

6x60w Pixel Beam Zoom Wash Bar

LED Moving Head Light



instructions

Please read this manual carefully before use

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1. Precautions and installation Precautions and installation

1.1. DISCLAImer

Thank you for choosing our products! 8, This product is in good condition and the package is complete when it leaves the factory. For your safe and effective use of this product, before you use this product, please read this manual carefully and completely. This manual contains important information for installation and use. Please install and operate according to the requirements of the manual. At the same time, please keep this manual properly for use at any time.

This manual is subject to technical changes without prior notice.

1.2. Maintenance

- This light fixture is for professional use only.
- If the external flexible cable or wire of this light fixture is damaged, it should be replaced with a dedicated wire or wire provided by the manufacturer or its service agent.
- The light source contained in this luminaire can only be replaced by the manufacturer or its service agent or similarly qualified person.
- Always connect the product to a protected circuit (circuit breaker or fuse). Make sure the product has proper electrical ground to avoid the risk of electrical contact or fire.
- In order to avoid unnecessary wear and extend its service life, the power should be completely cut off by a circuit breaker or unplug when not in use.
- The case may heat up while the product is in operation. This product should be installed in a well-ventilated location.
- The internal electronics of the product when transferring the product from an extreme temperature environment (for example, from a cold truck to a warm, humid auditorium)

The piece may develop dew. To avoid failure, please allow the product to fully adapt to the surrounding environment before switching on the power supply.

- Flash lights have been known to trigger seizures. Users must comply with local notification laws regarding flash use.

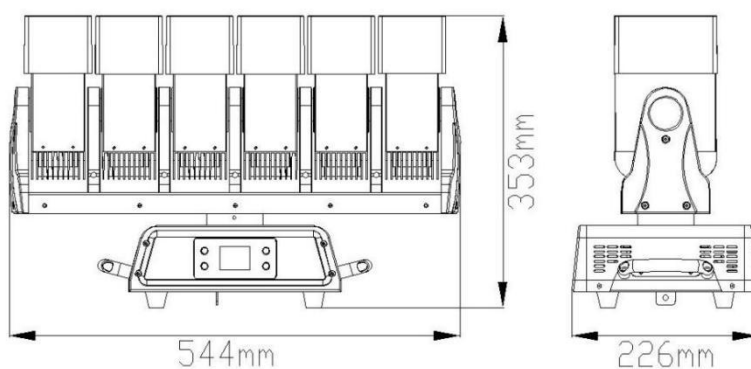
1.3. Product Considerations

- Disconnect the power supply before cleaning the product or replacing the fuse.
- Replace and secure the guards on all power, data, USB, or other ports to IP protection levels when not in use.
- Use safety cords when mounting this product above your head.
- Connect this product to a grounded and protected circuit.
- While the product is on, look at the light source.
- Do not place any flammable materials within 20 cm of this product while operating or turning on the power source.
- Do not operate this product if the case, lens, or cable is damaged.
- Only use handles or lifting/mounting brackets to handle this product.
- To avoid unnecessary wear and tear and extend its service life, the power should be completely cut off by a circuit breaker or unplugging when not in use.
- In case of serious operating problems, the use should be stopped immediately

1.4. Product introduction

- Voltage: AC100~240V 50/60HZ
- Power: 450W
- Light source: 6*60W RGBW LED
- Spot Angle: 4.3° -17.7 °
- Move: XY16bit; X axis 360°+ polar rotation; Y-axis 200°, 150°, 90° can be set

- Control mode: DMX512, self-walking, master-slave, with RDM function.
- Channel: 23CH.28CH.62CH.92CH.94CH
- Dimming: 16bit 0~100% linear dimming
- Features: Single Y-axis swing + stain + beam; RGB to CMY color mixing mode; Linear CTO color temperature adjustment
- Working environment temperature: 0°~ 45°
- Stroboscopic frequency: 1~30HZ
- Appearance: Metal, black
- Connection: DMX512 Input/Output/Power input/Output.
- IP class: IP20
- Dimensions: 544 x 353 x 226MM (21.4" x 8.9" x 13.9")
- Weight: 16.1KG (35.5lbs)



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Figure 1 Schematic diagram of the dimensions of the luminaire

