

IP65 300W BSW LED Moving Head

User Manual



This manual contains important information.
Please read before operating fixture.

1 SECURITY TIPS

WARNING!!! To reduce the risk of fire, electric shock, or injury to persons, follow these important safety instructions:

- Non-professionals, not to disassemble the light arbitrarily and lighting accessories inside.
- Rated voltage range: AC110V-120V/60Hz or AC200V-240V / 50HZ (to be selected).
- Not beam irradiate the flammable materials, flammable materials and the lamp should be maintained at least 1M over the distance.
- Lamps used in ambient temperature: -15 °C -40 °C, the highest temperature of the surface of the lamp: 60 °C.
- To keep away from the liquid substance and humid environment.
- Before using the lights must ensure the good grounding, can not install charging and remove any parts.
- The installation of lights, must be fixed screw fasteners with additional security cable and regular inspection.
- Lamps consecutive working hours is not recommended more than 10 hours.
- Should stop using the lights in time when happens unusual conditions during the process.
- Lamp parts of the rotation, external accessories and paste parts should be regular inspected, such as the emergence of loose and rock, should be reinforced in a timely manner to prevent the accident.
- Lamps adopt strong winds to refrigerate, it is easy to accumulate the dust, so you have to clean it weekly especially the cooling air opening, otherwise the dust will plug leading to poor light.

2 TECHNOLOGY DETAILS

Input: AC100v-240V 50/60HZ

Power Consumption:300w

Light source: 300w Led

Led life:20000Hrs

CTO: 8800K

Zoom angle:2-40°

Working temperature: -10-40℃

Control mode:DMX512, Master-slave,Auto,RDM

Channel:26ch

Colors wheel :13 colors+white,With half color,Two-way rainbow effect

Static gobo wheel: 11 gobos+open,variable shake speed, and bidirectional rotation

Rotation gobo: 9 gobos+open

Cyan: 0-100%

Magenta: 0-100%

Yellow: 0-100%

Prism wheel 1:Independent 3 facet rotation prism,can be superimposed with Prism 2

Prism wheel 2: Independent 6 linear rotation prism,can be superimposed with Prism 1

Frost: Light+heavy frost

Zoom: Motorised 8 or 16 bit

Focus: Motorised 8 or 16 bit

Dimmer:0-100% linear dimmer

Strobe:1-20Hz fast strobe per second, with pulse strobe, synchronous and asynchronous strobe effects

Pan movement: 540° 16bit

Tilt movement: 270° 16bit

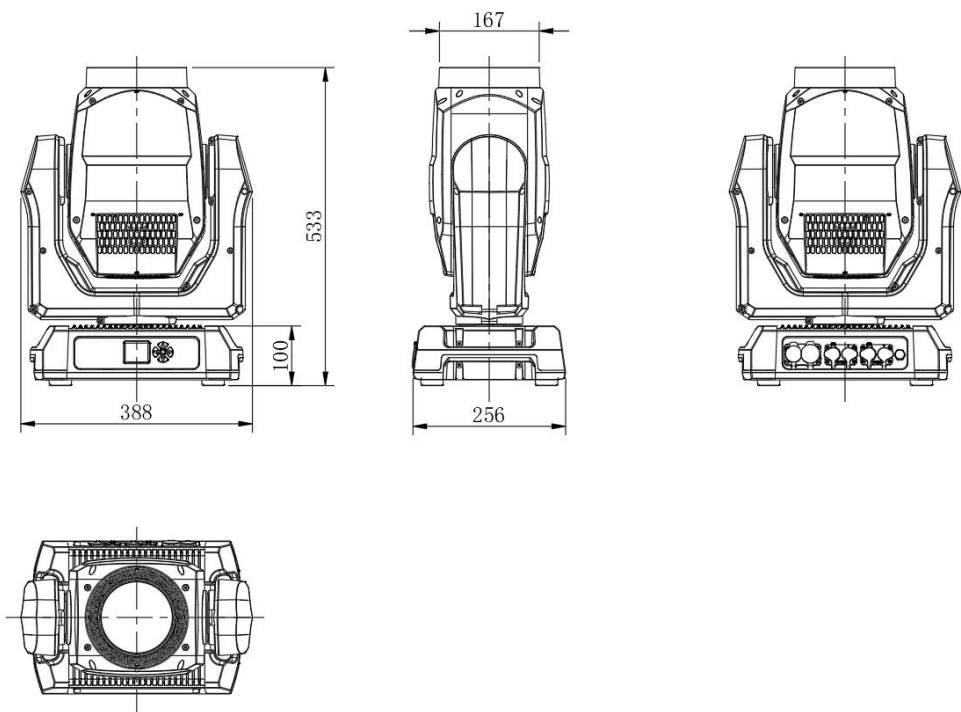
Display: LCD display with 5 buttons

Cooling fan: Silence fan, speed changeable

Body: Die-Aluminum+Plastic

IP rate: IP65, waterproof
Signal Data: 3pin XLR in/out
Power connector:TRUE1 Powercon in/out
Product size: 388*256*533mm
Net weight: 18.5kg

