

USER MAUNAL OF BSW 380W



1. Maintenance

To reduce the risk of electrical shock or fire, do not expose this unit to rain or moisture.

Intermittently using will extend this item's service life.

Please clear the fan ,fan net , and optical lens in order to keep good work state.

Do not use the alcohol or any other organic solvent to wipe the shell.

2. Statement

The product has perfect performance and integrity packing. All users should be

strictly complying with the warning and operating instructions as stated. Or we aren't in charge of any result by misusing. Any damage resulting by misuse is not within the Company's warranty. Any fault or problem caused by neglecting the manual is also not in the charge of dealers.

Note: All information is subject to change without prior notice.

3. Safety Precaution

In order to guarantee the product's life, please don't put it in the damp places or even the environment over 60degrees.

Always mount this unit in safe and stable matter.

Install or dismantle should operate by professional engineer.

Using lamp , the change rate of power voltage should be within $\pm 10\%$, If the voltage is too high, it will shorten the light's life; If it's not enough, will influence the effect.

Please restart it 20 minutes later after turning off light , until full-cooling.

Frequent switching will reduce the life span of lamps and bulbs; intermittent using will improve the life of bulbs and lamps.

In order to make sure the product is used well, please read the Manual carefully.

Rigging (Optional)

This equipment can be positioned and fixed by clamp in every direction of the stage.

Locking system makes it easy to fasten to the bracket.

Attention! Two clamps is needed to fix the equipment. Every clamp is locked by fastener of 1/4 kind. Fastener can only be locked clockwise.

Attention! Fasten a safety string to the additional hole of side aluminum piece. The secondary accessory can not hang on the delivery handle. Nip the equipment on bracket.

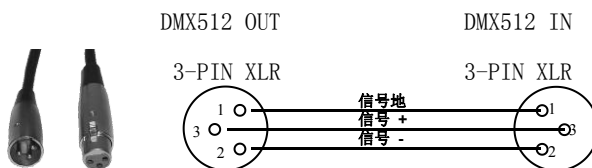
Check if rigging clamp (not including the one inside) damaged or not? If stand ten times weight as the equipment. Make sure the architecture can stand ten times weight as all the equipment, clamps, wiring and other additional fixtures.

Screws for clamping must be fixed firmly. Take one M12 screw (Grade 8.8 or higher) to clamp bracket, and then screw the nuts.

Level the two hanging points at the bottom of clamp. Insert fastener to the bottom, lock the two levers by 1/4 rotating clockwise; then install another clamp.

Install on safety string which stands at least ten times weight as equipment. Terminal of the accessory is designed for clamps.

Make sure pan/tilt lock unlocked or not. Keep the distance more than 1M from equipment to flammable material or lighting source.



4. Specification

Power supply: AC115/230V 50/60 Hz

Lamp: 380W light source

Power: 600W

Ballast: 380W multifunctional electronic ballast

Color temperature: 3200K-8000K

Beam angle: BEAM0-1.5° SPOT1.5°--40° Linear adjustable

Diffuser: 8°--60° independent soft light

Dimming: dual dimming version dimming, super smooth and flicker-free

High-speed strobe: double-chip strobe, synchronous and asynchronous strobe.

Strobe speed is adjustable from 0.3-20 times per second

Fixed color: 13 colors + white light

Fixed Gobo wheel: 13 patterns + white light + bidirectional jitter, animation, running water

Rotating Gobo wheel: 8 patterns + white light + water ripples, with variable speed jitter effect, two-way variable speed flow effect; rotation gobos can be changed.

Prism: 8+6 (angle 10--20° can be zoomed freely)

Focusing: using high-precision glass optical lens, linear electric zooming

Projection range: X-direction 2.9 seconds/540 degrees, Y-direction

1.5 seconds/270 degrees can automatically correct positioning

DMX channels: 19/24 channels

5. Lamp of size: 430X310X640mm

6. Net weight: 20.7KG

5.Channel list

24CH	19CH	Function
1	1	COLOR WHEEL
2		COLOR FINE
3	2	FIXED GOBO
4	3	ROTATING GOBO
5	4	GOBO ROTATION
6		GOBO ROTATION FINE
7	5	FROST
8	6	PRISM
9	7	PRISM ROTATION
10	8	PRISM 1
11	9	PRISM 1 Rotation
12	10	ZOOM
13		ZOOM FINE
14	11	ENLARGE

15		ENLARGE FINE
16	12	LAMP CONTROL & RESET
17	13	DIMMER
18		DIMMER FINE
19	14	STROBE
20	15	X
21	16	X FINE
22	17	Y
23	18	Y FINE
24	19	XY MOVEMENT SPEED

➤ **LAMP CONTROL & RESET**

BIT	EFFECT	NOTE
250-255	COMPLETE RESET	Lamp switch passing through the unused range and staying 5 seconds.
200-205	LAMP ON	
100-105	LAMP OFF	
0-9	UNUSED RANGE	

