



YELLOWRIVER
MAKE YOUR STAGE TO BE MORE EXCELLENT

300W LED moving head light (with ring) **(Model: YR-300BSWH)**



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.

Qualification :**Light source parameters:**

Light source: 300W

Average life: 20000 hours

Color temperature: 8000K

Controlling parameter:

Beam Angle: 4°--35°

Strobe: Electronic strobe, with a rate of 1-30 times per second, supports pulse strobe, effect strobe, and standard strobe.

Dimming I: Linear dimming.

Control signals: DMX512 (Digital Multiple X 512) + RDM, which complies with international lighting control transmission protocols. Supports address code settings on the control panel and DMX interface upgrade software.

Control channels: 25 channels.

Operation modes: DMX512, manual, master-slave.

Color: One color disk with 9 colors + white light, featuring a double rainbow effect.

Gobo: One metal gobo disk with 8gobo + white light, featuring shaking and flowing effects.

One glass gobo disk with 7 gobo + white light, featuring shaking and flowing effects. Halo: RGB + rainbow mixing effect.

Prism: 1 pcs 8 prism that can rotate in both directions.

Atomization : 1 independent atomization plate.

Scanning: 540 degrees horizontally at 1.8 seconds per cycle, and 270 degrees vertically at 0.9 seconds per cycle. The system uses a three-phase motor with magnetic encoding and Hall correction for dual-precision reset, ensuring precise positioning. It also

features automatic error correction and an automatic reset function.

Display: An LCD screen that can be inverted and switch between Chinese and English. It displays bubble time, fault detection and control, and allows for factory settings to be restored

Fan and heat dissipation: copper tube heat conduction technology + 4 intelligent fans (40 degree fan start)

Heat dissipation mode: standard mode/low noise mode

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

Working Parameters:

Operating Voltage: AC 100V-240V (50/60Hz)

Rated Total Power: 400W

Power Factor: 0.99

Maximum Ambient Temperature: 40°C

Lighting Parameters:

Wire: High-voltage sections use high-temperature resistant silicone wire, while the low-voltage sections use 1332 Teflon high-temperature wire.

Shell: High-temperature resistant engineering plastic.

Display: LCD screen with 5 mechanical buttons.

Power Interface: Power Con., one blue (input) and one white (output).

Signal Interface: 3-pin male-female socket for DMX512 wireless signal receivers.

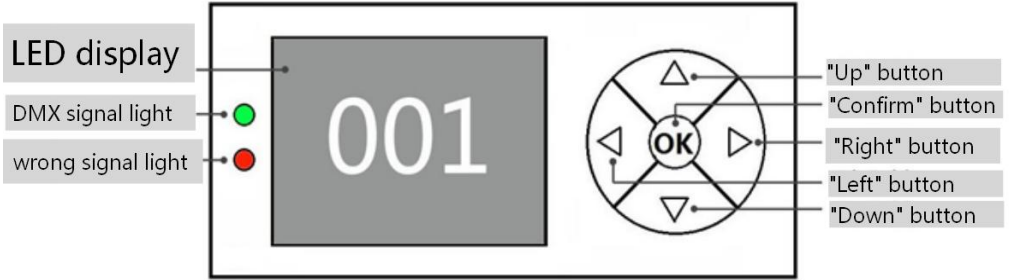
Waterproof class: IP20.

Net Weight: 13KG.

Size: 30*21*53cm

1.Menu:

1.1 Main panel:



1.2 Menu description:

Set up:

set up	Run	DMX/Auto/voice control
	DMX address	001-255
	Motor reset	on/off
	Channel	25CH
	Language	Chinese/English
	Screen flips	On/off
	Cooling mode	Standard / low noise
	X reversal	On/off
	Y reversal	On/off
	XY exchange	On/off
	XY encoder	On/off
	DMX signal	Remove / maintain
	Color linear	On/off
	Restore default	Confirm/cancel
manual operation	Consistent with the channel table.....(000-255)	
Information	Ver	T- - - -
	DIS	V- - - -
	MT	V- - - -

	Temporal information	Total bubble lighting time: - - - -
		Total usage time: - - - -
	System mistake
	Blower speed	0
	Hall state	- - - -
	X coding step value	- - - -
	Y coding step value	- - - -
	Duration of permission	- - - -

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.
X axle reset failed	Problem may occur on X axle photoelectric switch, or X axle motor or motor board
Y axle reset failed	Problem may occur on Y axle photoelectric switch, or Y axle motor or motor board
X axle hall error	X axle hall or motor board has error
Y axle hall error	Y axle hall or motor board 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

Factory: zero point adjustment and stroke adjustment for factory lighting!