Product dimension:



3 Board Instruction

ADDR	Ch	001-512
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	Prev	Previous device
	Next	Next device
	Exit	
MODE	DMX	
	Auto	
	Scene	01-10, Auto
	Led_Ctrl	On/Off
	M/S Choose	Auto/Master/Slave
	Exit	
DISP	语言	English/中文
	Screen_Rot	Auto/Close/Open
	Screen_Saver	On/Off
	DMX_Indicate	Mode1-2
	Screen_Light	01-10
	Exit	
SCENE	Control Mode	On/Off
	Scene Select	01-10
	Scene Timer	00:0s-25:5s
	1. Pan	000-255
	2. Pan fine	000-255
	3. Tilt	000-255
	4. Tilt fine	000-255
	5. X/Y speed	000-255
	6. Reset/255	000-255
	7. Color wheel	000-255
	8. Color color fine	000-255
	9. Gobo	000-255
	10. Gobo 2	000-255
	11. Gobo Rotation	000-255
	12. Gobo Rot	000-255

	fine	
	13. Prism	000-255
	14. Prism1 rotation	000-255
	15. Prism2 rotation	000-255
	16. Frost	000-255
	17. Zoom	000-255
	18. Zoom fine	000-255
	19. Focus	000-255
	20. Focus fine	000-255
	21. Y Color	000-255
	22. M Color	000-255
	23. C Color	000-255
	24. Strobe	000-255
	25. Dimmer	000-255
	Exit	
SETUP	Pan Invert	On/Off
	Tilt Invert	On/Off
	Lamp On ST	On/Off
	Optocoupler calibration	On/Off
	Data Hold	On/off
	CH mode	26CH
	Pan Offset	001-255
	Tilt Offset	001-255
	Scene time multiplier	001-255
	Reset	On/Off
	Factor Setting	On/Off
	Advance	
	Exit	

Infor	Channl_info	
	Light_time	
	Error_logging	
	Version	AT.3.8
	Fixture_Status	
	Use_Limit	
	Exit	

4 DMX CHANNEL SHEET

26CH	Function	DMX value	Description
1	Pan	0-255	0-540°
2	Pan fine	0-255	0-2°
3	Tile	0-255	0-270°
4	Tile fine	0-255	0-1°
5	X/Y speed	0 - 255	From fast to slow
6	Function	240 - 255	Reset after more than 3 seconds
7	Color	0 - 129	Linear Color adjustment
		130-131	Color 1
		132-136	Color 2
		137-140	Color 3
		141-145	Color 4
		146-149	Color 5
		150-154	Color 6
		155-159	Color 7
		160-163	Color 8
		164-168	Color 9
		169-172	Color 10

		173-175	Color 11
		178-181	Color 12
		182-186	Color 13
		187-191	Color 14
		192-220	Forward flow from fast to slow
		221-255	Reverse flow from slow to fast
8	Color fine	000-255	Enable when CH7 linear dimming
9	Gobo	0-10	Open
		11-22	Gobo 1
		23-33	Gobo 2
		34-45	Gobo 3
		46-56	Gobo 4
		57-68	Gobo 5
		69-79	Gobo 6
		80-91	Gobo 7
		92-102	Gobo 8
		103-114	Gobo 9
		115-125	Gobo 10
		126-137	Gobo 11
		138-164	Forward flow from fast to slow
		165-189	Reverse flow from slow to fast
		190-195	Gobo 1 shake
		196-201	Gobo 2 shake
		202-207	Gobo 3 shake
		208-213	Gobo 4 shake
		214-219	Gobo 5 shake
		220-224	Gobo 6 shake
		225-230	Gobo 7 shake
		231-236	Gobo 8 shake
		237-242	Gobo 9 shake
		243-248	Gobo 10 shake

