

STORMY1500

AQUA



AMAZING
PRODUCTS

Optics

- Light source: white 392pcs, RGB 3in1 784pcs
- Average lifespan: 50000 h
- Color temperature: 6000K (the color temperature channel of the whole lamp is adjustable from 2800-8000K)
- Color rendering index Ra: 90
- Optical output: R:5480 lm; G: 11760 lm; B: 1560 lm; W: 45000 lm; ALL: 63880 lm
- Beam angle: 108° white light: 66 degrees, whole lamp flood angle: 108 degrees
- Main wavelength: R: 622nm; G: 525nm; B: 457nm

Effect

- Uniform RGB white color mixing system
- Fast electronic strobe: 1 ~ 25 Hz
- Refresh rate: 600Hz/1200 Hz/2000 Hz/4000 Hz/6000 Hz/25KHz
- Dimming time-lapse: three types
- Dimming Curves: Four dimming curves
- Vertical scanning: 270°

Software

- Easy and quick upgrade via DMX signal update software
- Intelligent temperature protection to ensure the service life of LED lamp beads
- 0~100% dimming

Control and programming

- Protocol: Standard DMX512/RDM/protocol
- Data connection: 3-core or 5-core signal line input/output,
- DMX channels: 8/11/13/24/30/74/97CH
- Display: TFT display

Lamp body structure and heat dissipation

- Magnesium-aluminum alloy construction
- Adjustable speed, low noise, waterproof fan forced heat dissipation

Power

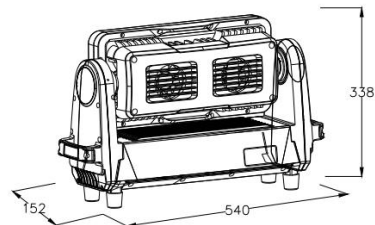
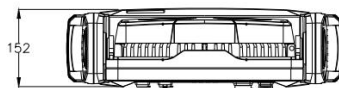
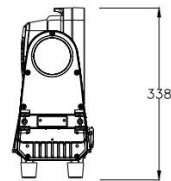
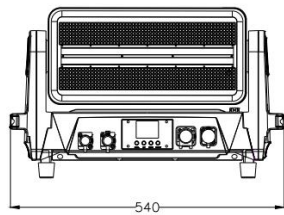
- Input voltage: AC 100V ~ 240V 50/60Hz
- Power connection: waterproof POWERCORN input, output
- Strobe power: 1200W
- Power: 700W

Others

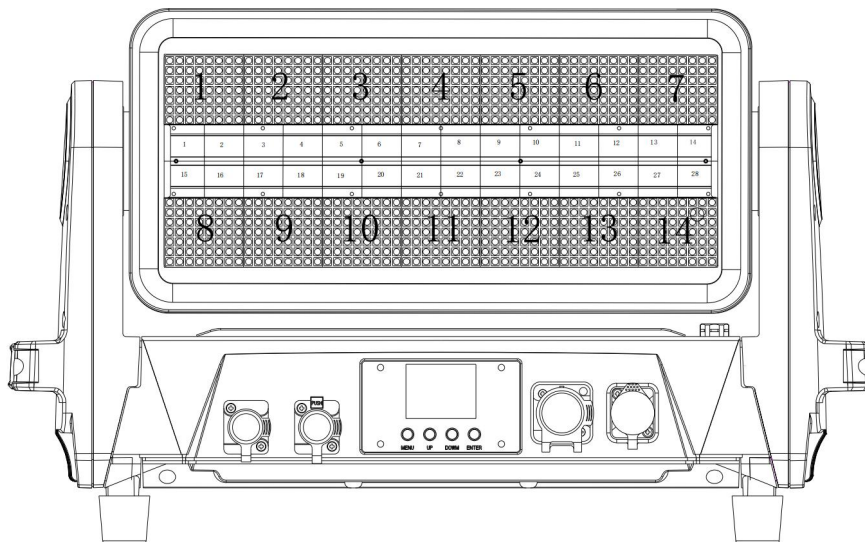
- Degree of protection: IP65
- Working environment: -20°C~ 40°C
- Starting environment: -20°C~ 40°C

