



YELLOWRIVER
MAKE YOUR STAGE TO BE MORE EXCELLENT

250W BSW led moving head light (Model: YR-250BSW)



User Manual

Please read these instructions carefully before use

Attention:

Any damage caused by disregard of this manual is not covered by the warranty. The manufacturer does not assume any responsibility for any consequences and problems caused by disregard of this manual. Please note that the damage caused by violation of the operating rules is not covered by the warranty.

Technical indicators:**The light source parameters:**

Power Source: 250W

Service life: 20000 hours

CCT: 8000K

Control parameter:

Beam Angel: 5~32 degrees

Strobe: Double-shutter strobe 1~30t/s, Support pulse strobe + effect strobe + standard strobe

Dimmer: 0-100%

Control Signal: DMX512+RDM, Comply with international standard lighting control transmission protocol, support console setting address code, support DMX interface to upgrade software.

Control Channel: 17CH

Control mode: DMX512/Manual/Master&Slave

Cooling System: 2pcs big power Fan, Active cooling

Color: 1 color wheel: 9 colors + white, with semi-color effect

Gobo: 1 metal gobo wheel: 8 gobos + white, with shaking, flowing effect

1 glass gobo wheel: 7 gobos + white, with shaking, flowing effect

Prism: 1pc 8 facet prism, rotate forward and backwards

Frost: 1 independent atomizing glass

Scanning: pan movement 540 degrees 1.8S/cycle, tilt movement 270

degrees 0.9S/cycle, three-phase motor, double-precision reset with

photoelectric reset + Hall correction, making the positioning more accurate,

and automatic error correction, with automatic return function

Display function: LCD screen, reversible screen, Chinese-English switchable, it can display the working time of lighting, fault detection and control, and can be restored to factory settings

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

Working parameters:

Operating voltage: AC100V~240V, 50/60hz

Power: 380W

Power factor: 0.99

Working temperature: under 40 °C

Light parameters:

Wire: high temperature resistant silicone wire is used for high voltage part, 1332 Teflon high temperature wire is used for weak current part

Shell: heat-resisting engineering plastic

Display: LCD display + 5 mechanical buttons

Power interface: PowerCon, one in (blue) and one out (white)

Signal interface: 3 pin(male+female)

Waterproof grade: IP20

Net weight: 13KG

Size:30*21*53cm

Menu:

1. Menu Description:

Settings:

options	instructions	
operation mode	DMX	Slave state: receiving DMX signal from console or host
	Auto mode	Host state: self-powered and sends DMX signal to slave
	Sound active mode	
DMX address	1~512	Press "OK" to enter editing mode. At this time, select hundreds place and press the "up" and "Down" keys to change the address code. Press OK again to select the ten place edit. Press "OK" again to select the bits to edit. Press again to exit the edit mode
The motor is reset	close	
	open	Light reset
The channel model	Standard 17 ch	Standard 17 channel mode
language	Chinese	Set the interface to Chinese
	English	Set the interface to English
Screen rotation	close	Positive display
	open	The screen is displayed inversely
X inversion	close	
	open	
Y inversion	close	
	open	





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大质量问题, 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. 保修卡应在购买时予填写, 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 staff, 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, Bopuwanhuangcheng, No. 41 Dawang Avenue, Dawang High-tech Zone, Zhaoqing City, Guangdong Province

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5. Installation requirement

1. The product shall be free from corrosive vapors and gases in the operating environment and shall not contain inflammable and explosive articles.
2. Keep the distance between the light outlet direction and the subject at least more than 3 meters.
3. The direction of the light is an optical lens. No external force can hit the glass in the process of operation. If the lens is damaged, it can only be used after the professional technician replacing the lens of the same specifications .
4. When the outer cover of the power cord is damaged, it must be replaced with a new power cord of the same specification by relevant professional personnel before use.
5. When the product is hung and installed, the load bearing of the hanging device shall be at least 3 times greater than the weight of the product, and the safety rope shall be fastened on the auxiliary hanging device of the lamp, and the load bearing of the safety rope shall be more than 3 times greater than the weight of the product.
6. The lens and light source of this product must be fully used together. When any part is damaged, it shall be replaced by relevant professional personnel before it can be used again.
7. In the operating environment, it must be determined that the current voltage provided is within the range required by this specification Well grounded.
8. When changing the light source, disconnect the power first, open the head plastic cover, and open the bracket of the light source area, and change the light source with the same specification .