2. Control panel

2.1. Key instructions

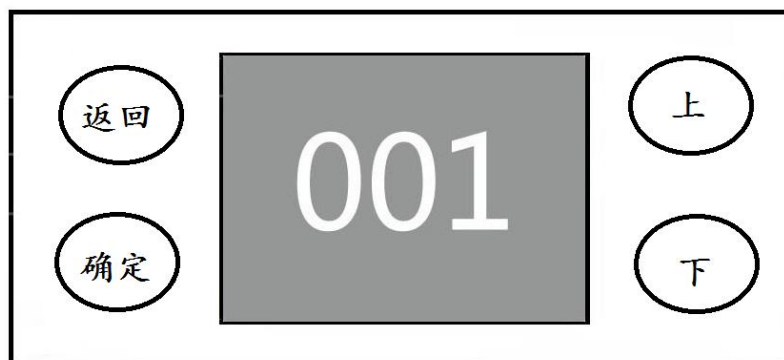


Figure 2 Schematic diagram of panel keys

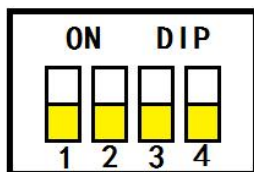
2.2. Settings

Options	Instructions
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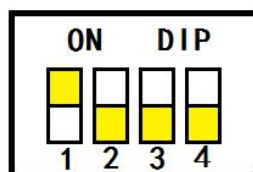
DMX Features	DMX address	1-490		
	Channel	23CH	23 Channel mode	
		38CH	38-channel mode	
		62CH	62 Channel mode	
		92CH	92 Channel mode	
		94CH	94 Channel Mode	
	DMX status	Standby	DMX signal clear	
		Hold	DMX signal hold	
	Observe channel values	Channel1	Detect console data	
		Channel2		
...				
...				
Control setting	Vertical reverse	no	Set the Y-axis to reverse	
		is		
	Vertical Angle	200	Set the Y-axis running Angle	
		90		
		150		
	Vertical self-test	open	When opened, Y does not detect Hall at zero position will automatically reset (ICBC calibration within ±20)	
		close		
	Level self test	open	Automatic correction of out of step due to lost horizontal position	
		close		
	Color mode	RGB	Red green Blue mode	
		CMY	CMY mode	
	Dimming curve	Square	Square	
		Linear	Linear	
		S Curve	Sine	
		Lnv SQ	Inverse square	
	Dimming speed	Smooth	Smooth	
		Fast	Fast	
	LED frequency	16KHz	Fixed 16KHz	
	Pixel inversion	is	Vertical and LED sequence reverse	
		no	Vertical and LED order forward	
	Reset	Standby	Non-functional	
		All	All motor reset	
		Focusing	Focusing motor reset	
		Vertical	Vertical motor reset	
	White Balance	Red	Correct white light color temperature	
		Green		
		Blue		
		White		
	Restore the factory Settings	factory data reset		
	Display	Display reverse	Yes/No	Set screen reverse

Settings	Backlight brightness	1-10	Adjust the screen brightness from dark to light
	Temperature unit	°C	Degrees Celsius
		°F	Degrees Fahrenheit
	Language	Chinese/English	
Equipment Testing	Automated testing	close	
		open	Turn on automatic testing
	Manual testing	Vertical	
		Vertical speed	
		...	
		...	
System information	Software version	Display the software version number	
	Temperature	LED1	Individual LED temperature detection
		...	
	Hall Status	Y-axis Hall	0 when magnetic is detected, 1 otherwise
		Focus Hall	
		...	
	Error recording	View error log	
	Equipment time	Equipment usage time	
LED time	LED usage time		
Permission duration	9999 unlimited; Other values have time limits		
Factory Settings	Reset calibration	Y-axis 1	The reset position of the motor such as X axis and Y axis can be adjusted to make up for the error on the hardware installation. The adjustment range is -128~+127, and +0 indicates no adjustment.
		Focus 1	
		Y-axis 2	
		...	
	Color Calibration	Clear	Press OK to clear the color calibration
		Red 1	0-255 Adjust the single color deviation from dark to light, and the adjustment range is recommended to be controlled between 220-255
		Red 2	
			

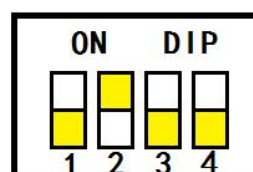
3. Address Settings



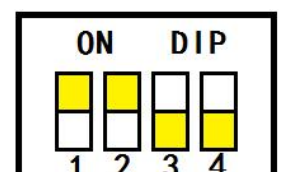
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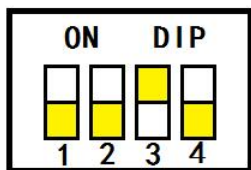
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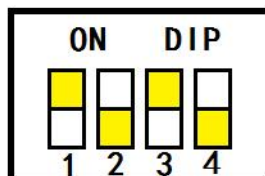
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6