2. DMX512 channel:

CH	Function	Value	Description
1	x-axis	000-255	Level 540 degree scan
2	X-axis fine-tuning	000-255	Level fine-tuning
3	Y axle	000-255	Vertical 270-degree scan
4	Y-axis fine-tuning	000-255	Vertical fine-tuning
5	XY speed	000-255	From fast to slow
6	Dimming	000-255	From dark to light
7	Strobe	000-003 004-251 252-255	No → (controlled by dimming channel) strobe from slow to fast No → (controlled by dimming channel)
8	Color	000-004 005-009 010-014 015-019 020-024 025-029 030-034 035-039 040-044 045-049 050-054 055-059 060-064 065-069 070-074 075-079 080-084 085-089 090-094	White Light White Light + Color 1 Red, Color 1 Red, Color 1 Red + Color 2 Yellow, Color 2 Yellow, Color 2 Yellow + Color 3 Blue, Color 3 Blue, Color 3 Blue + Color 4 Green, Color 4 Green, Color 4 Green + Color 5 Pink, Color 5 Pink, Color 5 Pink + Color 6 Turquoise, Color 6 Turquoise, Color 6 Turquoise + Color 7 Light Blue Color 7 Light Blue, Color 7 Light Blue + Color 8 Orange, Color 8 Orange, Color 8 Orange + Color 9 Rose Red, Color 9 Rose Red,

		095-099 100-200 201- 255	Color 9 Rose Red + White Light Forward Flow (from fast to slow) Reverse Flow (from slow to fast)
9	Gobo	000-004 005-009 010-014 015-019 020-024 025-029 030-034 035-039 040-044 045-049 050-054 055-059 060-064 065-069 070-074 075-079 080-084 085-089 090-094 095-099 100-200 201-255	White Light Small White Light Medium White Light Fixed gobo 1 Fixed gobo 2 Fixed gobo 3 Fixed gobo 4 Fixed gobo 5 Fixed gobo 6 Large White Light White Light shake (from slow to fast) Small White Light shake (from slow to fast) Medium White Light shake (from slow to fast) Fixed gobo 1 shaking (from slow to fast) Fixed gobo 2 shaking (from slow to fast) Fixed gobo 3 shaking (from slow to fast) Fixed gobo 4 shaking (from slow to fast) Fixed gobo 5 shaking (from slow to fast) Fixed gobo 6 shaking (from slow to fast) Large White Light shaking (from slow to fast) Forward Flow (from fast to slow) Reverse Flow (from slow to fast)
10	Moving gobo	000-009 010-019 020-029 030-039 040-049 050-059	White Light Gobo 1 Gobo 2 Gobo 3 Gobo 4 Gobo 5

		060-069 070-079 080-089 090-099 100-109 110-119 120-129 130-139 140-149 150-200 201-255	Gobo 6 Gobo 7 Gobo 1: Shaking (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) Forward Flow (from fast to slow) Reverse Flow (from slow to fast)
11	Moving gobo rotation	000-127 128-191 192-255	Angle adjustment Forward rotation from fast to slow Reverse rotation from slow to fast
12	Prism	000-127 128-255	Prism pops up Prism cuts in
13	Prism rotation	000-063 064-128 129-194 195-255	Prism Angle Adjustment Forward rotation (from fast to slow) Reverse rotation (from slow to fast) Prism forward and reverse rotation (from slow to fast)
14	Zoom	000-255	Gobo from small to big
15	Focus	000-255	Clarity from far to near
16	Atomization	000-127 128-255	Atomization cutout Atomization cut in
17	Reset	000-250 251-255	None Reset
18	Light ring dimming	000-255	Light ring total dimming , from dark to light
19	Light ring strobe	000-003 004-103 104-107 108-207 208-212	Constant light Standard strobe from slow to fast Constant light Average strobe from slow to fast Constant light

		213-251 252-255	Thunderstorm strobe Constant light
20	Light ring red	000-255	From dark to light
21	Light ring green	000-255	From dark to light
22	Light ring blue	000-255	From dark to light
23	Light ring mixing color	000-009 010-255	None Mixing colors
24	Light ring scene	000-014 015-224 225-239 240-255	None Flowing scene Jump scene Gradient scene
25	Light ring scene speed	000-127 128-255	From slow to fast clockwise From fast to slow counterclockwise

3. Explanation of master-slave mode online

Set one of the machines as the master and select auto mode. Set the other machine as the slave machine and set the slave machine to DMX address code 001 state. Connect the signal line. At this time, the slave machine receives the control of the master and synchronizes its function with the current function of the master.