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

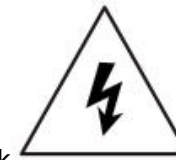
XY exchange	close	
	open	Swap XY axis channels (including fine tuning)
XY encoder	open	Use an encoder (optocoupler) to determine out-of-step and automatically correct position
	close	No encoder (optocoupler) is used to correct position
DMX signal	keep	Continue running as before
	reset	Motor back, stop running
Bulb off when low fan working speed	open	If the speed of the fan is too low, bulb will automatically be off
	close	If the speed of the fan is too low, bulb will not be automatically off
Switch on light and turn on bulb	close	Directly reset after power on, bulb off (need to use menu or console to turn on bulb)
	open	After power on light , the bulb is also powered on, reset after the bulb successfully lights up
Color wheel changes linearly	open	Color wheel changes linearly
	close	Color wheel nonlinear change, half-color change
Restore default Settings		Press OK to see the confirmation dialog box. Press OK again to restore the default Settings

2. Information:

options	instructions	
DIS		Display board software version
MT		Motor board software version
Time	Total bulb	0.0

information	lighting time	
	Total using time	0.0
System error		If the red ERR indicator lights up, it indicates that the lamp is running wrong. Details can be viewed in the sub-interface. After viewing, you can press the "Clear" button to clear error records
Hall state	0000000	when magnetic is detected,0, otherwise 1
Steps of X encoding disk	0000	In the clockwise direction, the steps should increase, in the anti-clockwise direction, the steps should decrease. It should be same numbers every time when you turn into same point
Steps of Y encoding disk	0000	In the clockwise direction, the steps should increase, in the anti-clockwise direction, the steps should decrease. It should be same numbers every time when you turn into same point
Valid time	9999	9999 means no password and can be always used

4.Instructions and remarks



Warning. Electric shock

The light source inside this lamp should be replaced by our company or our service agent or person with similar qualification

- 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.The equipment belongs to the first-level protective lamps. The power cord of the product must be grounded and well grounded when used
- 3.This equipment shell temperature around 40 to 60 °C while work, do not touch the shell
- 4.The internal components of the equipment must be purchased from the manufacturer
5. Use the console control as far as possible avoid neighbors have interference sources (example: wireless walkie-talkie, high frequency source, etc.)
6. When using this product, the same signal lines within 20 meters maximum control 20 sets of the same products, beyond this range should be an additional signal amplification devices amplify the signal to use
7. Light source in use, must be controlled within the indicated the use time of light source, out of timer, please change the lamp;

Common error messages	instructions
MT board connection failed.	Motor board is not responding. The connection of display board and motor board is faulty, or the motor board is faulty.
The X reset failed	X photoelectric switch, or X motor or motor board failed
The Y reset failed	Y photoelectric switch, or Y motor or motor board failed

10	Rotated gobo wheel	140-149 150-200 201-255	Gobo 7 shaking(from slow to fast) Forward flow (from fast to slow) Reverse flow (from slow to fast)
11	Gobo rotate	000-127 128-191 192-255	Angle adjustment Clockwise rotate from fast to slow Anti clockwise rotate from slow to fast
12	Prism	000-127 128-255	Prism out Prism in
13	Prism rotating	000-063 064-128 129-194 195-255	Adjustment of prism angle Anti-clockwise rotate from fast to slow clockwise rotate from slow to fast Anti-clockwise+ clockwise rotate from slow to fast
14	Zoom	000-255	Gobo from small to big
15	Focusing	000-255	Sharpness From far to near
16	Frost	000-127 128-255	Frost glass in Frost glass out
17	Reset	000-249 250-255	N/A Reset

Online description of master-slave mode

Set one of the machines as the host, select self-running, set the other machines as the slave, and the slave machines as the DMX address code 001 state, connect the signal line. At this time, the slave machines accept the host control, and the functions are synchronized with the current functions of the host.