4. Channel table

4.1. Channel Table (23CH) :

passage	Features	Channel values	Effects
1	X-axis	000-255	0 - 100%
2	X-axis trims	000-255	0 - 100%
3	X-axis infinity	001-126 127-129 130-255	Forward turn, fast to slow Stop Reverse, from slow to fast
4	Y-axis 1-6	000-255	0 - 100%
5	Y Fine tune 1-6	000-255	0 - 100%
6	Y Speed	000-255	0 - 100%
7	Y macro function	000-004 005-255	no View (macro Settings)
8	CTC	000 001-255	no From 19000K to 2700K
9	Color macros	000 001-255	no View (Color macro Settings)
10	Pattern (Pattern)	000 001-002	no Pattern 1-255
11	LED Effects	000-015 016-255	no View (LED macro feature)
12	LED Effect speed	000-127 128 129-255	From fast to slow Stop Go from slow to fast
13	LED effect delay	000-255	From fast to slow
14	Background color	000 001-255	no View (background color)
15	Background tone light	000-255	0 - 100%
16	Dimmer light	000-255	0 - 100%
17	Stroboscopic	000-019 020-024	Light valve off View (Stroboscopic Settings)
18	Zoom in 1-6	000-255	0 - 100%
19	Controls	000-009 010-255	no View (Control Settings)
20	Red Cyan	000-255	0 - 100%
21	Green magenta	000-255	0 - 100%
22	Blue yellow	000-255	0 - 100%
23	white	000-255	0 - 100%

4.2. Channel table (38CH) :

Channel	Features	Channel values	Effects
1	X-axis	000-255	0 - 100%
2	X-axis trims	000-255	0 - 100%
3	X-axis infinity	001-126 127-129 130-255	Forward turn, fast to slow Stop Reverse, from slow to fast
4	Y-axis 1	000-255	0 - 100%
5	Y Trimmer 1	000-255	0 - 100%
6	Y Axis 2	000-255	0 - 100%
7	Y Trimmer 2	000-255	0 - 100%
8	Y Axis 3	000-255	0 - 100%
9	Y Trimmer 3	000-255	0 - 100%
10	Y Axis 4	000-255	0 - 100%
11	Y Trimmer 4	000-255	0 - 100%
12	Y Axis 5	000-255	0 - 100%
13	Y Trimmer 5	000-255	0 - 100%
14	Y Axis 6	000-255	0 - 100%
15	Y Trimmer 6	000-255	0 - 100%
16	Y-axis speed	000-255	Fast to slow
17	Y Macro features	000-004 005-255	no View (macro Settings)
18	CTC	000 001-255	no From 19000K to 2700K
19	Color macros	000 001-255	no View (Color macro Settings)
20	Pattern (Pattern)	000 001-002	no Pattern 1-255
21	LED Effects	000-015 016-255	no View (LED macro feature)
22	LED Effect speed	000-127 128 129-255	From fast to slow Stop Go from slow to fast
23	LED Effect Delay	000-255	From fast to slow
24	Background color	000 001-255	no View (background color)
25	Background tone light	000-255	0 - 100%
26	Dimmer light	000-255	0 - 100%
27	Stroboscopic	000-019 020-024	Light valve off View (Stroboscopic Settings)

28	Zoom in 1	000-255	0 - 100%
29	Zoom in 2	000-255	0 - 100%
30	Enlarge 3	000-255	0 - 100%
31	Enlarge 4	000-255	0 - 100%
32	Enlarge 5	000-255	0 - 100%
33	Enlarge 6	000-255	0 - 100%
34	Controls	000-009 010-255	no View (control Settings)
35	Red Cyan	000-255	RGBW pattern: 0-100% / CMY pattern: 100-0%
36	Green magenta	000-255	RGBW pattern: 0-100% / CMY pattern: 100-0%
37	Blue Yellow	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
38	white	000-255	RGBW mode: 0-100% / CMY mode: 100-0%

4.3. Channel table (62CH) :

Channels	Features	Channel values	Effects
1	X-axis	000-255	0 - 100%
2	X-axis trims	000-255	0 - 100%
3	The X-axis has no pole	001-126 127-129 130-255	Forward turn, fast to slow Stop Reverse, from slow to fast
4	Y-axis 1	000-255	0 - 100%
5	Y Trimmer 1	000-255	0 - 100%
6	Y Axis 2	000-255	0 - 100%
7	Y Trimmer 2	000-255	0 - 100%
8	Y Axis 3	000-255	0 - 100%
9	Y Trimmer 3	000-255	0 - 100%
10	Y Axis 4	000-255	0 - 100%
11	Y Trimmer 4	000-255	0 - 100%
12	Y Axis 5	000-255	0 - 100%
13	Y Trimmer 5	000-255	0 - 100%
14	Y Axis 6	000-255	0 - 100%
15	Y Trimmer 6	000-255	0 - 100%
16	Y-axis velocity	000-255	Fast to slow
17	Y Macro features	000-004 005-255	no View (macro Settings)
18	CTC	000 001-255	no From 19000K to 2700K

