



YELLOWRIVER
MAKE YOUR STAGE TO BE MORE EXCELLENT

295W Moving Head Beam

Model: YR-295B



User Manual

Please read these instructions carefully before use

Notes:

Any damage caused by disregard of this manual does not belong to the scope of warranty, and the manufacturer shall not bear any responsibility for all consequences and problems arising therefrom. Please note that the damage caused by violation of operating procedures does not belong to the scope of warranty.

SPECIFICATION

Rated voltage: AC110V-AC240V, 50Hz~60Hz

Power consumption: 450w

LED source: 290w

Strobe: 1-13 t/s, random strobe ,standard strobe pulse strobe

Color Temperature: 7800k

Color: 14color + white open + semi-color effect

6 colors wheel: 1pcs, multi-color effect with prism

Gobo: 13+white

Frost: 1 frost glass

Scanning angle: X axis 540°, Y axis 260°, photoelectric reset and correction

Prism: 1pcs three- layers honeycomb prism & 1pcs 16-facet prism

Scanning: use three-phased motor, Pan 540°/1.9 seconds, tilt 270° /1.0 seconds, with electronic correction

Beam angle: 1.3°linear focus

Control mode: DMX-512, automatic, master & slave, RDM

Control channel: 16CH/20CH

Display function: touch screen.display content can be inverted, Chinese and English switchable, automatic screen off/long lasting screen on , display the lighting time, fault inspection, the software version information, can restore factory Settings.

Lamp opening mode: automatic/manual/DMX

Safety protection: automatically cut off the power when the body overheats or the system fails

Net weight: 13.5 KG

Size:290*235*495mm



合格证

Certification

产品名称: _____
Item Name

产品型号: _____
Item NO.

检验员: _____
Inspector

检验日期: _____
Inspection Date

执行标准: GB7000 · 217-2008
Implementation Standards

本产品经检验合格, 准予出厂!
This product passed the inspection

广东雅格莱灯光音响有限公司
Guangdong YaGe Lai Lighting & Audio Limited

全国电话: 400-618-4388
Tel:400-618-4388

保修卡

Protection to Fix Card

非常感谢您使用我们的产品

1.本产品从购买日起, 正常操作使用并未经拆修, 经保修人员确认属产品本质问题, 一年内享受保修服务(其中光源为易耗品只享受三个月保修), 在作保正常情况下均提供维修。

2.保修卡应在购买时予填写, 保修卡无本公司保修章无效, 产品维修时请带保修卡。

Very thank you for using our products

1. From the date of purchase, if the product is operated correctly without disassembling and fixing, at the same time, the quality problem was confirmed by our after-sale service department, we will offer maintenance service at any time under any normal situation within one year.

2. The warranty card should be filled in at the time of purchase. The warranty card is invalid without our company's warranty seal. Please bring the warranty card when maintaining the product.

顾客姓名 Customer Name	购买日期 Purchasing Date	产品型号 Product Model	购买商 Customer
保修记录: Warranty record			

广东雅格莱灯光音响有限公司

Guangdong YaGe Lai Lighting & Audio Limited

地址: 肇庆市高新区太旺大道41号肇庆万泽众创空间10
Address: C10, Wanzhezhongchuangspace, No. 41, Dawang Avenue, Daming High-tech Zone, Zhaoqing City, Guangdong Province

5. Installation requirements

1. this product in the use environment, can not have corrosive steam and gas, no inflammable and explosive goods
2. The luminaire shall be at least 5 meters away from the subject,
3. The optical lenses, lenses in use process there can be no outside force bump, if the lens is damaged, need to find relevant professionals to replace the same specifications of the lens;
4. When the power cord damage, must find relevant professional personnel to replace the same specifications before use;
5. When hanging installation, the hanger's loading bear must be at least 3 times greater than the product weight, and strapping on insurance rope, the insurance rope' loading bear must be at least 3 times greater than the product weight.
6. The lens and the light bulb must be used together, when any parts damaged, must find relevant professional personnel change before you can continue to use
7. In the use of environment, must limit the current voltage in the scope of this specification requirements, and have grounding
8. The lamp must be used under the indicated lifespan, after reaching the lifespan, please change the lamp, otherwise the lamp will be easy to deformation or explode and cause dangerous situation.
9. When replacing the lamp, power dump firstly, open the head's plastic cover, and open the fan shelf in the lamp area, then replace with a same specification lamp.