4. Instructions and remarks for use



Warning, danger of electric shock

If the light source in this lamp needs to be replaced, it should be replaced by our company or our service agent or someone with similar qualifications.

1. Before use, check if the power supply and voltage are normal. In areas with significant voltage fluctuations, it is recommended to use a voltage stabilizer or

regulator.

2. This device is classified as a first-class protected lamps. When using the product, ensure that the power cord is properly grounded.
3. The casing temperature of this device should be between 40-60°C during operation; avoid touching the casing with your hands.
4. All internal components of this device must be purchased from the manufacturer.
5. When controlling the device using the control panel, try to avoid interference sources on either side (e.g., wireless two-way radios, high-frequency emission sources, etc.).
6. When using this product, within 20 meters of the same signal line, you can control a maximum of 20 units of the same product. If this limit is exceeded, additional signal amplification equipment must be added to amplify the signal for use.
7. During use, the light source must be controlled within the time frame specified by the manufacturer. After reaching the usage time, replace the light source promptly to ensure it remains functional.
8. When replacing the light source, disconnect the power first, open the casing and the light source bracket, and replace the light source with one of the same specifications.

5.Installation requirements:

1. In the use environment of this product, there should be no corrosive steam and gas, and no inflammable and explosive articles.
2. The distance between the light hole direction of the lamp and the illuminated object should be at least 3 meters.
3. The light source of the lamp is an optical lens, and during use, avoid any external impact to the glass. If the lens is damaged, it must be replaced with a lens of the same specification by a professional before use.
4. If the outer sheath of the power cord is damaged, a new power cord of the same specification must be replaced by a professional before use.
5. When installing the product, the load-bearing capacity of the hanging components must be at least three times the weight of the product, and a safety rope must be attached to the auxiliary hanging device of the lamp, with the

load-bearing capacity of the safety rope also being at least three times the weight of the product.

6. The lens and light source of this product must be used together as a complete unit; if any part is damaged, it must be replaced by a professional before use.

7. In the usage environment, ensure that the provided current and voltage are within the range specified in this manual, and that there is good grounding.

The company reserves the right to modify this product specification without prior notice.



合格证

Certificate

产品名称: _____

Product Name

产品型号: _____

Product Model

检验员: _____

Inspector

检验日期: _____

Inspection Date

执行标准: GB7000-217-2008

Execution Standard: GB7000-217-2008

本产品经检验合格,准予出厂。
This product has been inspected and qualified for shipment.



广东黄河灯光科技有限公司
Guangdong Yellow River Lighting Technology Limited
全国统一服务热线: 400-618-4388
National Service Hotline

产品保修卡

Product Warranty Card

尊敬的客户:

Dear Customer:
非常感谢您购买我们的产品,今后在使用过程中,您将享受我们为贵提供的保修一年(自启封服务)。如有任何质量问题,我们将为您提供保修服务,请您放心使用。如有任何疑问,请随时与我们联系。感谢您的支持!

保修条款:

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质量问题,一年内享受保修服务,在任何正常情况下均提供维修。
2. 保修卡应在购买时予填写,保修卡无空白公司保修无效。产品维修时请带保修卡。

Warranty Terms:

This product, from the date of purchase, under normal operation and without repair, if confirmed by the warranty personnel to be a product quality issue, will enjoy the warranty service within one year (from the date of purchase). The warranty card should be filled out at the time of purchase, and the warranty card is invalid without the warranty seal of our company. Please bring the warranty card when the product is maintained.

用户资料

Customer Information

顾客姓名: _____

Customer Name

购买日期: _____

Date of Purchase

购 买 商: _____

Buyer

产品型号: _____

Product Model

保修记录

Repair Record

报修日期	故障及处理方法	维修日期	维修员
Repair Date	Fault and Solution	Repair Date	Repair Technician

广东黄河灯光科技有限公司

售后服务部
售后服务地址: 广东省佛山市南海区大沥大道41号万兴创研C1栋
Wangxing Zongshang Center, Zhanqing High-Tech Zone, Zhanqing City, Guangdong, China