MINI 7R BEAM MOVING HEAD

USER MANUAL

Please read over this manual before operating the light

Chapter 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 misuse. 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 60 degree.
- Always mount this unit in safe and stable matter.
- Install or dismantle should be operated 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 the light, until full-cooling. Frequent switching will reduce the life span of lamps and bulbs; intermittent using will improve the life of bulbs and lights.
- In order to make sure the product is used correctly, please read the Manual carefully.

1.4 Product Instruction

- Lamp: ROCCER 180W
- Channel mode: 19 DMX512 Channel
- Pan scan: 540°(16bit) Electric correction
- Tilt scan: 270° (16bit) Electric correction
- Amazing dot matrix, four tact switch, 180° turning show
- Color wheel: 14colors+white, with rainbow
- Gobo wheel: 13 gobos
- Effect Wheel: 8 prism/8+16prism;
- 0-100% mechanical dimming, mechanical dimming and free dimming available.

- Strobe macro control available;

- Lens optical system alchemical force , beam angle 0～4°;

- Over-heat protection

- Power Input: 100-240V, 50/60Hz

- Power Dissipation: 200W

- IP level :IP20

- Magnetic ballast and AC/Dc power supply

- Product Size：

- Packing Size: 246x185x460mm

- Net weight：8.5KG

1.5 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.
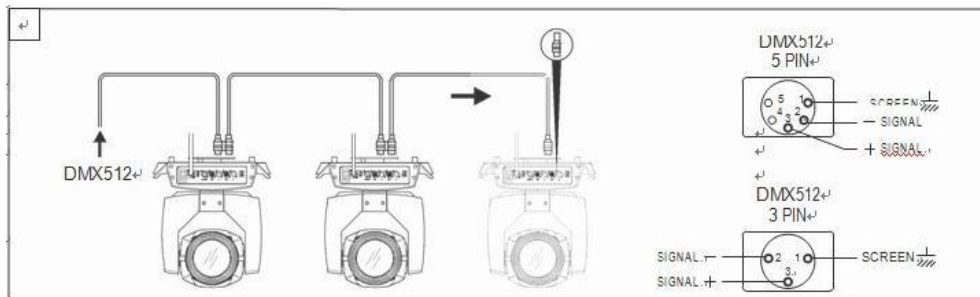

Figure 1   DMX Cable connection

1.6 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.
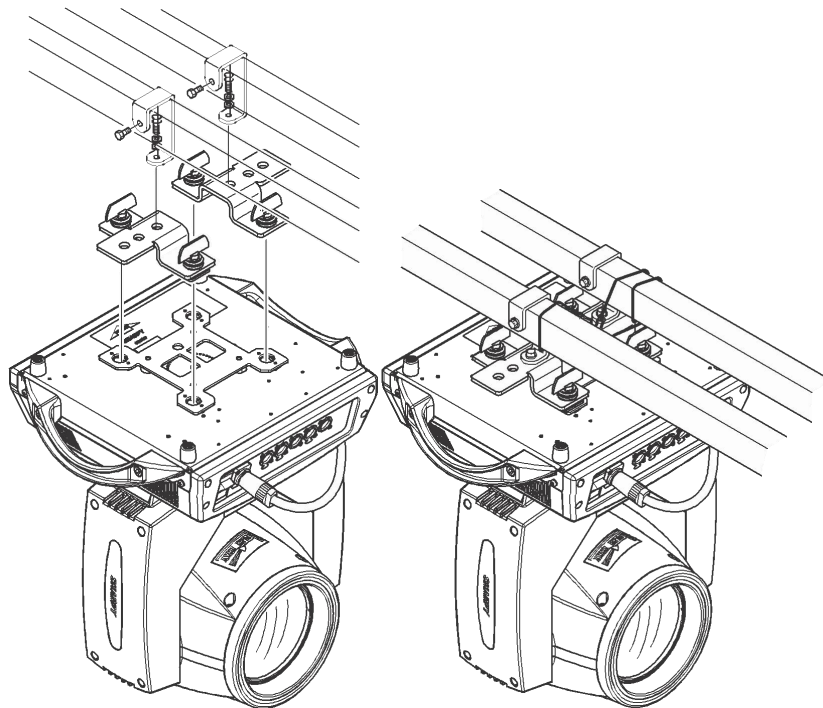
Attention! Two clamps are needed to fix the equipment. Every clamp is locked by fastener of 1/4 kind. Fastener can only be locked clockwise.

Attention! Fasten a safety string to the additional hole of side aluminum piece. The secondary accessory could 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, 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.