19	Color macros	000 001-255	no View (Color macro Settings)
20	Pattern (Pattern)	000 001-002	no Pattern 1-255
21	LED Effects	000-015 016-255	no View (LED macro function)
22	LED Effect speed	000-127 128 129-255	From fast to slow Stop Go from slow to fast
23	LED Effect Delay	000-255	From fast to slow
24	Background color	000 001-255	no View (background color)
25	Background tone light	000-255	0 - 100%
26	Dimmer light	000-255	0 - 100%
27	Stroboscopic	000-019 020-024	Light valve off View (Stroboscopic Settings)
28	Zoom in 1	000-255	0 - 100%
29	Zoom in 2	000-255	0 - 100%
30	Enlarge 3	000-255	0 - 100%
31	Enlarge 4	000-255	0 - 100%
32	Enlarge 5	000-255	0 - 100%
33	Enlarge 6	000-255	0 - 100%
34	Controls	000-009 010-255	no View (Control Settings)
35	Red Cyan	000-255	RGBW pattern: 0-100% / CMY pattern: 100-0%
36	Green magenta	000-255	RGBW pattern: 0-100% / CMY pattern: 100-0%
37	Blue Yellow	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
38	white	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
39	Red 1 Cyan 1	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
40	Green 1 magenta 1	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
41	Blue 1 Yellow 1	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
42	White 1	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
43	Red 2 Cyan 2	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
44	Green 2 magenta 2	000-255	RGBW pattern: 0-100% / CMY pattern: 100-0%
45	Blue 2 Yellow 2	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
46	White 2	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
47	Red 3 Cyan 3	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
48	Green 3 magenta 3	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
49	Blue 3 Yellow 3	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
50	White 3	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
51	Red 4 Cyan 4	000-255	RGBW mode: 0-100% / CMY mode: 100-0%

52	Green 4 magenta 4	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
53	Blue 4 Yellow 4	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
54	White 4	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
55	Red 5 Cyan 5	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
56	Green 5 magenta 5	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
57	Blue 5 Yellow 5	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
58	White 5	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
59	Red 6 Cyan 6	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
60	Green 6 magenta 6	000-255	RGBW pattern: 0-100% / CMY pattern: 100-0%
61	Blue 6 Yellow 6	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
62	White 6	000-255	RGBW mode: 0-100% / CMY mode: 100-0%

4.4. Channel table (92CH) :

Channel	Features	Channel value	Effects
1	X-axis	000-255	0 - 100%
2	X-axis trims	000-255	0 - 100%
3	X-axis infinity	001-126 127-129 130-255	Forward turn, fast to slow Stop Reverse, from slow to fast
4	Y-axis 1	000-255	0 - 100%
5	Y Trimmer 1	000-255	0 - 100%
6	Y Axis 2	000-255	0 - 100%
7	Y Trimmer 2	000-255	0 - 100%
8	Y Axis 3	000-255	0 - 100%
9	Y Trimmer 3	000-255	0 - 100%
10	Y Axis 4	000-255	0 - 100%
11	Y Trimmer 4	000-255	0 - 100%
12	Y-axis 5	000-255	0 - 100%
13	Y Trimmer 5	000-255	0 - 100%
14	Y Axis 6	000-255	0 - 100%
15	Y Trimmer 6	000-255	0 - 100%
16	Y-axis speed	000-255	Fast to slow
17	Y Macro features	000-004 005-255	no View (macro Settings)
18	CTC	000 001-255	no From 19000K to 2700K
19	Color macros	000 001-255	no View (Color macro Settings)
20	Pattern (Pattern)	000	no