Size

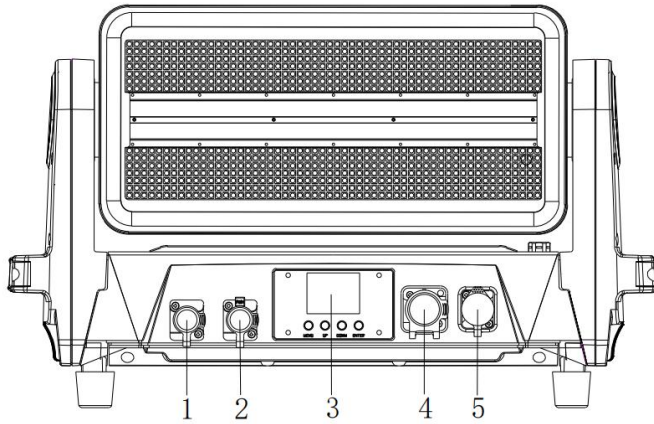
- Size: 540×338×152mm
- Weight: 12.0 kg(excludes clamps and fast locks)



2. Segment control



3.Control Panel



1. DMX input: 3-Pin DMX Waterproof signal cables input

2.Power input: Waterproof POWER CON power cables Input : 100-240V 50/60HZ

3.DMX Output: 3-Pins DMX Waterproof signal cables output

4.Panel operation keys: mode、UP、Down、Enter

5.ART-NET input: Connect network input

6.ART-NEToutput: Connect network output

7.USB input: Type-C input

The specific operations of the panel functions are shown as follows:

The display panel function description

Keys	Explain	Function
MENU	MENU CHOOSING	MENU OPERATION
UP	To the previous option	parameter increase
DOWN	To the latter option	parameter decrease
ENTER	Confirm selected	Parameter save

4. Technical Data

4.1 Technical Data list

Optical parameters	
Light source	1.56W white 392pcs 2835 Leds,1W RGB 3in1 784pcs 5050 Leds
Color Temperature	2800K-8000K
Lumen full output	R:5480 lm; G: 11760 lm; B: 1560 lm; W: 45000 lm; ALL: 63880 lm
Illumination	ALL:/ Lux; R: / Lux; G: / Lux; B: / Lux; W: / Lux; @5 米
CRI	Ra≥90
R9	≥90
Main wave length	R: 622nm; G: 525nm; B: 457nm
Light source life	20000 hours
Beam angle	110°
Dynamic effect	
Strobe	0 ~ 20Hz
Dimmer	4 Dimmer curve, 0 ~ 100% dimming
Electronic parameter	
Input and frequency	100 ~ 240VAC,50 ~ 60Hz
Power	Full bright 700W, Strobe1200W
Power connection	Waterproof POWERCORN input
Signal connection	Waterproof 3-pins DMX signal cables in /out, The max links 32pcs; Waterproof network signal input and output
Power factors	0.95 @230V
Working conditions	-10° ~ 45°
Switch power	100 ~ 240VAC, 50 ~ 60Hz,28V 800W
Structure parameter	
Products size	494×316×160 mm
Weight	Net: 12.0Kg(Clamps and quick lock not included)
Protection rate	IP65
Heat dissipation	Waterproof and low-noise fan to force heat dissipation
Housing	Die-cast magnesium-based aluminum alloy; black
Install mode	Side, hanging
Control	
Control mode	Art-net/DMX512/RDM
DMX Channels	8/11/13/24/30/74/97CH
Display	TFT
Refresh frequency	600Hz/1200 Hz/2000 Hz/4000 Hz/6000 Hz/25KHz
Pixel matrix	White 2*14, Color 2*7