Chapter 2 Channel description

TOP	LEVEL 1	LEVEL 2	LEVEL 3
DMX ADDRESS	001-512		
LAMP	LAMP CONTROL	DO NOTHING AND EXIT/OPEN LAMP/CLOSE LAMP	
	POWER ON LAMP ON	ON/<u>OFF</u>	
	AFTER RESET LAMP ON	ON/<u>OFF</u>	
	LAMP BY DMX CONTROL	<u>ON</u>/OFF	
SETTING	CHANNEL MODE	<u>16CH</u>/20CH	
	PAN TILT FEEDBACK	<u>ON</u>/OFF	
	PAN INVERT	ON/<u>OFF</u>	
	TILT INVERT	ON/<u>OFF</u>	
	SWAP PAN TILT	ON/<u>OFF</u>	
	SOUND SENSITIVITY	1-<u>15</u>-30	
DISPLAY	LANGUAGE	ENGLISH/中文	
	DISPLAY INVERSE	YES/<u>NO</u>	
	BACKLIGHT	PERMANENTLY ON/<u>30S OFF</u>	
MANUALLY CONTROL	PAN	<u>0</u>-255	
	PAN FINE	<u>0</u>-255	
	TILT	<u>0</u>-255	
	TILT FINE	<u>0</u>-255	
	PAN&TILE SPEED	<u>0</u>-255	
	STROBE	<u>0</u>-255	
	DIMMER	<u>0</u>-255	
	GOBO	<u>0</u>-255	
	COLOR	<u>0</u>-255	

	FOCUS	0-255	
	PRISM 1	0-255	
	PRISM 1 ROTATE	0-255	
	PRISM 2	0-255	
	PRISM 2 ROTATE	0-255	
	FROST	0-255	
	MULTICOLOR	0-255	
AUTO MODE	MASTER AUTO RUN	RUNNING…*	
	ALONE AUTO RUN	RUNNING…*	
	MASTER SOUND RUN	RUNNING…*	
	ALONE SOUND RUN	RUNNING…*	
FACTORY DEFAULT	YES/NO		
INFORMATION	LAMP STATUS NOW	ON/OFF	
	SOFTWARE VERSION	Vx.x	
	RDM UID	xxx...	
	RESET INFO	X RASTER	
		Y RASTER	
		X HALL	
		Y HALL	
		FOCUS HALL	
		GOBO HALL	
		COLOR HALL	
RESET	YES/NO		
SEND PARAMETERS	YES/NO		

1	Color Wheel	0-3	White
		4-7	
		8-11	Red
		12-15	
		16-19	Orange
		20-23	

		24-27	Blue
		28-31	
		32-25	Green
		36-39	
		40-43	Kelly
		44-47	
		48-51	Bluish Violet
		52-55	
		56-59	Deep purple
		60-63	
		64-67	Yellow
		68-71	
		72-75	Rose Red
		76-79	
		80-83	Light blue
		84-87	
		88-91	Color temperate drop
		92-95	
		96-99	Color temperate rise
		100-103	
		104-107	Rainbow
		108-127	
		128-191	Rainbow effect: fast to slow
		192-255	Rainbow effect: slow to fast
2	Flash	0-3	
		4-103	Off
		104-107	Strobe Slow to Fast
		108-207	On
		208-212	Pulse Strobe Slow to Fast
		213-251	On
		252-255	Random Strobe Slow to Fast

			On
3	Dimmer	0-255	Dark → bright
4	Gobo	0-3	WHITE
		4-7	Gobo1
		8-11	Gobo2
		12-15	Gobo3
		16-18	Gobo4
		20-23	Gobo5
		24-27	Gobo6
		28-31	Gobo7
		32-35	Gobo8
		36-39	Gobo9
		40-43	Gobo10
		44-47	Gobo11
		48-51	Gobo12
		52-55	Gobo13
		56-59	Gobo14
		60-71	Gobo14 Shake (slow to quick)
		72-83	Gobo13 Shake(slow to quick)
		84-95	Gobo12 Shake(slow to quick)
		96-107	Gobo11 Shake(slow to quick)
		108-119	Gobo10 Shake(slow to quick)
		120-131	Gobo9 Shake(slow to quick)
		132-143	Gobo8 Shake(slow to quick)
		144-155	Gobo7 Shake(slow to quick)
		156-167	Gobo6 Shake(slow to quick)
		168-179	Gobo5 Shake(slow to quick)
		180-191	Gobo4 Shake(slow to quick)
		192-203	Gobo3 Shake(slow to quick)
		204-215	Gobo2 Shake(slow to quick)
		216-227	Gobo1 Shake(slow to quick)
		228-255	Rainbow Effect Slow to Fast
5	Prism1	0-4	No prism
		5-19	Prism
		20-139	Prism Angle Adjustment
		140-197	Forward Rotation Slow to Fast
		198-255	Reverse Rotation Slow to Fast
6	Prism 2	0-4	No prism
		5-19	Prism
		20-139	Prism Angle Adjustment

		140-197	Forward Rotation Slow to Fast
		198-255	Reverse Rotation Slow to Fast
7	Rainbow	0-127 128-255	Off Rainbow
8	Frost	0-127 128-255	Off Frost
9	Focus	0-255	Near to Far
10	Pan	0-255	0-540°
11	Pan Fine Adjustment	0-255	0-2.1°
12	Tilt	0-255	0-270°
13	Tilt Fine Adjustment	0-255	0-1°
14	Pan Tilt Speed	0-255	Fast-Slow
15	Reset	0-25 26-255	None Full Reset
16	Lamp Control	0-25 26-100 101-255	NONE Delayed Off Delayed Full Power On
17	Ring Light On and Strobe	0-9 10-49 50-89 90-129 130-169 170-209 210-249 249-255	Off Continuous light Strobe Gradual Brightness Pulse Gradual Dimming Pulse Gradual Brightness Dimming Random Strobe Continuous Light
18	Ring Light Effect	0-255	Multiple Effects

19	Ring Light Effect Speed	0-255	Stop/Slow-Fast"