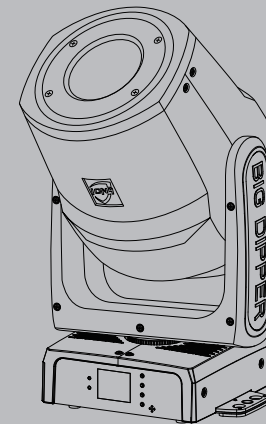
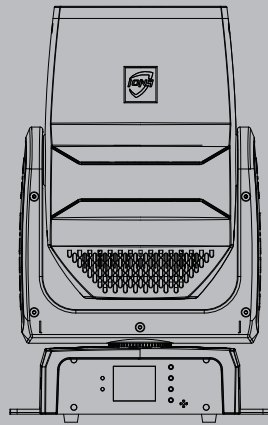




Big Dipper

You Deserve the Best Quality



User Manual

Beam+Spot+Wash 3-in-1 +LED Strip

Model: BSW 200

After-sales service

Please fill in the following content properly and keep it safe for future maintenance. Accordingly, for your each purchase of our systems we have archive Serial number and parameters for future reference.

Product warranty card

Testing : ☐ Warranty : ☐ Non-warranty : ☐

Mode : _____

Serial No. : _____

Distributor : _____

Address : _____

Tel : _____

1. All device products purchased from our company (and authorized agents) are entitled to a one-year warranty service for light sources, machinery, and electronics if they are used correctly; if there is no warranty, the company can also provide paid maintenance services according to the actual situation;

2. The following situations are not covered by the free warranty:

- ① The product has no serial number;
- ② The prohibition mark is damaged or there are obvious signs of self-disassembly;
- ③ The product has no replaceable components or components required by customized products, and unauthorized disassembly or replacement of components without permission leads to problems;
- ④ Failure or damage caused by improper use or improper maintenance or modification;
- ⑤ Damage caused by failure to operate in accordance with the instructions or the harsh environment of use;
- ⑥ Damage caused by impact during installation or handling by the purchaser;
- ⑦ For repaired or replaced products, the warranty will not be extended, and the power will decay slowly according to the normal life span, which is not within the scope of free warranty;
- ⑧ Failure and damage caused by fire, earthquake, flood, lightning and other natural disasters or abnormal power supply voltage

3. The company reserves the right of final analysis of the above terms.

If there is a problem with the product, please contact the company (or agent) in time, and we will solve it in the shortest time. At the same time, we sincerely hope that you can provide valuable comments and suggestions on our products, and we will spare no effort to improve our products.

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The following symbols are used to identify important safety information in the product and user manual:



Warning:
Risk of serious injury or death.



Warning:
Refer to the user manual before installation, energizing, or servicing.



Warning:
Risk of fatal or severe electric shock.



Warning:
Potential risk: fire.



Warning:
Hot surface, do not touch.



Warning:
Potential risk of eye injury, protective goggles must be worn.



Warning:
Potential risk of hand injury, gloves must be worn.



Suitable only for installation on non-combustible surfaces.



Replace all broken protective covers.



Minimum distance to illuminated objects.



Maximum rated ambient temperature.



For indoor use only.



Do not point the lens at sunlight or strong light.



Do not manually adjust during operation.

Safety Guidance

Please read this manual carefully, which includes important information of installation, using and maintenance !

Warning : Please save this manual for future reference, and if you sell this product to other users, make sure they also get this manual.

Notice : The equipment is packed in good condition when it leaves the factory. Please operate it according to the user manual. Machine failure caused by human factors is not covered by the warranty.