Accessories	
Standard	Power cable 1PCS; Manual 1PCS
Optional	

5 Menu functions

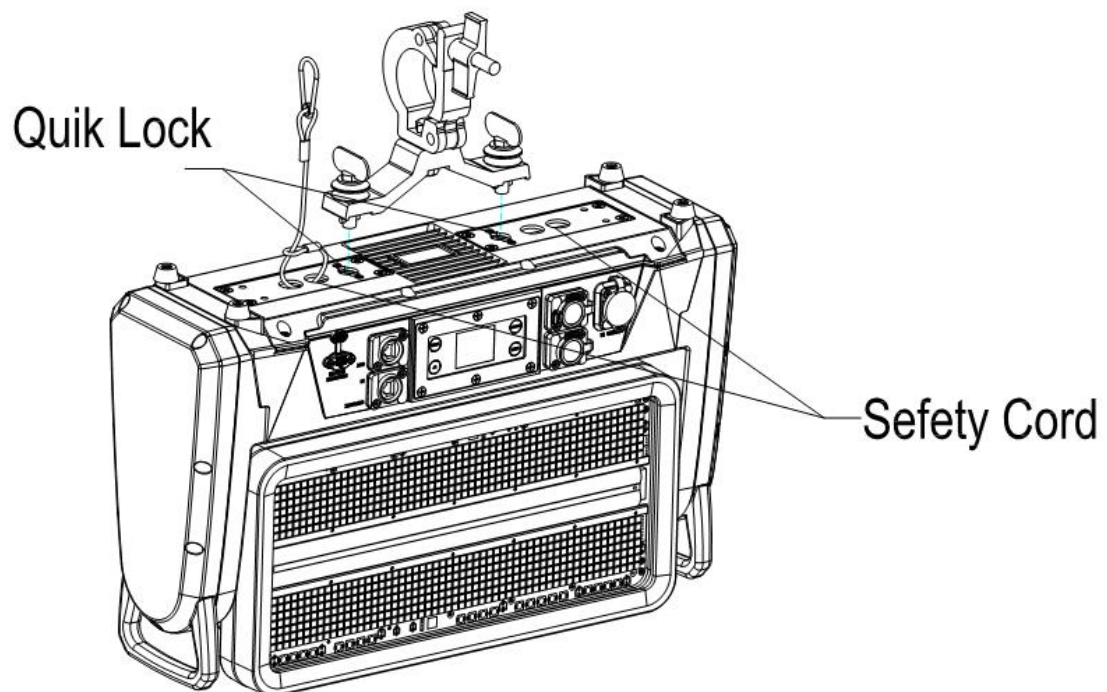
	Main Level	Programming Levels		
1	Protocol	DMX512		
2	DMX Address	1-512*		
3	DMX Channel	8CH		
		11CH		
		13CH		
		24CH		
		30CH		
		74CH		
		97CH		
4	Static	Fixed Color	R	
			G	
			B	
			GB	
			RB	
			RG	
			RGB	
		Manual Color Mixer	Red	0-255
			Green	
			Blue	
5	Plate FX	Plate FX 1 Plate FX 2 Plate FX 3 Plate FX 4 Plate FX 5 Plate FX 6 Plate FX 7 Plate FX 8 Plate FX 9	Speed	1-100
			Plate Intensity	000-255
			Background Color	R
				G
				B
				GB
				RB
				RG
				RGB
				Off
			Foreground Color	R
				G
				B
				GB
				RB

				RG
				RGB
				Off
6	Beam Intensity	000-255		
7	Beam Flash Duration	000-255		
8	Beam Flash Rate	000-255		
9	Tilt	000-255		
10	Tilt Offset	000-255		
11	Tilt Invert	No		
		Yes		
12	Pixel Invert	Plate1 Invert		No
				Yes
		Plate2 Invert		No
				Yes
		Tube1 Invert		No
				Yes
		Tube2 Invert		No
				Yes
13	LED Array Swap	Plate Swap		No
				Yes
		Beam Swap		No
				Yes
14	Master/Slave	Master		
		Slave		
15	Dimmer Mode	OFF		
		DIM1–3		
16	White Balance	Off		
		Manual	Red Green Blue	125-255
17	LED Frequency	600Hz 1200Hz 2000Hz 4000Hz 6000Hz 25000Hz		
18	Fan Mode	Auto		

19	Display Invert	On	
		No	
		Yes	
20	Backlight	10s	
		30s	
		2Min	
		Always On	
21	Key Lock	On	
		Off	
22	Ethernet Setting	Universe	0–255 (ArtNet)
			1–255 (sACN)
		IP Address	2.192.0.1
23	Information	Fixture Hours:	___ Hours
		LED Hours:	__ H
		Disp Ver:	V_ _ _ _ _
		Drv-Y Ver:	V_ _
		LED-A Ver:	V_ _
		LED-C Ver:	V_ _
		Net Ver:	V_ _
		UID	_____
24	Update Firmware	Only this Unit	_____ .CHL
			...
		Multiple Units	_____ .CHL
			...
		Other Fixture Type	_____ .CHL
			...
25	Factory Reset	No	
		Yes	

6. Install and connection

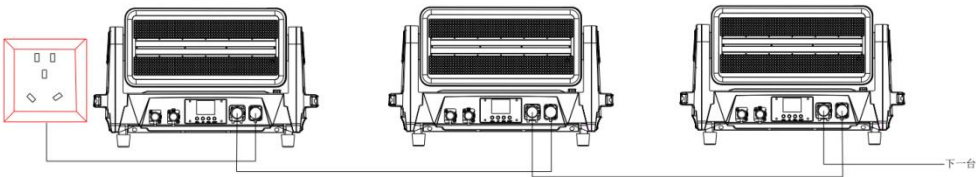
6.1.1 Install diagrammatic



6.1.2 Cautions

Please review the **Safety instructions** carefully before running the fixture

6.2 Power Connection



POWER IN

The fixture use Power con in
Input power cable
Note: Due to power, use 1.5 square power cables