X Hall error	X Hall, or motor PCB failed
Y Hall error	Y Hall, or motor PCB failed
Reset of color wheel failed	Hall of color wheel, or motor of color wheel failed
Reset of gobo wheel failed	Hall of gobo wheel, or motor of gobo wheel failed
Focus reset failed	There is a problem with the focusing hall or the focusing motor
Bulb control failure	Bulb on/off failed,bubble. Ignitor or bulb is faulty

3. DMX512 channel:

CH	Function	Number	Description
1	X	000-255	Horizontal scan 540 degrees
2	X fine-tuning	000-255	1.2 degrees Horizontal scan fine tuning
3	Y	000-255	Vertical 270 degree scan
4	Y fine-tuning	000-255	1.2 degrees vertical fine tuning
5	XY speed	000-255	From fast to slow
6	The dimmer	000-255	From dark to bright
7	stroboscopic	000-003 004-250 251-255	Shutter close From fast to slow Shutter open(dimmer CH control)
8	Color wheel	000-004 005-009 010-014 015-019 020-024 025-029	White color White + color 1 Color 1 Color 1 plus color 2 Color 2 Color 2 plus color 3

		030-034 035-039 040-044 045-049	The color of 3 Color 3 plus color 4 Color 4 Color 4 plus color 5
		050-054 055-059 060-064 065-069 070-074 075-079 080-084 085-089 090-094 095-099 100-200 201- 255	Color 5 Color 5 plus color 6 Color 6 Color 6 plus color 7 Color 7 Color 7 plus color 8 Color 8 Color 8 plus color 9 Color 9 Color 9+ white light Forward flow (from fast to slow) Reverse flow (from slow to fast)
		050-054 055-059 060-064 065-069 070-074 075-079 080-084 085-089 090-094 095-099 100-200 201- 255	Color 5 Color 5 plus color 6 Color 6 Color 6 plus color 7 Seven colors Color 7 plus color 8 Color 8 Color 8 plus color 9 Color 9 Color 9+ white light Forward flow (from fast to slow) Reverse flow (from slow to fast)
9	Fixed gobo wheel	000-004 005-009 010-014 015-019	White Gobo 1 Gobo 2 Gobo 3

9	Fixed gobo wheel	020-024 025-029 030-034 035-039 040-044 045-049 050-054 055-059 060-064 065-069 070-074 075-079 080-084 085-089 090-095 096-200 201-255	Gobo 4 Gobo 5 Gobo 6 Gobo 7 Gobo 8 White White shaking Gobo 1 (from slow to fast) Gobo 2 shaking(from slow to fast) Gobo 3 shaking(from slow to fast) Gobo 4 shaking(from slow to fast) Gobo 5 shaking(from slow to fast) Gobo 6 shaking(from slow to fast) Gobo 7 shaking(from slow to fast) Gobo 8 shaking(from slow to fast) Forward flow (from fast to slow) Reverse flow (from slow to fast)
10	Rotated gobo wheel	000-009 010-019 020-029 030-039 040-049 050-059 060-069 070-079 080-089 090-099 100-109 110-119 120-129 130-139	White Gobo 1 Gobo 2 Gobo 3 Gobo 4 Gobo 5 Gobo 6 Gobo 7 Gobo 1 (from slow to fast) Gobo 2 shaking(from slow to fast) Gobo 3 shaking(from slow to fast) Gobo 4 shaking(from slow to fast) Gobo 5 shaking(from slow to fast) Gobo 6 shaking(from slow to fast)