- Before using the product, please check carefully to ensure that the light has no damage caused by transportation.
- This light is only suitable for use in dry places indoors.
- The installation and operation of lights should be performed by professionals.
- Do not allow children to operate the machine.
- Use safe ropes when securing the equipment, and lift up the bottom when moving the light.
- The equipment must be installed in a well-ventilated place, at least 50 cm away from adjacent surfaces.
- Make sure the ventilation holes are unobstructed to prevent the light from overheating during operation.
- Before operation, ensure that the power supply voltage matches the power supply voltage required by the equipment.
- Please ground the light to prevent electric shock.
- Do not operate the light in an environment above 40 °C.
- It is prohibited to connect light directly to dimming devices.
- A new light may produce a small amount of smoke or odor when it is working, which will disappear after 15 minutes of operation.
- Do not place flammable objects next to the light when it is in operation to prevent fire hazards.
- Before turning on the light, please carefully check whether the power cord is damaged. If damaged, please replace it immediately.
- When the light is in operation, the surface temperature of the shell can reach 70 °C , please do not touch it with bare hands.
- Prevent flammable liquids, water or metal and other conductive objects from entering the light to avoid electric shock or fire. If any foreign object enters the light, please cut off the power supply immediately.
- Avoid operating in dirty and dusty environments, and clean and maintain the lights regularly.
- Do not touch the wires when the light is running to prevent electric shock.
- Avoid the power cord from getting entangled with other wires.
- The distance between the light and the irradiated surface should be greater than 1 meter .
- Disconnect the power supply before replacing the fuse or bulb.
- When replacing a fuse or bulb, use the same type.
- If a serious operating failure occurs, please stop using it immediately.

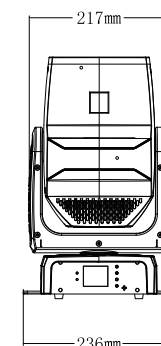
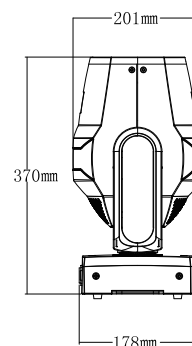
11	Gobo Rotation	
	0-4	Static
	5-127	Forward Rotation, Fast to Slow
	128-255	Reverse Rotation, Slow to Fast
12	Prism	
	0-127	OFF
	128-255	ON
13	Prism Rotation	
	0-4	Static
	5-127	Forward Rotation, Fast to Slow
	128-255	Reverse Rotation, Slow to Fast
14	Frost	
	0-127	OFF
	128-255	ON
15	Focus 1	0-255
16	Focus 2	0-255
17	Auto Mode	
	0-9	Other Channel Functions
	10-239	Fast Auto Mode
	240-255	Sound Control Mode
18	Reset	250-255 (5s)
19	LED Strip Effect	0-255
20	LED Strip Speed	0-255 Slow to Fast

9	Gobo Wheel	0-255
	0-7	Gobo 1
	8-15	Gobo 2
	16-23	Gobo3
	24-31	Gobo4
	32-39	Gobo5
	40-47	Gobo6
	48-55	Gobo7
	56-63	Gobo8
	64-71	Gobo 8 shake
	72-79	Gobo 7 shake
	80-87	Gobo 6 shake
	88-95	Gobo 5 shake
	96-103	Gobo 4 shake
	104-111	Gobo 3 shake
10	112-119	Gobo 2 shake
	120-187	Forward Rotation, Fast to Slow
	188-255	Reverse Rotation, Slow to Fast
	Rotating Gobo	
	0-7	Large Circle
	8-15	Rotating Gobo 1
	16-23	Rotating Gobo 2
	24-31	Rotating Gobo 3
	32-39	Rotating Gobo 4
	40-47	Rotating Gobo 5
	48-55	Rotating Gobo 6
	56-63	Rotating Gobo 7
	64-71	Rotating Gobo 7 shake
	72-79	Rotating Gobo 6 shake
	80-87	Rotating Gobo 5 shake
	88-95	Rotating Gobo4 shake
	96-103	Rotating Gobo 3 shake
	104-111	Rotating Gobo 2shake
	112-119	Rotating Gobo 1 shake
	120-187	Forward Rotation, Fast to Slow
	188-255	Reverse Rotation, Slow to Fast

