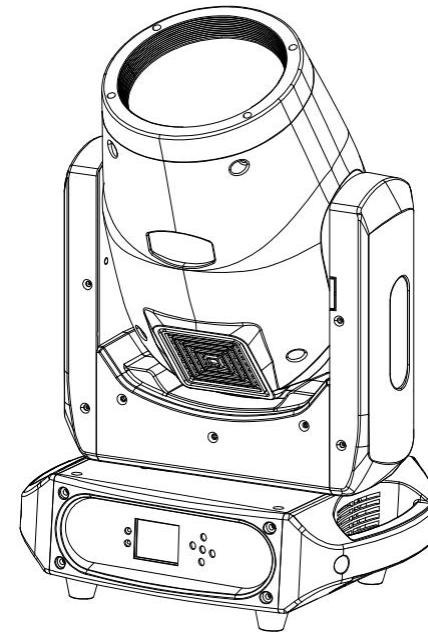




YELLOWRIVER
MAKE YOUR STAGE TO BE MORE EXCELLENT

230W Moving Head Beam

(Model: YR-230BM)



User Manual

Please read these instructions carefully before use

NOTE:

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**Light source parameters:**

Light source: 230W

Average lifespan: 2000 hours

Color temperature: 7000K

Control parameter:

Optical path lens: Combined lens, the light output angle of the whole lamp is 1.3°, which can realize focusing and sharp beam

Strobe: double-chip strobe 1-30 times per second, support pulse strobe + effect strobe + random strobe

Dimming: linear dimming

Control signal: DMX512 (Digital MultipleX 512) + RDM, in line with international standards for lighting control transmission Protocol support console setting address code, support DMX interface upgrade software

Control channel: standard mode 16CH/extended mode 20CH

Operation mode: console, manual, master-slave, optional DMX512 wireless signal control

Light source heat dissipation: 1 turbo blower blows the light bulb accurately + 2 high-power fans convectively draw air, actively dissipating heat, Ensure that the product is more stable.

Color: 1 color wheel: 13 high-gloss coating colors + white light, step-change color, with two-way speed change Flow effect and rainbow Effect

Gobo: 1 metal legend disc: 14 legends + white light, gradually change the legend, with variable speed shaking, double to speed flow effect

Prism: 1 three-layer 8+16+24 prism, which can be rotated independently and has a two-way variable speed rotation effect

Six-color plate: 6 high-gloss coating colors, with the prism can produce six-color prism effect

Frost: 1 independent frost sheet, which can convert the beam into a dyeing effect

Scanning: Pan 540 degrees /1.9S, tilt 270 degrees /1.0S, using photoelectric reset + Hall correction + zero and end point detection of double precise reset, so that positioning more accurate, automatic error correction, automatic return function, using smooth subdivision technology more stable operation

Display function: The screen can be reversed, switch between Chinese and English, automatically off the screen/keep on the screen, can display the bright bubble time, fault detection, software version information, can restore factory Settings

Light bulb opening mode: can set automatic lighting bubble on power-on, manual lighting bubble and console lighting bubble

Life protection: When the strobe is off (that is, the light is closed) for 1 hour, the lamp will automatically bubble out, effectively protect the life of the light source

Over-temperature protection: high sensitivity ceramic temperature control whole-process inspection, can automatically cut off the protection of light source

Working parameters:

Operating voltage: AC100V-240V (50/60HZ)

Rated total power: 400W

Power factor: 0.99

Rated current: 1.82A

Maximum ambient temperature: 40 degrees

Lamp parameters:

Wire: The high pressure part uses high temperature resistant silica gel wire, the weak current part uses 1332 Teflon high temperature wire

Enclosure: high temperature resistant engineering plastic

Display: Touch LCD display +5 mechanical buttons

Power interface: Twist brittle head, one blue (in)



合格证

Certification

产品名称:

产品型号:

检验员:

检验日期:

执行标准: GB7000-217-2008

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, 正常操作使用并未送拆修, 经保修人员确认属产品质量问题, 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. 保修卡应在购买时预填写, 保修卡无本公司保修章无效, 产品维护时请带保修卡。

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 personnel, 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 Manufacturer
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: 肇庆市高新区大旺大道41号肇庆万洋众创城C10
Address: C10, Wanyangchuangcheng, No. 41 Dawang Avenue, Dawang High-tech Zone, Zhaoqing City, Guangdong Province

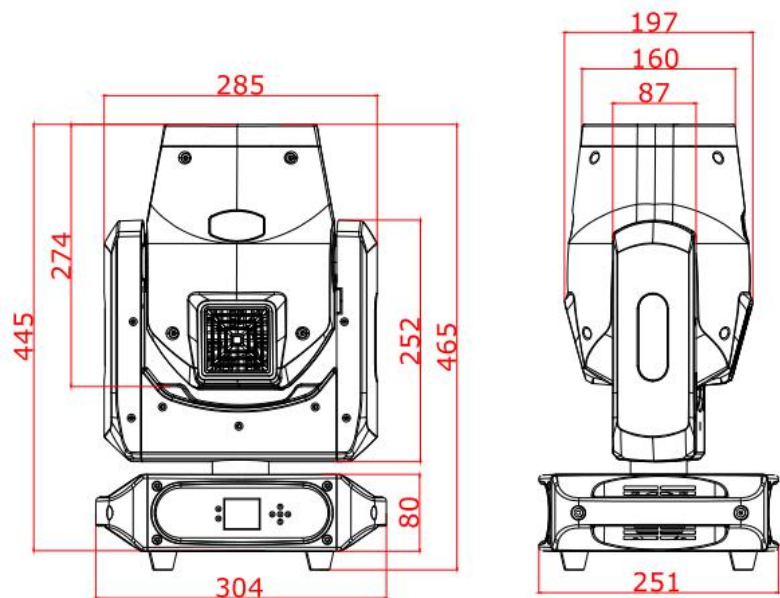
Signal interface: signal socket 3 core male + female, can plug DMX512 wireless signal receiver

Waterproof class: IP20

Net weight: 10.8kg

Relative similar products belong to the lightweight type

1. Lamp size:



2. MENU

2.1 LCD Display



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

Note: Any damage caused by ignoring this manual is not covered by the warranty.

