adjacent surfaces. Be sure that no ventilation slots are blocked.

Disconnect main power before replacement or servicing.

Make sure there are no flammable materials close to the unit while operating as it is fire hazard.

Use safety cable when fixes this unit. DO NOT handle the unit by taking its head only, but always by taking its base.

Maximum ambient temperature is T_a : 40°C. DO NOT operate it where the temperature is higher than this Unit surface temperature may reach up to 85°C. DO NOT touch the housing bare-hand during its operation. Turn off the power and allow about 15 minutes for the unit to cool down before replacing or serving.

In the event of serious operating problem, stop using the unit immediately. Never try to repair the unit by yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the

nearest authorized technical assistance center. Always use the same type spare parts.

DO NOT touch any wire during operation as high voltage might be causing electric shock.

Warning:

To prevent or reduce the risk of electrical shock or fire, do not expose the unit to rain or moisture.

DO NOT open the unit within five minutes after switching off.

The housing, the lenses, or the ultraviolet filter must be replaced if they are visibly damaged.

Caution:

There are no user serviceable parts inside the unit. DO NOT open the housing or attempt any repairs yourself. In the unlikely event your unit may require service, please contact your nearest dealer.

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 equipment must be fixed by professionals. And it must be fixed at a place where is out of the touch of people.

2. Technical Specifications

Ballast: E-ballast

Light source: YODN 17R 350w

Color temperature: 8500 k

The life of the bulb: 2000 hours

Voltage: AC110-240v

Frequency: 50 /60 hz

Total power: 420 w

Prism: double prism effect, can be half-color effect

Color wheel: 13 kinds of colors + white, can be a color effect

Gobo wheel: double Gobo wheels , a fixed gobo wheel + a rotation glass gobo wheel

Focus: linear focusing

The linear dimming: 0-100% dimmer

Control signal: international standard DMX512

Channel mode: 16/24 channel model

Protection grade: IP20

Lamps and lanterns of size: 640 * 470 * 640 mm

Net weight: 25kgs

3. Menu Operation

On the base of the control panel offers a number of features, such as setting DMX fixture address, switch the lamp, run the test program, the mode selection.

1	DMX Address	001-512	
2	Sys set	DMX Mode	Simple mode 16CH
			Standard mode 24CH
		Pan Inverse	No
			OFF
		Tilt Inverse	No
			OFF
		XY Biackout	No
			OFF
		Run mode	DMX
			Auto
Backlight	60S		
	Always		
Save			
Exit			
3	Manual	Pan	0-255
		Pan Fine	0-255
		Tilt	0-255
		Tilt Fine	0-255
		Pan Tilt Speed	0-255
		function	0-255

		color	0-255
		color Fine	0-255
		Effect Speed	0-255
		Static Gobo	0-255
		Rotating Gobo	0-255
		Rot Gobo	0-255
		Rot Gobo Fine	0-255
		Prism	0-255
		Prism Rot	0-255
		Frost	0-255
		Zoom	0-255
		Zoom Fine	0-255
		Focus	0-255
		Focus Fine	0-255
		Auto Focus	0-255
		Shutter	0-255
		Dimmer	0-255
		Dimmer Fine	0-255
		Exit	
4	Infor		
5	Factory	Passwords 158	
6	Lamp	Lamp Status	OFF
			ON
		Lamp on power	OFF
			ON

		EXIT	
7	Reset	Reset pan&Tilt	
		Reset Effect	
		Reset All	
		EXIT	
8	Disolay	Language	Chinese
			English
		Disolay flip	YES
			NO
		touch calibration	
		EXIT	

4. DMX channel(16/24DMX channels):

Standard mode	Simple mode	DMX Value	Function
1	1	0—255	Pan
2	*	0—255	Pan Low
3	2	0—255	Tilt
4	*	0—255	Tilt Low
5	3	0—255	P/T Speed
6	4		Macro function
		0—19	Reserve
		20—24	230W power
		25-29	350W power
		30-49	Reserve
		50-59	Reserve
		60-69	Reserve
		70-79	P/T Rotate Off Light
		80-89	P/T Rotate On Light
		90-99	Reserve
		100-109	Reserve
		110-119	Reserve
		120-129	Reserve
		130—139	Lamp
		140—149	P/T Reset
		150—189	Effect Reset
190—199	Reserve		
200—209	whole Reset		