		249-255	Gobo 11 shake
10	Gobo rotation	0-5	Stop
		6-11	Gobo 1
		12-18	Gobo 2
		19-24	Gobo 3
		25-31	Gobo 4
		32-37	Gobo 5
		38-43	Gobo 6
		44-50	Gobo 7
		51-56	Gobo 8
		57-64	Gobo 9
		65-128	Reverse flow from fast to slow
		129-190	Forward flow from slow to fast
		191-197	Shake1
		198-204	Shake2
		205-211	Shake3
		212-218	Shake4
		219-225	Shake5
		226-232	Shake6
		233-239	Shake7
		240-246	Shake8
		247-255	Shake9
11	Gobo rotation	0-127	0-360°
		128-191	Forward flow from fast to slow
		192	Stop
		193-255	Reverse flow from slow to fast
12	Rotation fine	000-255	0-100%
13	Prism	0-63	Remove prism
		64-127	Insert Prism 1
		128-191	Insert Prism 2

		192-255	Insert Prism 1 Prism 2
14	Prism1 rotation	0-41	0-360°
		42-127	Reverse flow
		128-190	Forward flow from fast to slow
		191-192	Stop
		193-233	Reverse flow from slow to fast
15	Prism2 rotation	0-20	0-360°
		21-127	Reverse flow
		128-190	Forward flow from fast to slow
		191-192	Stop
		193-233	Reverse flow from slow to fast
16	Frost	0-127	NO
		128-163	Frost 1
		164-255	Frost 2
17	Zoom	000-255	0-100%
18	Zoom fine	000-255	0-100%
19	Focus	000-255	0-100%
20	Focus fine	000-255	0-100%
21	C	000-255	0-100%
22	M	000-255	0-100%
23	Y	000-255	0-100%
24	CTO	000-255	0-100%
25	Strobe	0-9	Closed
		10-33	Gradual strobe effect 1 from slow to fast
		34-57	Gradual strobe effect 2 from slow to fast
		58-79	Gradual strobe effect 3 from slow to fast
		80-145	Mechanical strobe effect from slow to fast
		146-179	Pulse strobe effect from slow to fast
		180-239	Random strobe effect from slow to fast

		240-255	Open
26	Dimmer	0-255	0-100%

5 FIXED EQUIPMENT

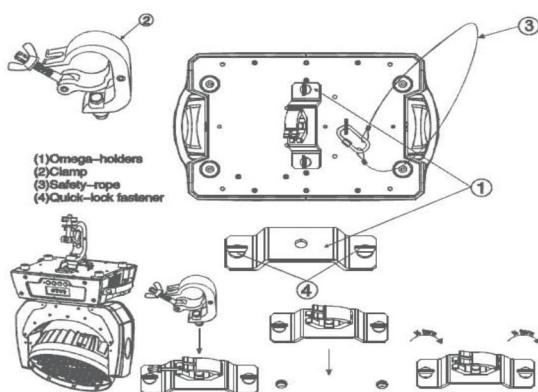
Please keep the equipment far away from the flammable objects like finishing material, etc. keep at least 0.5m distance from the flammable objects.

Warning: using two lamp clamps fix the equipment on the bottom of the lamp holder according to the instruction. to make sure the place of install the lamp is safe and suitable ,and the installation point that have chosen is safety and reliable.

The place of installing the lamp must support the 10 times weight of the lamp itself. And test the pensile place and make sure the place isn't out of the shape.

Must install the second protection when fixing the equipment like proper protective screening. The second protection is used to prevent drop off and lost of lamp and components.

Lamps can directly install the lamp holder , which is shown in the figure:



6 MAIN MACHINE CONNECTION

Please checking the power equipment supported.

Please put the plug of power source wire connect with the main power source .

(EU)Wire	Wire(America)	Direction of wire	General marks
Brown	Black	Live	L
Light blue	White	Neutral	N
Yellow/Green	Green	Earth	



Warranty Card

Name	Model
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Production	Purchase
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End User
Company Name:
Add:

Sale Store	
Link man:	
Tel:	Stamp

Description: These must be truthfully fill, seal by the end-user and point-of-sale, or else the warranty will not work (warranty period and terms, see the following)

warranty period: one year since purchase warranty terms: 1、 If fail when using the product in normal state, you can made under the provisions of the warranty, show the warranty card and purchase bills(copy), and enjoy

free maintenance service in a specific service center or the manufacturer.

2. The following will be the implementation of paid service:

(1) Without the effective warranty card

(2) There's blank, alter and no point-of-sale name

(3) Fail caused by unresistance

(4) Fail caused by transportation or unloading

(5) Fail caused by not operate by manual

(6) Fail caused by disassemble without unauthorized

(7) Fail caused by using the unauthorized control system

Note:

Based on our company continue to improve the product, the statement containing data may have changed, and will not notice the change any more. Company retains its right to change specifications related when product is improved. Thanks for your understanding.