



400W BSW Moving head light
(Model: YR-IP400BSW)



Instruction

(Please read the manual carefully before using the product.)

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 parameters:**Light source parameters:**

Light source: LED 400W

Average life: 20,000 hours

Color temperature: 6800K

Control parameters:

Light path lens: the light Angle is 3°- 38° , Combined lens, full light and uniform Gobo.

Stroboscopic: dual-chip stroboscopic 1-30 times/second, Support pulse strobe + effect strobe + random strobe

Dimming: Linear dimming

Control signal: DMX512(Digital MultipleX 512)+RDM.It complies with international lighting control standards and supports the console address code.

It also supports DMX interface upgrades.

Control channel: 19CH

Operation mode: DMX512,manual, master/slave

Light source heat dissipation: 2 high-power fans, active heat dissipation

Color: 1pcs color disc: 13pcs colors + white light, with double rainbow effect

Gobo: 1pcs metal gobo wheel: 11pcs patterns + white light, with shaking, flow effect

1pcs glass gobo wheel: 7pcs gobos + white light, with shaking, flow effect

Prism: 1pcs 3 prism +1pcs 4 prism, can be rotated independently

Frost: 1 separate frost piece,convertible to coloring effects

Scanning: horizontal 540 degrees 3.2S/ cycle, vertical 270 degrees 1.3S/

cycle, three-phase motor, using photoelectric reset + Hall correction double

precision reset, so that positioning is more accurate, while automatic error correction, with automatic return function

Display function:TFT LCD display, screen can be reversed, switch between Chinese and English, automatic screen off/permanent screen, can display bright Bulb time, fault detection, software version information, can restore factory Settings.Automatic locking function to prevent false contact

Light source heat dissipation: the use of internal circulation + copper pipe heat conduction technology, active heat dissipation, to ensure more stable products

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

Working parameters:

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

Total rated power: 550W

Power factor: 0.99

Maximum ambient temperature: 40 degrees

Light parameters:

Shell: aluminum, waterproof, high-temperature, anti-radiation, anti-messy flower

Bottom box pull-out: open the display panel can be directly pulled out to replace the

Bottom box: power supply, drive board, fan, display board

Wire: The high pressure part uses high temperature resistant silicone wire, the weak part uses 1332 Teflon high temperature wire

Display: TFT LCD display +4 touch buttons

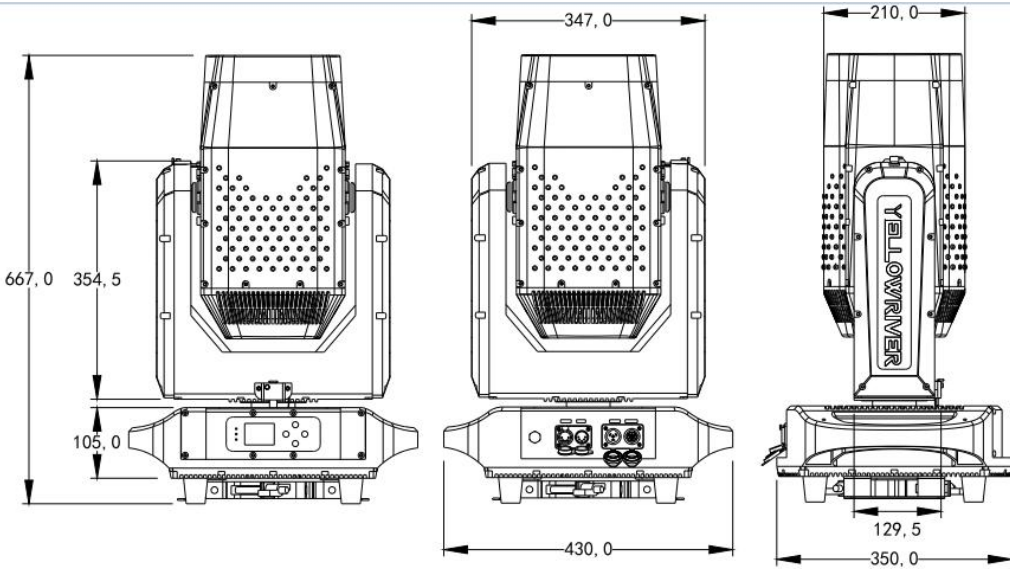
Power interface: Twisting head, one blue (in) one white (out)

