MINI 230W BEAM MOVE HEAD

USER MANUAL

Please read over this manual before operation the light

1. Installation and Attention

1.1 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.

1.2 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.

1.3 Safety Precaution

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

1.4 Cable connection（DMX）

Use a cable conforming to specifications EIA RS-485: 2-pole twisted, shielded, 120Ohm characteristic impedance, 22-24 AWG, low capacity. Do not use microphone cable or other cable with characteristics differing from those specified. The end connections must be made using XLR type 3 or 5-pin male/female connectors. A terminating plug must be inserted into the last projector with a resistance of 120Ohm (minimum 1/4 W) between terminals 2 and 3.

IMPORTANT: The wires must not make contact with each other or with the metal casing of the connectors. The casing itself

must   be   connected   to   the   shield   braid   and   to   pin   1   of   the
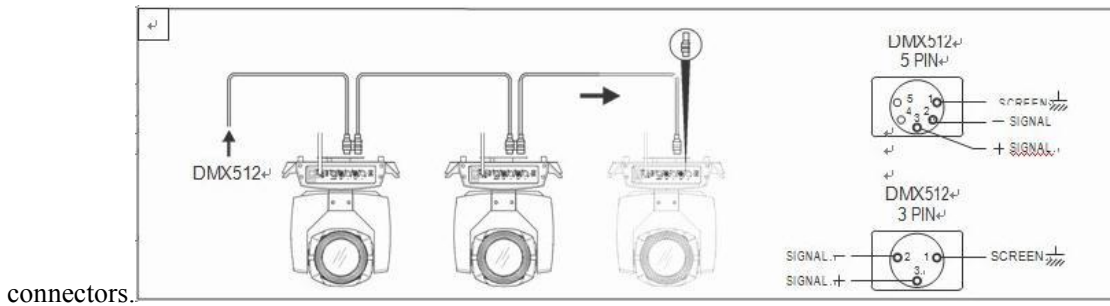

connectors.

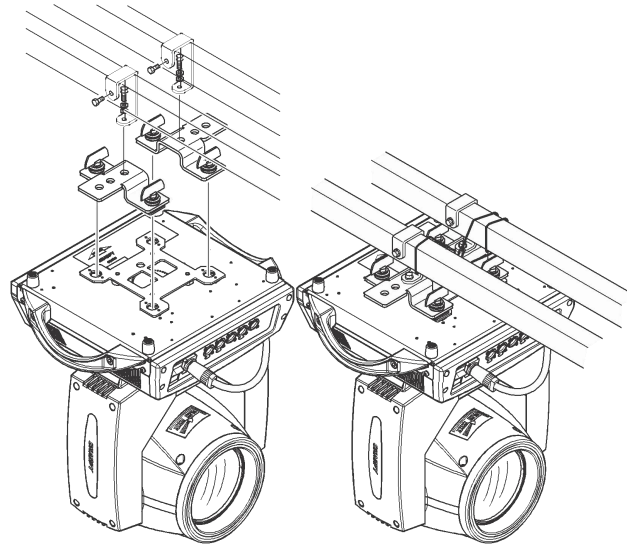Figure 1   DMX Cable connection

1.5   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 equipments, clamps, wirings 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.

2. Product Parameter

Voltage: 100-240V,50/60Hz

Power:350W

Lamp Source : MSD 230w/PHX230w/251W 0sram

Color temperature : 8,500K

Average Life : 2,000Hrs Electrical

Display: Big LCD display selectable, can be turned 180°&record the using time Control

Control Mode : DMX512 automatic and   master/slave mode

Channel : 16CH/18CH

Strobe: heat-proof plastic+module pressing alloy materials

Prism : Rotating 8-facet prism+16 -facet prism

Pan/Tilt Resolution: 14bit Gobos&Colors

Metal Gobos : 1 gobos wheel with 14 gobos+open

Colors : 1 color wheel with 12 fixed colors+open

Optical: Lens optical system achanical focus

Frost: Frost effect

Beam angle: 2°

Movement:Pan 540°/ Tilt 270°

Cooling: Over heat protection

IP level :IP20

Net weight:11KG

3. Channel List

Channel	Channel Mode
	Std.18CH
1	DIMMER ALL
2	EFFECT
3	DIMMER

4	STOP/STROBE
5	PAN
6	TILT
7	PAN-TILT TIME
8	COLOUR
9	GOBO
10	PRISM 1 INSERTION
11	PRISM 2 INSERTION
12	PRISM ROTATION
13	IRIS
14	FROST
15	FOCUS
16	PAN FINE
17	TILT FINE
18	LAMP CONTROL& RESET