Note: Any damage caused by ignoring this manual is not covered by the warranty. The manufacturer shall not be liable for all consequences and problems arising therefrom. Please note that any damage caused by violation of the operating procedures is not covered by the warranty.

The company reserves the right to amend this product manual without prior notice

1. LCD DISPLAY



2. MENU

2.1 Setting

Option	Description	
Operation mode	DMX	Slave state: receive DMX signal from console or master unit
	Auto 1	Master status: auto runs and send DMX signal to slave
	Auto 2	
	Auto 3	
	Auto 4	
	Run like 8 shape	
	Run like 0 shape	
	Run like vertical 8 shape	
	Run like sleeping 8	
	Stochastic auto	
Sound active		

DMX address	1~512	Press ok to enter the edit state. At this point is to select the 001, press the "up" "down" key to change the address code.Press ok again to select the 01.Press ok again to select the ones bit edit.Press again to exit the edit state
The channel model	Standard 16 ch	Standard 16 ch, Channels 17th~20th are not valid.
	Extended 20 ch	Extended 20 ch, speed controlled by channels 17th~20th (pls check the channel chart)
Pan inversion	close	
	open	
Tilt inversion	close	
	open	
Pan and Tilt exchange	close	
	open	Swapping pan and tilt channel (including fine tuning)
Pan and Tilt encoder	open	Use an encoder (optocoupler) to determine the out-of-step and automatically correct the position
	close	Correct the position without using encoder (optocoupler)
No DMX signal	keep	Continue running in its original state
	reset	Motor reset, stop operation
The screen saver	open	Turn off the backlight after 30 seconds
	close	Backlight are always on
light bulb on after turning on the fixture	close	Reset directly after power on, without bulb on (bulb shall be manually lit by menu or console)
	open	After automatically power on light bulb, and reset after light bulb is on

4.Instructions and remarks



Warning. Electric shock

- 1.Check whether the power supply and voltage are normal before use. If the voltage fluctuates greatly, it is recommended to use voltage stabilizer or voltage regulator.
- 2.This equipment belongs to the first class protection lighting, therefore must put the yellow, the green lines grounding, and by the professional nursing.
 1. Do not touch the shell by hand when the equipment is working.
 2. Due to the equipment use of gas discharge lamp,when the use process is interrupted. The equipment needs to cool naturally for 20 minutes before starting the power again
5. The internal components of the equipment must be purchased from the manufacturer
6. Product power cord must be well grounded.
- 7.use the console, control to avoid the left and right neighbors, without interference source. (example: Wireless intercom, high frequency source, etc.)
- 8.when using this product, only 20 products can be controlled within 20 meters of the same signal line, beyond this range, the signal shall be amplified by signal amplifier, and a terminal lighting shall be welded a resistance of 120 ohm 1/4 w between pin 2 and pin 3 at the DMX output end.

Expansion Channel	17	XY speed	000-255	Speed from fast to slow
	18	The speed of color wheel		
	19	Speed of Dimmer/Prism/frost		
	20	The speed of gobo wheel		

The color wheel varies linearly	open	The color wheel varies linearly
	close	Color wheel is not linearly change, but half color change
Restore default Settings		Press ok to see the confirmation dialog box. Press ok again to restore the default Settings

2.2 Manual control

This interface is used to control the current fixture and automatically enter the master state (DMX signal is not received, and send DMX signal to slave units).

The manual menu displays 16 channels or 20 channels according to the standard 16-channel or extended 20-channel mode set in the settings menu.