		210—229	Reserve
		230—239	Lamp Off
		240—255	Reserve
7	5		Macro Colour
		0-127	Linear Colour
		128-129	white
		130-134	Colour 1
		135-138	Colour 2
		139-143	Colour 3
		144-147	Colour 4
		148-152	Colour 5
		153-157	Colour 6
		158-161	Colour 7
		162-166	Colour 8
		167-171	Colour 9
		172-176	Colour 10
		177-180	Colour 11
		181-185	Colour 12
		186-189	Colour 13
		190-220	FAST ROTATION - SLOW ROTATION
		221-224	STOP
		225-255	SLOW ROTATION - FAST ROTATION
		8	*
9	6		Gobo 1
		0-3	white
		4-9	Gobo 1
		10-15	Gobo 2

	16-21	Gobo 3
	22-27	Gobo 4
	28-33	Gobo 5
	34-39	Gobo 6
	40-45	Gobo 7
	46-51	Gobo 8
	52-57	Gobo 9
	58-63	Gobo 10
	64-69	Gobo 11
	70-75	Gobo 12
	76-81	Gobo 13
	82-87	Gobo 14
	88-95	Gobo 1 Jitter
	96-103	Gobo 2 Jitter
	104-111	Gobo 3 Jitter
	112-119	Gobo 4 Jitter
	120-127	Gobo 5 Jitter
	128-135	Gobo 6 Jitter
	136-143	Gobo 7 Jitter
	144-151	Gobo 8 Jitter
	152-159	Gobo 9 Jitter
	160-167	Gobo 10 Jitter
	168-175	Gobo 11 Jitter
	176-183	Gobo 12 Jitter
	184-191	Gobo 13 Jitter
	192-199	Gobo 14 Jitter
	200-201	white

		202-227	FAST ROTATION - SLOW ROTATION
		228-229	STOP
		230-255	SLOW ROTATION - FAST ROTATION
10	7		Gobo 2
		0	S white
		1-4	L white
		5-8	Gobo 2 -1
		9-12	Gobo 2 -2
		13-16	Gobo 2 -3
		17-20	Gobo 2 -4
		21-24	Gobo 2 -5
		25-28	Gobo 2 -6
		29-32	Gobo 2 -7
		33-36	Gobo 2 -8
		37-40	Gobo 2 -9
		41-48	Gobo 2 -1 Jitter
		49-56	Gobo 2 -2 Jitter
		57-64	Gobo 2 -3 Jitter
		65-72	Gobo 2 -4 Jitter
		73-80	Gobo 2 -5 Jitter
		81-88	Gobo 2 -6 Jitter
		89-96	Gobo 2 -7 Jitter
		97-104	Gobo 2 -8 Jitter
		105-112	Gobo 2 -9 Jitter
		113-119	L white
		120-185	FAST ROTATION - SLOW ROTATION
186-189	STOP		

		190-255	SLOW ROTATION - FAST ROTATION
11	8		Gobo2/Rot
		0-127	Rotation
		128-190	FAST ROTATION - SLOW ROTATION
		191-192	STOP
		193-255	SLOW ROTATION - FAST ROTATION
12	*	0-255	Reserve
13	9		Prism
		0-63	empty
		64-127	Prism-1
		128-191	Prism-2
		192-255	Prism-1/Prism-2
14	10		Prism-1/Rot
		0—127	Rotation
		128—189	FAST ROTATION - SLOW ROTATION
		190—192	STOP
		193—255	SLOW ROTATION - FAST ROTATION
15	11		Prism-2/Rot
		0—127	Rotation
		128—189	FAST ROTATION - SLOW ROTATION
		190—192	STOP
		193—255	SLOW ROTATION - FAST ROTATION
16	12		Frost
		0—64	Reserve
		65—255	Linear Frost
17	13		Zoom

		0—255	Linear Zoom
18	*	0—255	Zoom Fine
19	14	0—255	Focus
20	*	0—255	Zoom Low
21	*	空	Reserve
22	15		Shutter
		0-31	Closed
		32-63	Open
		64-95	SLOW - FAST
		96-127	Open
		128-143	FAST STROBE-SLOW STROBE
		144-159	SLOW STROBE - FAST STROBE
		160-191	Open
		192-223	RANDOM SLOW - FAST
		224-255	Open
23	16		Dimmer
		0—255	Linear Dimmer
24	*		Reserve

5. 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 connection of power and main fuse.
2. Measure the mains voltage on the main connector.
3. Check the power on LED.

B. Not responding to DMX controller

1. DMX LED should be on. If not, check DMX connectors, cables to see if link properly.
2. If the DMX LED is on and no response to the channel, check the address settings and DMX polarity.
3. If you have intermittent DMX signal problems, check the pins on connectors or on PCB of the unit or the previous one.
4. Try to use another DMX controller.
5. Check if the DMX cables run near or run alongside to high voltage cables that may cause damage or interference to DMX interface circuit.

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.

6. 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.