		001-002	Pattern 1-255
21	LED Effects	000-015 016-255	no View (LED macro feature)
22	LED Effect speed	000-127 128 129-255	From fast to slow Stop Go from slow to fast
23	LED Effect Delay	000-255	From fast to slow
24	Background color	000 001-255	no View (background color)
25	Background tone light	000-255	0 - 100%
26	Background tone light fine tuning	000-255	0 - 100%
27	dimming	000-255	0 - 100%
28	Dimming trims	000-255	0 - 100%
29	Stroboscopic	000-019 020-024	Light valve off View (Stroboscopic Settings)
30	Zoom in 1	000-255	0 - 100%
31	Zoom in 2	000-255	0 - 100%
32	Enlarge 3	000-255	0 - 100%
33	Enlarge 4	000-255	0 - 100%
34	Enlarge 5	000-255	0 - 100%
35	Enlarge 6	000-255	0 - 100%
36	Controls	000-009 010-255	no View (Control Settings)
37	Red Cyan	000-255	RGBW pattern: 0-100% / CMY pattern: 100-0%
38	Red trim Cyan trim	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
39	Green magenta	000-255	RGBW pattern: 0-100% / CMY pattern: 100-0%
40	Green trim magenta trim	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
41	Blue Yellow	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
42	Blue trim Yellow trim	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
43	white	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
44	White Trim	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
45	Red 1 Cyan 1	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
46	Red Trim 1 Cyan trim 1	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
47	Green 1 magenta 1	000-255	RGBW pattern: 0-100% / CMY pattern: 100-0%
48	Green Trim 1 Magenta trim 1	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
49	Blue 1 Yellow 1	000-255	RGBW mode: 0-100% / CMY mode: 100-0%

50	Blue Trim 1 Yellow Trim 1	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
51	White 1	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
52	White Trim 1	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
53	Red 2 Cyan 2	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
54	Red Trim 2 Cyan trim 2	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
55	Green 2 magenta 2	000-255	RGBW pattern: 0-100% / CMY pattern: 100-0%
56	Green Trim 2 Magenta trim 2	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
57	Blue 2 Yellow 2	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
58	Blue Trimmer 2 Yellow Trimmer 2	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
59	White 2	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
60	White Trimmer 2	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
61	Red 3 Cyan 3	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
62	Red Trim 3 Cyan trim 3	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
63	Green 3 magenta 3	000-255	RGBW pattern: 0-100% / CMY pattern: 100-0%
64	Green Trimmer 3 Magenta Trimmer 3	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
65	Blue 3 Yellow 3	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
66	Blue Trimmer 3 Yellow Trimmer 3	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
67	White 3	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
68	White Trimmer 3	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
69	Red 4 Cyan 4	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
70	Red Trim 4 Cyan trim 4	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
71	Green 4 magenta 4	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
72	Green Trim 4 Magenta trim 4	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
73	Blue 4 Yellow 4	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
74	Blue Trimmer 4 Yellow Trimmer 4	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
75	White 4	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
76	White Trim 4	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
77	Red 5 Cyan 5	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
78	Red Trim 5 Cyan trim 5	000-255	RGBW mode: 0-100% / CMY mode: 100-0%

79	Green 5 magenta 5	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
80	Green Trim 5 Magenta trim 5	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
81	Blue 5 Yellow 5	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
82	Blue Trimmer 5 Yellow Trimmer 5	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
83	White 5	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
84	White Trim 5	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
85	Red 6 Cyan 6	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
86	Red trim 6 Cyan trim 6	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
87	Green 6 magenta 6	000-255	RGBW pattern: 0-100% / CMY pattern: 100-0%
88	Green Trimmer 6 Magenta Trimmer 6	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
89	Blue 6 Yellow 6	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
90	Blue Trimmer 6 Yellow Trimmer 6	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
91	White 6	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
92	White Trimmer 6	000-255	RGBW mode: 0-100% / CMY mode: 100-0%

BLUE SEA LIGHTING

4.5. Channel table (94CH) :

Channel	Feature	Channel values	Effects
1	X-axis	000-255	0 - 100%
2	X-axis trims	000-255	0 - 100%
3	X-axis infinity	001-126 127-129 130-255	Forward turn, fast to slow Stop Reverse, from slow to fast
4	Controls	000-009 010-255	no View (Control Settings)
5	Y-axis speed	000-255	Fast to slow
6	Y Macro features	000-004 005-255	no View (macro Settings)
7	CTC	000 001-255	no From 19000K to 2700K
8	Color macros	000 001-255	no View (Color macro Settings)
9	Pattern (Pattern)	000	no