Options	Description	
1 ch. Color color	0~255	Press ok to enter the edit state. At this point, press "up" and "down" to change the channel value from 001. Press ok again to change values in the ten edits (01). Press ok again to change values in the ones bit (1). Press again to exit the edit state
...	0~255	
15 ch. Atomization	0~255	
16 CH. Reset		Press "ok" to see the confirmation dialog box. Press "ok" again to enter the reset interface and reset all motors
16 CH. Bulb control	Open	
	Close	
17 CH. Keep	0~255	Display when channel mode is "expand CH20"
18CH. Color wheel speed	0~255	Display when channel mode is "expand CH20"
19 CH. Dimming - prism - atomization speed	0~255	Display when channel mode is "expand CH20"
20CH. Gobo wheel speed	0~255	Display when channel mode is "expand CH20"

2.3 System

Options	Description	
DIS		Present software version
MT		Motor software version
DMX Channel Monitoring	Enter the sub-interface from here, and display the channel value in number and percentage for viewing	
System Error detecting	If the red ERR indicator is on, it means that the operation of the luminaire went wrong, and you can enter the sub-interface for details. After checking, you can press "Clear" to clear the error record.	
Total operation time	Cumulative operation time (accurate to minutes)	
Single operation time	Present operation time (accurate to minutes)	
Total bulb working time	Cumulative bulb working time (accurate to minutes)	
Single bulb working time	Present single bulb working time (accurate to minutes)	

Error Info	Description
MT board connection failed	The motor board did not work. There is a problem with wire connecting the display board and the motor board, or there is a problem with the motor board.
Pan reset failed	Problem may occur on pan photoelectric switch, or pan motor or motor board
reset failed	the pan photoelectric switch or pan motor of the pan has error
Pan hall error	Pan hall has error
Tilt hall error	Tilt hall has error
Color wheel reset failed	color wheel hall or color wheel motor has error

		135- 139 140- 200 201- 255	Fixed gobo 13 shake (from slow to fast) Positive flow effect(from fast to slow) Reverse flow effect(from slow to fast)
5	Prism 1	000-127 128-255	Prism 1 fade Prism 1 slide
6	Prism 1 rotation	000-127 128-190 191-192 193-255	Prism Angle adjustment Reverse rotation (fast to slow) stop Positive rotation (from slow to fast)
7	Prism 2	000-127 128-255	Prism 2 fade Prism 2 slide
8	Prism 2 rotation	000-127 128-190 191-192 193-255	Prism Angle adjustment Reverse rotation (fast to slow) stop Positive rotation (from slow to fast)
9	Zoom	000-255	The gobo sharpness from far to near
10	Pan scan	000-255	Pan 540 degree scan
11	Pan fine	000-255	Pan 1.2 degree fine
12	Tilt scan	000-255	Tilt 270 degree scan
13	Tilt fine	000-255	Tilt 1.2 degree fine
14	Frost&colorful	000-127 128-191 192-255	No use Frost lens slide Colorful lens slide
15	Reset	000-209 210-215 220-225 250-255	No use XY reset All effect motors reset All motors reset
16	Lamp control	000-099 100-105 200-205 250-255	No use Turn off the lamp Turn on the lamp All motor reset

2	Strobe	000-003	Shutter close
		004-103	Strobe from slow to fast
		104-107	shutter open → (controlled by dimming channel)
		108-207	
		208-212	Pulse strobe from slow to fast
		213-251 252-255	shutter on → (controlled by dimming channel) Random strobe from slow to fast shutter on → (controlled by dimming channel)
3	Dimmer	000-255	From dark to light
4	Gobo	000- 004	White
		005- 009	Fixed gobo 1
		010- 014	Fixed gobo 2
		015- 019	Fixed gobo 3
		020- 024	Fixed gobo 4
		025- 029	Fixed gobo 5
		030- 034	Fixed gobo 6
		035- 039	Fixed gobo 7
		040- 044	Fixed gobo 8
		045- 049	Fixed gobo 9
		050- 054	Fixed gobo 10.
		055- 059	Fixed gobo 11.
		060- 064	Fixed gobo 12
		065- 069	Fixed gobo 13
		070- 074	White shake
		075- 079	Fixed gobo 1 shake (from slow to fast)
		080- 084	Fixed gobo 2 shake (from slow to fast)
		085- 089	Fixed gobo 3 shake (from slow to fast)
		090- 094	Fixed gobo 4 shake (from slow to fast)
		095- 099	Fixed gobo 5 shake (from slow to fast)
		100- 104	Fixed gobo 6 shake (from slow to fast)
		105- 109	Fixed gobo 7 shake (from slow to fast)
		110- 114	Fixed gobo 8 shake (from slow to fast)
		115- 119	Fixed gobo 9 shake (from slow to fast)
120- 124	Fixed gobo 10 shake (from slow to fast)		
125- 129	Fixed gobo 11 shake (from slow to fast)		
130- 134	Fixed gobo 12 shake (from slow to fast)		