➤ **XY Speed**

	Timing Channel	Channel function	Remark
0-255	Pan-Tilt time	Pan-Tilt-(Pan fine-Tilt fine)	255 SLOW SPEED 0 FAST SPEED

➤ **COLOR**



BIT	EFFECT
255	FAST ROTATION
.....
225	SLOW ROTATION
221-224	STOP
220	FAST ROTATION
.....
190	SLOW ROTATION
188-189	COLOUR 13+ white
186-187	COLOUR 13
184-185	COLOUR 12+ COLOUR 13
182-183	COLOUR 12
180-181	COLOUR 11+ COLOUR 12
178-179	COLOUR 11
176-177	COLOUR 10+ COLOUR 11
174-175	COLOUR 10
172-173	COLOUR 9+ COLOUR 10
170-171	COLOUR 9
168-169	COLOUR 8+ COLOUR 9
166-167	COLOUR 8
164-165	COLOUR 7+ COLOUR 8
162-163	COLOUR 7
160-161	COLOUR 6+ COLOUR 7
158-159	COLOUR 6
156-157	COLOUR 5+ COLOUR 6

154-155	COLOUR 5
152-153	COLOUR 4+ COLOUR 5
150-151	COLOUR 4
148-149	COLOUR 3+ COLOUR 4
146-147	COLOUR 3
144-145	COLOUR 2+ COLOUR 3
142-143	COLOUR 2
140-141	COLOUR 1+ COLOUR 2
138-139	COLOUR 1
136-137	WHITE +COLOUR 1
134-135-	WHITE
0-133	Linear COLOUR

➤ **DIMMER**

BIT	EFFECT
255	100%
.....
0	0%

➤ **STROBE**

BIT	EFFECT
224-255	OPEN
192-223	RANDOM SLOW - FAST
160-191	OPEN
144-159	SLOW STROBE - FAST STROBE
128-143	FAST STROBE-SLOW STROBE
96-127	OPEN
64-95	SLOW - FAST

31-63	OPEN
0-31	CLOSED

➤ **FIXED GOBO**

BIT	EFFECT
255	FAST ROTATION
.....
230	SLOW ROTATION
228-229	STOP
227	SLOW ROTATION
.....
202	FAST ROTATION
200-201	WHITE
199	GOBO 13 SHAKE, FAST SPEED
.....
192	GOBO 13 SHAKE, SLOW SPEED
.....
95	GOBO 1 SHAKE, FAST SPEED
.....
88	GOBO 1 SHAKE, SLOW SPEED
82-87	GOBO 14
76-81	GOBO 13
70-75	GOBO 12
64-69	GOBO 11
58-63	GOBO 10
52-57	GOBO 9
46-51	GOBO 8
40-45	GOBO 7
33-39	GOBO 6

28-33	GOBO 5
22-27	GOBO 4
16-21	GOBO 3
10-15	GOBO 2
4-9	GOBO 1
0-3	WHITE

➤ **Rotating Gobo**

BIT	EFFECT
255	FAST ROTATION
.....
190	SLOW ROTATION
186-189	STOP
185	SLOW ROTATION
.....
120	FAST ROTATION
113-119	WHITE
112	GOBO 8 SHAKE, FAST SPEED
.....
105	GOBO 8 SHAKE, SLOW SPEED
.....
48	GOBO 1 SHAKE, FAST SPEED
.....
41	GOBO 1 SHAKE, SLOW SPEED
37-40	GOBO8
33-36	GOBO7
29-32	GOBO 7
25-28	GOBO 6
21-24	GOBO 5

17-20	GOBO 4
13-16	GOBO 3
9-12	GOBO 2
5-8	GOBO 1
1-4	L WHITE
0	S WHITE

➤ **Rotating Gobo Rotation**

BIT	EFFECT
255	FAST ROTATION
.....
193	SLOW ROTATION
191-192	STOP
190	SLOW ROTATION
.....
127	FAST ROTATION
0-127	POSITION

➤ **PRISM 1**

BIT	EFFECT
128-255	PRISM EXCLUDED
0-127	PRISM INSERTED

➤ **PRISM 1 ROTATION**

BIT	EFFECT
255	FAST ROTATION
.....
193	SLOW ROTATION

190-192	STOP
189	SLOW ROTATION
.....
128	FAST ROTATION
0-127	POSITION

➤ **PRISM 2**

BIT	EFFECT
128-255	PRISM EXCLUDED
0-127	PRISM INSERTED

➤ **PRISM 1 ROTATION**

BIT	EFFECT	备注
255	FAST ROTATION	
.....	
193	SLOW ROTATION	
190-192	STOP	
189	SLOW ROTATION	
.....	
128	FAST ROTATION	
0-127	POSITION	

➤ **ZOOM**

BIT	EFFECT
255	100%
.....
0	0%

➤ **ENLARGE**

BIT	EFFECT
255	100%
.....
0	0%

- **PAN** (略)
- **PAN FINE** (略)
- **TILT** (略)
- **TILT FINE** (略)