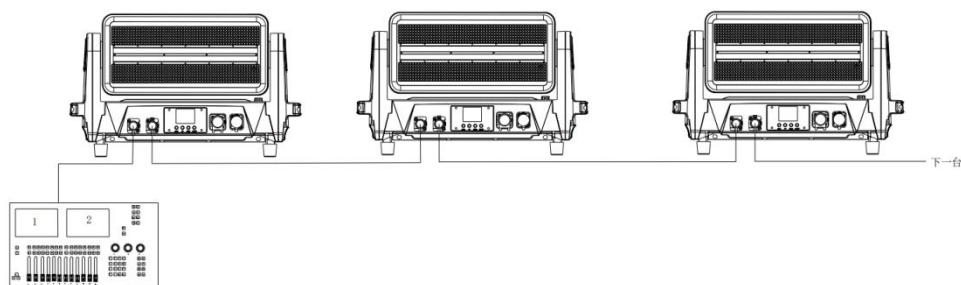


Caution

Do not connect too many fixtures, or overload the work with a single power cable.
Do not use the power cables that damaged insulation, and do not put the power cables on other wires.
Power off when the fixture is not used or clean.
Do not unplug or drag the power cables.

6.3 Signal connection

DMX Connection



DMX connection



In order to reduce signal errors and avoid signal weakening and interference during transmission, a 120 ohm 0.25W resistance can be added between the pins of 2 and 3 at the DMX output of the last fixture.

Connect the fixtures with the XLR signal line, one end is connected to the output port of the light, and the other end is connected to the input port of the next light. Signal lines can only be used in series, not in parallel.

Because the DMX512 signal transmission speed is very fast, when the signal cables is damaged, the welding place is not strong, the contact is not good, will affect the signal transmission, resulting in the system closed.

When the power of a unit is disconnected, the connection between the DMX output and input is bypassed to maintain the connection of the DMX.

Each light should have an address code that can receive information from the console.
DMX512 system need to be equipped with a terminal part to reduce errors in signal transmission.

DMX address settings

Channels	Address code	1 st Add. code	2 nd Add. code	3 rd Add. code	4 th Add. code
8CH	001-008	001	009	017	025
11CH	001-011	001	012	023	034
13CH	001-013	001	014	027	040
24CH	001-024	001	025	049	063
30CH	001-030	001	031	061	091
74CH	001-074	001	075	149	223
97CH	001-097	001	098	195	292

(See above) Number of fixtures added from the fourth set; address code according to channel, and so on.

6.4.1 Channel list

97CH			
Channel	Function	Value	Percent/Setting
1	Tilt	000-255	0-100%
2	Fine tilt	000-255	0-100%
3	Master dimmer	000-255	0-100%
4	Plate dimmer	000-255	0-100%
5	Beam dimmer	000-255	0-100%
6	Plate flash duration	000-009	Classic shutter mode:disables duration control
		010-250	Slow to fast
		251-255	100% On,no flash/strobe
7	Plate flash rate	000-009	100%
		010-250	Slow to fast
		251-255	100%
8	Beam flash duration	000-009	Classic shutter mode:disables duration control
		010-250	Slow to fast
		251-255	100% On,no flash/strobe
9	Beam flash rate	000-009	100%
		010-250	Slow to fast
		251-255	100%
10	Plate pixel 1 red	000-255	0-100%
11	Plate pixel 1 green	000-255	0-100%
12	Plate pixel 1 blue	000-255	0-100%