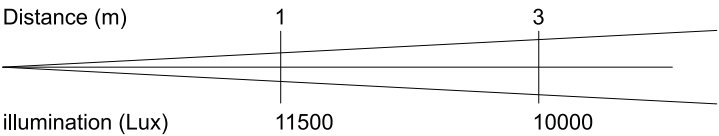
- If there is obvious damage to the light housing, lens or UV filter, please replace it in time.
- There are no usable parts inside the light, please do not open the light casing without authorization
- Please do not operate the machine by yourself. Non-professional operation may cause damage to the equipment or malfunction. If maintenance is required, please contact the nearest authorized service center.
- Please cut off the power supply when the light is not used for a long time or is under maintenance.
- When transporting again, please use the original packaging materials.
- To avoid fire or electric shock, do not expose the light to rain or wet areas.
- Do not look directly at the light when it is running .
- When hanging the light sideways or hanging it, please correctly install the safety rope.

Technical Specifications

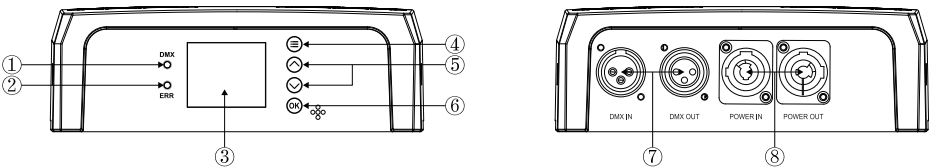
Voltage	AC100V-240V 50-60HZ
Rated Power	240W
Light Source	1x150W White LED + 24x0.2W RGB LED
Beam Angle	7°~21°
Control Mode	DMX512 / Auto / Sound / Master-slave
Color	7+White
Fixed Gobo	7+White
Rotating Gobo	7+White
Prism plate	3 Prism
DMX Channels	20CH
Pan	540°
Tilt	180°
Dimmer	0-100% Linear dimmer
N.W.	6.5Kg



illumination



Introduction of the control panel



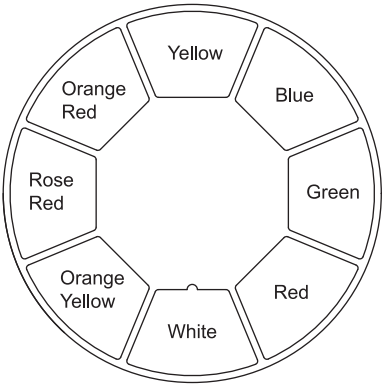
- ①Signal indicator:
Green color shows DMX signal is connected.
- ②Error indicator:
Red color shows there is ERROR message , check it from the “Information”menu
- ③LCD Display
- ④Enter to Main menu/Return
- ⑤Detail UP/Down
- ⑥Enter
- ⑦DMX IN & DMX OUT :
For DMX512 operation, use 3-pin XLR cable to link the unit and DMX controller
(5-pin XLR is optional)
- ⑧POWER IN/OUT: Use to connect to supply power

Channel value table

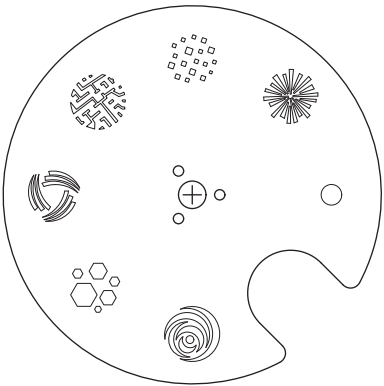
20CH	Function	Description
1	Pan Movement	0-255
2	Pan Fine	0-255
3	Tilt	0-255
4	Tilt Fine	0-255
5	Pan/Tilt Speed	0-255
6	Dimmer	0-255
7	Strobe	
	0	Off
	1-255	Slow → Fast
8	Color Wheel	0-255
	0-7	Color 1
	8-15	Color 2
	16-23	Color 3
	24-31	Color 4
	32-39	Color 5
	40-47	Color 6
	48-55	Color 7
	56-63	Color 8
	64-71	Color 1+Color 2
	72-79	Color 2+Color 3
	80-87	Color 3+Color 4
	88-95	Color 4+Color 5
	96-103	Color 5+Color 6
	104-111	Color 6+Color 7
	112-119	Color 7+Color 8
	120-127	Color 8+Color 1
	128-191	Forward Rotation, Fast to Slow
	192-255	Reverse Rotation, Slow to Fast