Gobo wheel reset failed	Gobo wheel hall or gobo motor has error
Focus reset failed	focus hall or focus motor has error
Lamp control failed	Failed to light up or turn off the bulb, there is a problem with the ignitor or bulb

2.4 Advance

A password is set here to prevent non-professionals from operating by mistake. The default password is "up, down,up,down." Press "OK" for password verification

Option		Description
Reset calibration	Pan calibration	Enter sub-menu, reset for Pan/tilt motor can be adjusted to compensate the errors caused by hardware installation. Adjustment range: -128~+127, +0 means no adjustment
	Tilt calibration	
	Color calibration	
	Gobo calibration	
	Focus calibration	
	Dimmer calibration	
	Prism 1 calibration	
	Prism 2 calibration	
Lit bulb time		0-9999 hours, the system defaults to 2000 hours, the system will alert when operating to the maximum lit bulb time
Clear bulb lit time		After that, the record starts from 0
Sensor monitoring	Pan hall	0: Function properly, 1: otherwise
	Tilt hall sensor	0: Function properly, 1: otherwise
	Color hall sensor	0: Function properly, 1: otherwise
	Gobo wheel hall	0: Function properly, 1: otherwise

	sensor	
	Focus hall sensor	0: Function properly, 1: otherwise
	Prism 1 hall sensor	0: Function properly, 1: otherwise
	Prism 2 hall sensor	0: Function properly, 1: otherwise
	Frost hall sensor	0: Function properly, 1: otherwise
	Pan Encoder State	2 figures, each one is corresponding to Photoelectric switch for the encoder involved
	Tilt Encoder State	2 figures, each one is corresponding to Photoelectric switch for the encoder involved
	Pan Encoder Value	The value increases when following original setting and decreases when moving from another direction. It shows the same value when passing a certain place, otherwise error occurs.
	Tilt Encoder Value	The value increases when following original setting and decreases when moving from another direction. It shows the same value when passing a certain place, otherwise error occurs.

3. CHANNEL(16/20CH)

Follow 1-16 when you choose 16CH mode, follow 1-20 ch when you choose 20 CH mode

CH	FUNCTI ON	NUMBE RS	EFFECT
1	Color wheel	000-004	White
		005 -009	White+color 1
		010- 014	Color 1
		015- 019	Color 1+color 2
		020- 024	Color 2
		025- 029	Color 2+color 3
		030- 034	Color 3
		035- 039	Color 3+color 4
		040- 044	Color 4
		045- 049	Color 4+color 5
		050- 054	Color 5
		055- 059	Color 5+color 6
		060- 064	Color 6
		065- 069	Color 6+color 7
		070- 074	Color 7
		075- 079	Color 7+color 8
		080- 084	Color 8
		085- 089	Color 8+color 9
		090- 094	Color 9
		095- 099	Color 9+color 10
100 -104	Color 10		
105 -109	Color 10+color 11		
110 -114	Color 11		
115 -119	Color 11+color 12		
120 -124	Color 12		
125 -129	Color 12+color 13		
130 -134	Color 13		
135 -139	Color 13+white		
140 -200	Positive flow effect(from fast to slow)		
201- 255	Reverse flow effect(from slow to fast)		