		001-002	Pattern 1-255
10	LED Effects	000-015 016-255	no View (LED macro feature)
11	LED Effect speed	000-127 128 129-255	From fast to slow Stop From slow to fast
12	LED Effect Delay	000-255	From fast to slow
13	Background color	000 001-255	no View (background color)
14	Background tone light	000-255	0 - 100%
15	Background tone light fine tuning	000-255	0 - 100%
16	Stroboscopic	000-019 020-024	Light valve off View (Stroboscopic Settings)
17	Y-axis 1	000-255	0 - 100%
18	Y Trimmer 1	000-255	0 - 100%
19	Y Zoom in 1	000-255	0 - 100%
20	Dimming 1	000-255	0 - 100%
21	Dimmer Trim 1	000-255	0 - 100%
22	Red 1 Cyan 1	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
23	Red Trim 1 Cyan trim 1	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
24	Green 1 magenta 1	000-255	RGBW pattern: 0-100% / CMY pattern: 100-0%
25	Green Trim 1 Magenta trim 1	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
26	Blue 1 Yellow 1	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
27	Blue Trim 1 Yellow Trim 1	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
28	White 1	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
29	White Trim 1	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
30	Y-axis 2	000-255	0 - 100%
31	Y Trimmer 2	000-255	0 - 100%
32	Zoom in 2	000-255	0 - 100%
33	Dimming 2	000-255	0 - 100%
34	Focus Trimmer 2	000-255	0 - 100%
35	Red 2 Cyan 2	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
36	Red Trim 2 Cyan Trim 2	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
37	Green 2 magenta 2	000-255	RGBW pattern: 0-100% / CMY pattern: 100-0%
38	Green Trim 2 Magenta trim 2	000-255	RGBW mode: 0-100% / CMY mode: 100-0%

39	Blue 2 Yellow 2	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
40	Blue Trimmer 2 Yellow Trimmer 2	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
41	White 2	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
42	White Trimmer 2	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
43	Y-axis 3	000-255	0 - 100%
44	Y-axis trimmer 3	000-255	0 - 100%
45	Zoom in 3	000-255	0 - 100%
46	Dimming 3	000-255	0 - 100%
47	Dimmer Trimmer 3	000-255	0 - 100%
48	Red 3 Cyan 3	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
49	Red Trim 3 Cyan trim 3	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
50	Green 3 magenta 3	000-255	RGBW pattern: 0-100% / CMY pattern: 100-0%
51	Green Trimmer 3 Magenta Trimmer 3	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
52	Blue 3 Yellow 3	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
53	Blue Trimmer 3 Yellow Trimmer 3	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
54	White 3	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
55	White Trimmer 3	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
56	Y-axis 4	000-255	0 - 100%
57	Y Trimmer 4	000-255	0 - 100%
58	Y Zoom In 4	000-255	0 - 100%
59	Dimming 4	000-255	0 - 100%
60	Dimmer Trim 4	000-255	0 - 100%
61	Red 4 Cyan 4	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
62	Red Trim 4 Fine Cyan 4	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
63	Green 4 magenta 4	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
64	Green Trim 4 Magenta trim 4	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
65	Blue 4 Yellow 4	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
66	Blue Trimmer 4 Yellow Trimmer 4	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
67	White 4	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
68	White Trim 4	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
69	Y-axis 5	000-255	0 - 100%

70	Y Trimmer 5	000-255	0 – 100%
71	Y Zoom in 5	000-255	0 – 100%
72	Light Dimmer 5	000-255	0 – 100%
73	Dimmer Trim 5	000-255	0 – 100%
74	Red 5 Cyan 5	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
75	Red Trim 5 Cyan trim 5	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
76	Green 5 magenta 5	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
77	Green Trim 5 Magenta trim 5	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
78	Blue 5 Yellow 5	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
79	Blue Trimmer 5 Yellow Trimmer 5	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
80	White 5	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
81	White Trim 5	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
82	Y-axis 6	000-255	0 – 100%
83	Y Trimmer 6	000-255	0 – 100%
84	Y Zoom 6	000-255	0 – 100%
85	Dimmer 6	000-255	0 – 100%
86	Dimmer Trim 6	000-255	0 – 100%
87	Red 6 Cyan 6	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
88	Red Trim 6 Cyan trim 6	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
89	Green 6 magenta 6	000-255	RGBW pattern: 0-100% / CMY pattern: 100-0%
90	Green Trimmer 6 Magenta Trimmer 6	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
91	Blue 6 Yellow 6	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
92	Blue Trimmer 6 Yellow Trimmer 6	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
93	White 6	000-255	RGBW mode: 0-100% / CMY mode: 100-0%
94	White Trimmer 6	000-255	RGBW mode: 0-100% / CMY mode: 100-0%

Pattern:

1	○○○○○○	28	○○○●○○
2	○●●●●●	29	○○●○○●
3	●○○●●●	30	○●○○○●
4	●●○○●●	31	●○○○○○
5	●●●○○●	32	○●○○○○
6	●●●●○●	33	○○●○○○
7	●●●●●○	34	○○○●○○
8	○○●●●●	35	○○○○●○
9	●○○●●●	36	○○○○○●
10	●●○○●●	37	●●○○○○
11	●●●○○●	38	○●●○○○
12	●●●●○○	39	○○●●○○
13	○○○●●●	40	○○○●●○
14	●○○○●●	41	○○○○●●
15	●●○○○●	42	○●●●○○
16	●●●○○○	43	○○●●●○
17	○○●●●○	44	○○○●●●
18	●○●●●○	45	○●○○○●
19	●●○○●○	46	●○○○○○
20	●●●○○○	47	●●○○○○
21	●○●○○○	48	●●○○●○
22	●○○●○○	49	○○○○●●
23	●○○○●○	50	○○●●○●
24	●○○○○○	51	●○○○○○
25	○●○○●●	52	●○○●○○
26	●○○○○●		
27	●●○○○○		