➤ **LAMP CONTROL& RESET**

BIT	EFFECT	REMARK
250-255	COMPLETE RESET	Lamp switch passing through the unused range and staying 5 seconds.
211-249	UNUSED RANGE	
200-210	LAMP ON	
111-199	UNUSED RANGE	
100-110	LAMP OFF	
0-99	UNUSED RANGE	

➤ **DIMMER ALL**

BIT	EFFECT	REMARK
255	100%	Control Led Strip and Blackgroup Ligt
……	……	
0	0%	

➤ **EFFECT**

BIT	EFFECT	REMARK
32-255	EFFECT 1-EFFECT 22	Each 10 is one effect
28-31	WHITE	
24-27	PURPLE	
20-23	CYAN	
16-19	YELLOW	
12-15	BLUE	
8-11	GREEN	
4-7	RED	

0-3	NON	

> **STOP/STOBE**

BIT	EFFECT	REMARK
252-255	OPEN	Control by Dimmer Channel
239-251	RANDOM FAST STROBE	
226-238	RANDOM MEDIUM STROBE	
213-225	RANDOM SLOW STROBE	
208-212	OPEN	Control by Dimmer Channel
207	FAST PULSATION	
……	……	
108	SLOW PULSATION	
104-107	OPEN	Control by Dimmer Channel
103	FAST STROBE	
……	……	
4	SLOW STROBE	
0-3	CLOSED	

> **DIMMER**

BIT	EFFECT	REMARK
255	100%	
……	……	
0	0%	

➢ COLOUR

BIT	EFFECT	REMARK
255	FAST ROTATION	Flowing
……	……	
191	SLOW ROTATION	
190	FAST ROTATION	
……	……	
130	SLOW ROTATION	
125-129	COLOUR12 + WHITE	Color vale is 5's multiplue time
120	COLOUR12	
115	COLOUR11+ COLOUR12	
110	COLOUR11	
105	COLOUR10+ COLOUR11	
100	COLOUR10	
95	COLOUR9+ COLOUR10	
90	COLOUR9	
85	COLOUR8+ COLOUR9	
80	COLOUR8	
75	COLOUR7 + COLOUR8	
70	COLOUR7	
65	COLOUR6+ COLOUR7	
60	COLOUR6	
55	COLOUR5+ COLOUR6	
50	COLOUR5	
45	COLOUR4 + COLOUR5	
40	COLOUR4	
35	COLOUR3+ COLOUR4	
30	COLOUR3	
25	COLOUR2 + COLOUR3	
20	COLOUR2	
15	COLOUR1 + COLOUR2	
10	COLOUR1	
5	WHITE +COLOUR1	
0	WHITE	

➢ GOBO

BIT	EFFECT	REAMRK
255	GOBO 13 SHAKE, FAST SPEED	Vale is 5's multiplue time
……	……	
251	GOBO 13SHAKE, SLOW SPEED	
……	……	
190	GOBO 1 SHAKE, FAST SPEED	

......	......	
186	GOBO 1 SHAKE, SLOW SPEED	
185	FAST ROTATION	
......	......	
135	SLOW ROTATION	
130-134	STOP	
129	SLOW ROTATION	
......	......	
70	FAST ROTATION	
65-69	GOBO 13	
60	GOBO 12	
55	GOBO 11	
50	GOBO 10	
45	GOBO 9	
40	GOBO 8	
35	GOBO 7	
30	GOBO 6	
25	GOBO 5	
20	GOBO 4	
15	GOBO 3	
10	GOBO 2	
5	GOBO 1	
0	WHITE	

➢ **PRISM1**

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

➢ **PRISM2**

BIT	EFFECT	REMARK
128-255	PRISM1 INSERTED	
0-127	PRISM1 EXCLUDED	

➢ **PRISM ROTATION**

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

➢ **FROST**

BIT	EFFECT	REMARK
128-255	FROST INSERTED	
0-127	EXCLUDED	

➤ **IRIS**

BIT	EFFECT	REMARK
128-255	IRIS INSERTED	
0-127	EXCLUDED	

➤ **FOCUS**

BIT	EFFECT	REMARK
255	100%	
……	……	
0	0%	

➤ **PAN**
➤ **PAN FINE**
➤ **TILT**
➤ **TILT FINE**
➤ **PAN-TILT TIME**

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