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.

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.

2.2 Setting

Option	Description	
Operation mode	DMX	Slave state: receive DMX signal from console or master unit
	Sound active	Master status: auto runs and send DMX signal to slave
	Auto	
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
Light Bulb	Close	light bulb is off
	Open	light bulb is on
Motor Reset	Close	
	Open	Lighting Resetting
The Channel Model	Standard 16 ch	Standard 16 ch
	Extended 20 ch	Extended 20 ch
Language	Chinese	Chinese
	English	English
Screen flip	Close	Front Display
	Open	Reversed Display
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
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
1 hour light bulb off	Close	
	Open	After the strobe is turned off, the bulb will turn off in 1 hour
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

2.3 System

Options	Description	
DIS		Present software version
MT		Motor software version
DMX Channel Monitoring	DMX Channel Monitoring	Enter the sub-interface from here, and display the channel value in number and percentage for viewing
Time Information	1.Total bulb working time	Cumulative bulb working time(accurate to minutes)
	2.Total operation time	Cumulative operation time (accurate to minutes)

15	Reset	000-250 251-255	Reset Light Reset	
16	Lamp	000-99 100-105 150-155	No use Turn off the lamp Turn on the lamp	
20 CH Mode	17	No use	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		

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.

4		080- 084	Fixed gobo 1 shake (from slow to fast)
		085- 089	Fixed gobo 2 shake (from slow to fast)
		090- 094	Fixed gobo 3 shake (from slow to fast)
		095- 099	Fixed gobo 4 shake (from slow to fast)
		100- 104	Fixed gobo 5 shake (from slow to fast)
		105- 109	Fixed gobo 6 shake (from slow to fast)
		110- 114	Fixed gobo 7 shake (from slow to fast)
		115- 119	Fixed gobo 8 shake (from slow to fast)
		120- 124	Fixed gobo 9 shake (from slow to fast)
		125- 129	Fixed gobo 10 shake (from slow to fast)
		130- 134	Fixed gobo 11 shake (from slow to fast)
		135- 139	Fixed gobo 12 shake (from slow to fast)
		140-144	Fixed gobo 13 shake (from slow to fast)
		144-149	Fixed gobo 14 shake (from slow to fast)
		150-199	Positive flow effect(from fast to slow)
		200-255	Reverse flow effect(from slow to fast)
5	Prism	000-127 128-255	Prism fade Prism slide
6	Prism rotation	000-127 128-192 193-255	Prism Angle adjustment Reverse rotation (from fast to slow) Positive rotation (from slow to fast)
7	Marco Function	000-255	Color Prism Slide
8	Frost&colorful	000-127 128-191 192-255	White Colorful lens slide Frost lens slide
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	XY Speed	000-255	From fast to slow

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.
Speed of blower		Displays the current blower speed
Hall State	0000000	0 when magnetic is detected, 1 otherwise
Pan Encoder Value	0000	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	0000	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.
Permission Duration		9999 No encryption; Other values can be used at a time with encryption

2.4 Error info description

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
Tilt reset failed	Problem may occur on tile photoelectric switch, or tile motor or motor board
Pan hall	Pan hall has error
Tilt hall	Tilt hall has error
Color wheel reset failed	color wheel hall or color wheel motor has error

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

3. CHANNEL(16/20CH)

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

1	Color wheel	000-004	White
		005-009	White+color 1 red
		010- 014	Color 1 red
		015- 019	Color 1 red +color2 yellow
		020- 024	Color 2 yellow
		025- 029	Color 2 yellow + Color 3 blue
		030- 034	Color 3 blue
		035- 039	Color 3 blue +Color 4 green
		040- 044	Color 4 green
		045- 049	Color 4 green +Color 5 orange
		050- 054	Color 5 orange
		055- 059	Color 5 orange +Color 6 purple
		060- 064	Color 6 purple
		065- 069	Color 6 purple+Color 7 rose red
		070- 074	Color 7 rose red
		075- 079	Color 7 rose red+Color 8 light yellow
		080- 084	Color 8 light yellow
		085- 089	Color 8 light yellow+Color 9 light blue
		090- 094	Color 9 light blue
		095- 099	Color9 light blue+Color10yellow-green
		100 -104	Color 10 yellow-green
		105 -109	Color10yellow-green+Color11orange-red
		110 -114	Color 11 orange-red
		115 -119	Color 11 orange-red+Color 12 tan

		120 -124	Color 12 tan
		125 -129	Color 12 tan+Color 13 CTB
		130 -134	Color 13 CTB
		135 -139	Color 13 CTB+ white light
		140 -200	Positive flow effect(from fast to slow)
		201- 255	Reverse flow effect(from slow to fast)
2	Strobe	000-003	Shutter close
		004-103	Strobe from slow to fast
		104-107	shutter open → (controlled by dimming channel)
		108-207	Pulse strobe from slow to fast
		208-212	shutter on → (controlled by dimming channel)
		213-251	Random strobe from slow to fast
		252-255	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	Fixed gobo 14
		075- 079	White shake