



HUANGHE

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.

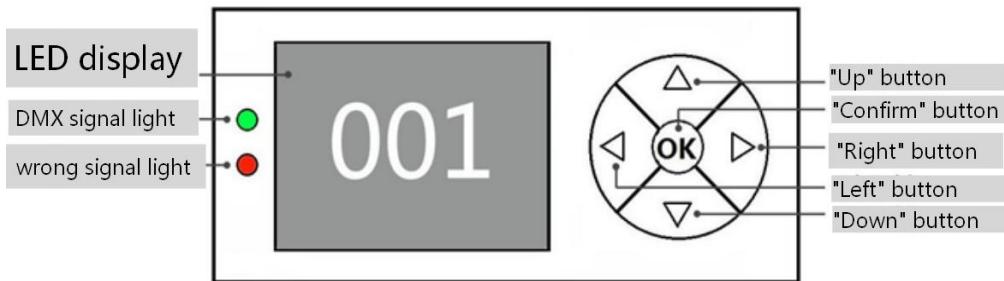
Waterproof class: IP20.

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 |

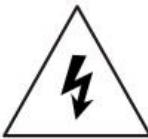
| | | | |
|----|----------------------|---|---|
| | | 060-069 070-079 080-089 090-099 100-109 110-119 120-129 130-139 140-149 150-200 201-255 | Gobo 6 Gobo 7 Gobo 1: Shaking (from slow to fast) Gobo 2: Shaking (from slow to fast) Gobo 3: Shaking (from slow to fast) Gobo 4: Shaking (from slow to fast) 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::

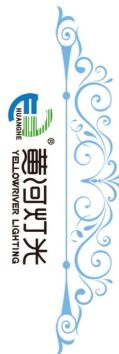
1. In the use environment of this product, there should be no corrosive steam and gas, and no inflammable and explosive articles.
2. The distance between the light hole direction of the lamp and the illuminated object should be at least 3 meters.
3. The light source of the lamp is an optical lens, and 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.



产品保修卡

Product Warranty Card

尊敬的客戶
Dear Customer

非常感谢您购买我们产品，今后在使用过程中，您将享受我们为您提供 的保修
一年的售后服务。
Thank you very much for purchasing our product. In the future use, you will enjoy the
one-year after-sales service warranty provided by us.

保修条款：

1. 本产品从购买日起，正常使用并未经拆修，经保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以填写，保修卡无本公司保修章无效。产品维修时请携带保修卡。

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, and maintenance will be provided under any normal circumstances. The warranty card should be filled out at the time of purchase, and the warranty is invalid without the warranty card being filled out. Please keep the warranty card and return it to the manufacturer if a claim is made against the warranty.

产品名称：
Product Name

产品型号：_____

Product Model

检 验 员
Inspec tor
• •

檢驗日期：

檢驗日期：_____

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

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National Service Helpline: 6400-010-434

广东黄河灯饰有限公司
Guangdong Yellow River Lighting Technology Limited
售后地址：广东省肇庆市高新区大旺大道41号万洋众创城C10

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