Signal interface: Signal socket 3-core male + female

IP rate: IP66

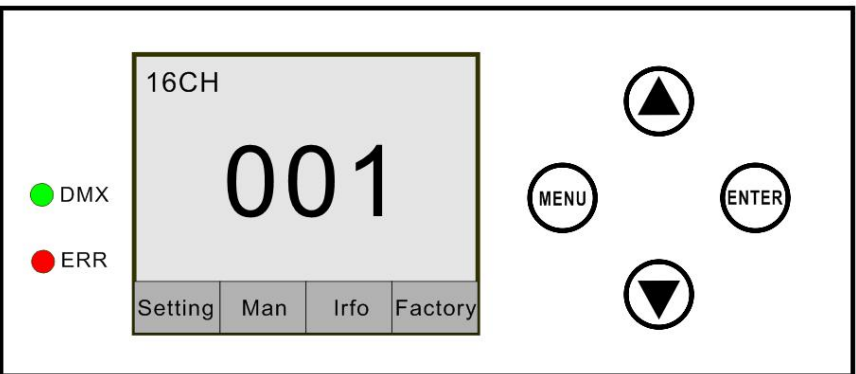
Net weight: 30.5KG

1. Size



2. Menu

(1)main board:



To unlock display press



Certificate



Product Name: _____

Product Model: _____

Inspector: _____

Inspection Date: _____

Execution Standard: GB7000-217-2008

This product has been inspected and qualified for shipment.



Guangdong Yellow River Lighting Technology Limited
National Service Hotline: 400-618-4388

Product Warranty Card

Dear Customer:

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.

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 card is invalid without the warranty seal of our company. Please bring the warranty card when the product is maintained.

Customer Information

Customer Name: _____ Buyer: _____

Date of Purchase: _____ Product Model: _____

Warranty Record

Repair Date	Fault and Solution	Repair Date	Repair Technician

Guangdong Yellow River Lighting Technology Limited
Address: Service Address: C, the Building, No.41,Shuang Avenue
Wuyang,Zhongshan City,Guangdong,High-Tech Zone,Guangdong City,Guangdong, China.

6.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 and well grounded.

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

(2)Menu description

①Setting:

Option	Description	
Operation mode	DMX/Voice control/Auto	Self-drive
DMX address	001	Address code setting
Motor reset	OFF	
	ON	
Channel mode	19CH	19-channel mode
Language	Chinese	
	English	
Screen flip	OFF	
	ON	
X reversal	OFF	
	ON	
y-inversion	OFF	
	ON	
XY exchange	OFF	
	ON	
DMX signal	Stay/Reset	
Clearing scene data	Confirm	
	Cancel	
Restore default Settings	Confirm direct recovery	

②Manual: manually operate the channel

③Setting Information:

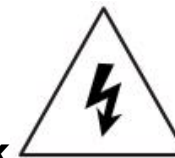
Option	Description	
DIS		Display board software version
time information		Querying usage information

System error		Logging errors
Blower velocity		
MT Hall state	0000000	
CMY Hall	000	
X-axis encoding disk step value	+0000	
Y-axis encoding disk step value	+0000	
Duration		long time.

Common error	Description
The MT board fails to be connected	The motor board is not responding. The serial communication line connecting the display board and the motor board is faulty, or the motor board is faulty.
X-axis reset failed	There is a problem with the X-axis photoelectric switch, or the X-axis motor or motor board
Y-axis reset failed	Y-axis photoelectric switch, or Y-axis motor or motor board problem
X-axis Hall error	There's a problem with the X-axis Hall, or the motor board
Y-axis Hall error	Y-axis Hall, or motor board problem
Color disk reset failed	Color plate Hall, or color plate motor problem
Description The pattern disk failed to reset	Pattern plate Hall, or pattern plate motor problem
The focus reset failed	Focusing Hall, or a problem with the focusing motor
Bulb control failure	Failure to light or extinguish Bulbs, lamplighter or bulb problem

④**Factory:** The device is employed to rectify the initial value.

5.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.

8. 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.