Strobe:

Strobe	000-019	Light valve off
	020-024	Light valve open
	025-064	Strobe from fast to slow
	065-069	Light valve open
	070-084	100-0% strobe, from fast to slow
	085-089	Light valve on
	090-104	0-100% stroboscopic, fast to slow
	105-109	Light valve on
	110-124	Random strobe, from slow to fast
	125-129	Light valve on
	130-144	Random 100-0% strobe from slow to fast
	145-149	Light valve on
	150-164	Random 0-100% strobe from slow to fast
	165-169	Light valve on
	170-184	Pulse stroboscopic 1 Go from fast to
	185-189	slow
	190-204	Light valve on
	205-209	Random pulse stroboscopic, slow to fast
	210-224	Light valve open
	225-229	100-0-100% strobe, from fast to slow
	230-244	Light valve on
	245-255	Random pulse stroboscopic 2, slow to
		fast
		Light valve on

Tilt Macro:

Y macro feature	000-005	no
	006-011	Y Macro function 1
	012-017	Y Macro function 2
	018-023	Y Macro function 3
	024-029	Y Macro function 4
	030-035	Y Macro function 5
	036-041	Y macro function 6
	042-047	Y macro function 7
	048-053	Y Macro function 8
	054-059	Y Macro function 9

060-065	Y macro function 10
066-071	Y macro function 11
072-077	Y macro function 12
078-083	Y Macro function 13
084-089	Y macro function 14
090-095	Y Macro function 15
096-101	Y macro function 16
102-107	Y macro function 17
108-113	Y macro function 18
114-119	Y Macro function 19
120-125	Y Macro function 20
126-131	Y macro function 21
132-137	Y macro function 22
138-143	Y macro function 23
144-149	Y macro function 24
150-155	Y macro function 25 [®]
156-161	Y Macro function 26
162-167	Y macro function 27
168-173	Y Macro function 28
174-179	Y Macro function 29
180-185	Y macro function 30
186-191	Y macro function 31
192-197	Y macro function 32
198-203	Y Macro function 33
204-209	Y macro function 34
210-215	Y macro function 35
216-221	Y macro function 36
222-227	Y macro function 37
228-233	Y Macro function 38
234-239	Y Macro function 39
240-245	Y Macro function 40
246-251	Y Macro function 41
252-255	Y Macro function 42

Color Chart:

Color macros	000	no
	001-002	2700k
	003-004	3200k
	005-006	4200k

	007-008	5600k
	009-010	8000k
	011	blue
	012-048	Blue to cyan
	049	Cyan
	050-086	Cyan to green
	087	green
	088-124	Green to yellow
	125	yellow
	126-162	Yellow to red
	163	red
	164-200	Red to magenta
	201	Magenta
	202-238	Magenta to blue
	239	blue
	240-247	Color off, from fast to slow
	248-255	Color on, fast to slow

LED Macro:

LED	000-000	No effect
Effects	001-006	Effect 1
	007-015	Effect 2
	016-023	Effect 3
	024-031	Effect 4
	032-038	Effect 5
	039-046	Effect 6
	047-054	Effect 7
	055-062	Effect 8
	063-069	Effect 9
	070-077	Effect 10
	078-085	Effect 11
	086-093	Effect 12
	094-100	Effect 13
	101-108	Effect 14
	109-116	Effect 15
	117-124	Effect 16
	125-131	Effect 17
	132-139	Effect 18

140-147	Effect 19
148-155	Effect 20
156-162	Effect 21
163-179	Effect 22
171-178	Effect 23
179-186	Effect 24
187-193	Effect 25
194-201	Effect 26
202-209	Effect 27
210-217	Effect 28
218-224	Effect 29
225-232	Effect 30
233-240	Effect 31
241-248	Effect 31
249-255	Effect 33



Color Chart:

Background	000	no
color	001-002	2700k
	003-004	3200k
	005-006	4200k
	007-008	5600k
	009-010	8000k
	011	blue
	012-048	Blue to cyan
	049	Cyan
	050-086	Cyan to green
	087	green
	088-124	Green to yellow
	125	yellow
	126-162	Yellow to red
	163	red
	164-200	Red to magenta
	201	Magenta
	202-238	Magenta to blue
	239	blue
	240-247	Color gradient, from fast to slow
	248-255	Color jumps, from fast to slow