Advanced Menu	Sensor Monitoring	Pan Hall
		Tilt Hall
		Color Wheel Hall
		Gobo Wheel Hall
		Focus 1 Hall
		Focus 2 Hall
		Rotating Gobo Hall
	Reset Calibration	Pan
		Tilt
		Color Wheel
		Gobo Wheel
		Focus 1 Hall
		Focus 2 Hall
		Prism
		Frost
		Rotating Gobo
	LED Max Power	001-255
	Max LED Temperature	50-80
	Prism Travel Range	80-180

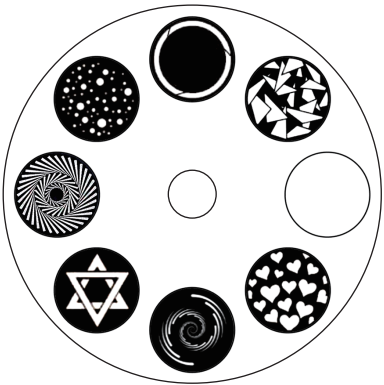
Color Wheel



Fixed Gobo Wheel



Rotating Gobo Wheel



Function Description

Main Menu	Setup	Parameter settings
	Manual	Manual operation mode
	System	Status monitoring, display
	Advanced	Advanced parameter configuration
	Language	Chinese / English switch
	Temperature	LED temperature display
	Display Inversion	Normal / Reverse display
	Reset	Device reset
	DMX/RDM	DMX / RDM signal indicator
Setup Menu	Operating Mode	DMX, Auto, Random, Sound
	DMX Address	001–512
	Channel Mode	Standard 20CH
	Sound Sensitivity	0–100
	Pan Inverse	ON / OFF
	Tilt Inverse	ON / OFF
	Pan-Tilt Swap	ON / OFF
	Pan-Tilt Encoder	ON / OFF
	No DMX Signal	Hold / Blackout
	Display Time	Always On / 10s / 20s / 40s / 60s
	Display Brightness	20% / 40% / 60% / 80% / 100%
	Restore Default Settings	Confirm / Cancel
Manual Control	Pan (X)	0-255
	Pan Fine	0-255
	Tilt (Y)	0-255
	Tilt Fine	0-255
	Pan-Tilt Speed	0-255
	Dimmer	0-255
	Strobe	0-255
	Color Wheel	0-255
	Gobo Wheel	0-255
	Rotating Gobo	0-255
	Gobo Rotation	0-255
	Prism	0-255
	Prism Rotation	0-255
	Frost	0-255
	Focus 1	0-255
	Focus 2	0-255

Manual Control	Auto Run	0-255
	Reset	0-255
	LED Strip Effect	0-255
	LED Strip Speed	0-255
System Menu	DMX Channel Value Monitoring	Pan
		Pan Fine
		Tilt
		Tilt Fine
		Pan&Tilt Speed
		Dimmer
		Strobe
		Color Wheel
		Gobo Wheel
		Rotating Gobo
		Gobo Rotation
		Prism
		Prism Rotation
		Frost
		Focus 1
		Focus 2
		Auto
		Reset
		LED Strip
		LED Strip Speed
	System Error Record	Error Records
	LED Temperature	Temperature Display
	Device Usage Time	Usage Time
	This lighting time	Lighting time
	DIS	version number
	MT	version number