11	Gobo rotation	000-127 128-191 192-255	Rotate pattern Angle adjustment Reverse flow (fast to slow) Forward rotation (slow to fast)
12	Prism 1	000-128 129-255	Prism ejection Prism insertion
13	Prism 1 rotation	000-127 128-191 192-255	Prism Angle adjustment Reverse rotation (fast to slow) Forward rotation (slow to fast)
14	Prism 2	000-128 129-255	Prism ejection Prism insertion
15	Prism 2 rotation	000-127 128-191 192-255	Prism Angle adjustment Forward rotation (fast to slow) Reverse rotation (slow to fast)
16	Blow up	000-255	Patterns grow from small to large
17	focusing	000-255	Pattern clarity from far to near
18	Frost	000-127 128-255	Ejection of atomizer Atomizing plate entry
19	resetting	000-249 250-255	Empty Reset (3 seconds)

4. Master/Slave mode online description

Set one machine as the host, select self-running, set the other machine as the slave machine, set the slave machine as DMX address code 001 state, connect the signal line, at this time the slave machine accept the host control, the function is synchronized with the current function of the host.

3.DMX 512 CHANNEL: 19CH

CH	FUNCTION	Value	Description
1	X-axis	000-255	Horizontal 540 degree scan
2	X-axis trim	000-255	Horizontal 1.2 degree fine adjustment
3	Y-axis	000-255	Vertical 270 degree scan
4	Y-axis fine-tuning	000-255	Vertical 1.2 degree fine adjustment
5	XY velocity	000-255	Speed from fast to slow
6	dimming	000-255	From dark to light
7	stroboscopic	000-003 004-103 104-107 108-207 208-212 213-251 252-255	White light Pulse stroboscopic: Slow -- fast Opening the light Standard stroboscopic: Slow -- fast Opening the light Random stroboscopic: Slow to fast Opening the light
8	Color	000-002 003-007 008-012 013-017 018-022 023-027 028-032 033-037 038-042 043-047 048-052 053-057 058-062 063-067 068-072 073-077	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 magenta Color 5 magenta Color 5 magenta + color 6 orange Color 6 orange Color 6 orange + color 7 blue-green Color 7blue-green Color 7 blue-green+ color 8 light blue-

		078-082	purple Color 8 light blue- purple
		083-087	Color 8 light blue- purple+ color 9 fluorescence
		088-092	Color 9 fluorescence
		093-097	Color 9 fluorescence + color 10 light green
		098-102	Color 10 light green
		103-107	Color 10 light green+ color 11 light blue
		108-112	Color 11 light blue
		113-117	Color 11 light blue+ color 12 CTB
		118-122	Color 12 CTB
		123-127	Color 12 CTB + Color13 CTO
		128-132	Color13 CTO
		133-139	Color13 CTO+white
		140-200	Forward flow (fast to slow)
		201-255	Reverse flow (slow to fast)
9	Fixed gobo	000-004	White light
		005-009	Fixed gobo 1
		010-015	Fixed gobo 2
		016-020	Fixed gobo 3
		021-025	Fixed gobo 4
		026-030	Fixed gobo 5
		031-035	Fixed gobo 6
		036-040	Fixed gobo 7
		041-045	Fixed gobo 8
		046-050	Fixed gobo 9
		051-055	Fixed gobo 10
		056-059	Fixed gobo 11
		060-064	White light Jitter(from slow to fast)
		065-069	fixed gobo 1 Jitter(from slow to fast)

		070-074	fixed gobo 2 Jitter (from slow to fast)
		075-079	fixed gobo 3 Jitter (from slow to fast)
		080-084	fixed gobo4 Jitter(from slow to fast)
		085-089	fixed gobo 5 Jitter(from slow to fast)
		090-094	fixed gobo 6 Jitter (from slow to fast)
		095-099	fixed gobo 7 Jitter(from slow to fast)
		100-104	fixed gobo 8 Jitter(from slow to fast)
		105-109	fixed gobo 9 Jitter (from slow to fast)
		110-114	fixed gobo10 Jitter (from slow to fast)
		115-119	fixed gobo11 Jitter (from slow to fast)
		120-190	Reverse flow (fast to slow)
		191-255	Forward flow (slow to fast)
10	Gobo	000-004	White light
		005-009	Big White light
		010-019	gobo 1
		020-029	gobo 2
		030-039	gobo 3
		040-049	gobo 4
		050-059	gobo 5
		060-069	gobo 6
		070-079	gobo 7
		080-089	gobo 1 Jitter (slow to fast)
		090-099	gobo 2 Jitter(slow to fast)
		100-109	gobo 3 Jitter(slow to fast)
		110-119	gobo 4 Jitter (slow to fast)
		120-129	gobo 5 Jitter (slow to fast)
		130-139	gobo 6 Jitter (slow to fast)
		140-149	gobo 7 Jitter(slow to fast)
		150-200	Reverse flow (fast to slow)
		201-205	Forward flow (slow to fast)