Control Settings:

Controls	000-009	no
	010-019	Reserved
	020-024	RGBW (Additive) Color mix mode
	025-029	CMY (subtractive) Color mix mode
	030-054	Retain
	055-059	Vertical reset
	060-064	Zoom reset
	065-069	Hold
	070-074	All motor reset
	075-079	Sequence 1-12
	080-084	12-1 in order
	085-089	Hold
	090-094	Vertical reverse open
	095-099	Hold
	100-104	Vertical reverse close
	105-134	Hold
	135-139	Fast dimming
	140-144	Smooth dimming
	145-149	Linear
	150-154	Square
	155-159	Inverse squares
	160-164	S-curve
	165-255	Reserved

5. Error message

5.1. Horizontal and vertical reset error

- Check if the position of the X-axis mounting magnet has fallen off or is damaged;
- Check whether there are other interference items within the operating range of the X axis;
- Check whether the X-axis hall component is damaged;
- Check whether the leads connecting the X-axis Hall components to the PCB board are in poor contact or disconnected;
- Check if the X-axis motor is damaged;
- Check if the related circuit of the X-axis motor drive board is damaged;

5.2. Horizontal and vertical encoder errors

- Check whether the encoder is damaged;
- Check whether the leads of the encoder and the PCB board are in poor contact or disconnected;

5.3. The focus is reset incorrectly

- Check that the location of the focusing mounting magnet has fallen off or is damaged;
- Check whether there are other interference items within the range of focusing operation;
- Check whether the leads connecting the focusing hall component and the PCB board are in poor contact or disconnected;
- Check whether the focusing motor is damaged;
- Check whether the related circuit of the focusing motor drive board is damaged;

5.4. Temperature error

- Check that the temperature detection board is working properly;
- Check whether the components of the temperature detection board are damaged;
- Check whether the lead of the temperature detection board is installed in place or disconnected;

6. Common faults

According to some common faults, the corresponding solutions are put forward. Any problems that cannot be solved should be dealt with by professionals. Disconnect the light fixture from the power supply before maintaining it.

1. The lamp bead does not light, the lamp does not operate, and the fan does not turn

- Check that the voltage that matches the light fixture is installed;
- Check whether the lamp power supply connection or control switch is in poor contact;
- Check whether the power supply is insufficient;
- Check that the DMX512 controller is sending instructions.

2. The light fixture does not accept control from the console after normal reset

- Check luminaire digital start address value and function options are correct;
- Check whether the connection of the communication control line is correct, the communication line is too long or has been interrupted;
- Check whether the control equipment is invalid, check whether the signal amplifier connected to the series is invalid;
- Check whether the communication line is too long or other devices interfere with each other;
- Optimize wiring, shorten the length of the control signal line, high-voltage and low-voltage lines separate wiring;
- Add signal amplifiers;
- Signal line using high quality shielded twisted pair wire;
- Connect the signal terminal resistor (120 ohms) at the end of the lamp.

3. Luminaire does not start

- Check that the power supply parameters are consistent with the luminaire;
- Check the lamps in the long distance transportation process due to extrusion deformation, internal parts vibration, moisture and other reasons, resulting in poor contact Or fall off.
- Please check whether the internal wire integration connector is loose or loose.
- Check whether the electronic components of the lamp (such as electronic transformer, PCB board, motor control board, etc.) are loose, short circuit and burned out.

4. When working, the action of the X axis or Y axis of the luminaire is abnormal

- Check them one by one by following the previous step;
- Check whether the transmission belt corresponding to the X and Y axis direction in the lamp falls off and breaks;
- Check whether the data feedback receiver (Hall) corresponding to the X and Y directions in the luminaire is damaged;
- Restart and reset once.

5. A channel is out of control

- Motor wire is in poor contact or damaged
- Stepper motor may be damaged
- The drive circuit of the motor may be damaged

7. Equipment cleaning

In order to maintain the best performance of the lamp and ensure the best lighting effect, it is absolutely necessary to keep the lamp clean. Lamps must be cleaned regularly to avoid Dust, dirt and flue gas residues, etc. accumulate on the surface or inside of the luminaire, and the frequency of cleaning depends on the application environment. If due to installation construction

If the environment causes dust to enter the lamp, please clean it immediately to avoid damage to the optical part of the lamp due to too much dust.

- It is recommended to use a soft lint-free cloth and a good quality glass cleaning solution, and under no circumstances should solvents be used.
- Wipe the parts carefully to avoid residue of cleaning liquid
- The outside of the lens should be wiped at least once every 20 days and adjusted according to the use environment