13	Plate pixel 2 red	000-255	0-100%
14	Plate pixel 2 green	000-255	0-100%
15	Plate pixel 2 blue	000-255	0-100%
16	Plate pixel 3 red	000-255	0-100%
17	Plate pixel 3 green	000-255	0-100%
18	Plate pixel 3 blue	000-255	0-100%
19	Plate pixel 4 red	000-255	0-100%
20	Plate pixel 4 green	000-255	0-100%
21	Plate pixel 4 blue	000-255	0-100%
22	Plate pixel 5 red	000-255	0-100%
23	Plate pixel 5 green	000-255	0-100%
24	Plate pixel 5 blue	000-255	0-100%
25	Plate pixel 6 red	000-255	0-100%
26	Plate pixel 6 green	000-255	0-100%
27	Plate pixel 6 blue	000-255	0-100%
28	Plate pixel 7 red	000-255	0-100%
29	Plate pixel 7 green	000-255	0-100%
30	Plate pixel 7 blue	000-255	0-100%
31	Plate pixel 8 red	000-255	0-100%
32	Plate pixel 8 green	000-255	0-100%
33	Plate pixel 8 blue	000-255	0-100%
34	Plate pixel 9 red	000-255	0-100%
35	Plate pixel 9 green	000-255	0-100%
36	Plate pixel 9 blue	000-255	0-100%
37	Plate pixel 10 red	000-255	0-100%
38	Plate pixel 10 green	000-255	0-100%
39	Plate pixel 10 blue	000-255	0-100%
40	Plate pixel 11 red	000-255	0-100%
41	Plate pixel 11 green	000-255	0-100%
42	Plate pixel 11 blue	000-255	0-100%
43	Plate pixel 12 red	000-255	0-100%
44	Plate pixel 12 green	000-255	0-100%
45	Plate pixel 12 blue	000-255	0-100%
46	Plate pixel 13red	000-255	0-100%
47	Plate pixel 13 green	000-255	0-100%
48	Plate pixel 13 blue	000-255	0-100%
49	Plate pixel 14 red	000-255	0-100%
50	Plate pixel 14 green	000-255	0-100%
51	Plate pixel 14 blue	000-255	0-100%
52	Beam pixel 1	000-255	0-100%
53	Beam pixel 2	000-255	0-100%
54	Beam pixel 3	000-255	0-100%
55	Beam pixel 4	000-255	0-100%

56	Beam pixel 5	000-255	0-100%
57	Beam pixel 6	000-255	0-100%
58	Beam pixel 7	000-255	0-100%
59	Beam pixel 8	000-255	0-100%
60	Beam pixel 9	000-255	0-100%
61	Beam pixel 10	000-255	0-100%
62	Beam pixel 11	000-255	0-100%
63	Beam pixel 12	000-255	0-100%
64	Beam pixel 13	000-255	0-100%
65	Beam pixel 14	000-255	0-100%
66	Beam pixel 15	000-255	0-100%
67	Beam pixel 16	000-255	0-100%
68	Beam pixel 17	000-255	0-100%
69	Beam pixel 18	000-255	0-100%
70	Beam pixel 19	000-255	0-100%
71	Beam pixel 20	000-255	0-100%
72	Beam pixel 21	000-255	0-100%
73	Beam pixel 22	000-255	0-100%
74	Beam pixel 23	000-255	0-100%
75	Beam pixel 24	000-255	0-100%
76	Beam pixel 25	000-255	0-100%
77	Beam pixel 26	000-255	0-100%
78	Beam pixel 27	000-255	0-100%
79	Beam pixel 28	000-255	0-100%
80	Beam FX	000-005	No function
		006-042	Ramp up
		043-085	Ramp down
		086-128	Ramp up-down
		129-171	Random
		172-214	Lightning
		215-255	Spikes
81	Plates foreground	000-000	No function
		001-002	White(2700K)
		003-004	White(3200K)
		005-006	White(4200K)
		007-008	White(5600K)
		009-010	White(8000K)
		011	Blue R:0 G:0 B:255 W:0
		012-048	Green+/Blue R:0 G:+ B:255 W:0

		049	Cyan G:255 W:0	R:0 B:255
		050-086	Green/Blue- G:255 W:0	R:0 B:-
		087	Green G:255 W:0	R:0 B:0
		088-124	Red+/Green G:255 W:0	R:+ B:0
		125	Yellow G:255 W:0	R:255 B:0
		126-162	Red/Green- G:- W:0	R:255 B:0
		163	Red R:255 B:0	G:0 W:0
		164-200	Red/Blue+ G:0 W:0	R:255 B:+
		201	Magenta G:0 W:0	R:255 B:255
		202-238	Red-/Blue G:0 W:0	R:- B:255
		239	Blue G:0 W:0	R:0 B:255
		240-247	Color index,fast to slow	
		248-255	Color snap,fast to slow	
82	Plate foreground dimmer	000-255	0-100%	
83	Plate background	000-000	No function	
		001-002	White(2700K)	
		003-004	White(3200K)	
		005-006	White(4200K)	
		007-008	White(5600K)	
		009-010	White(8000K)	

		011	Blue G:0 W:0	R:0 B:255
		012-048	Green+/Blue G:+ W:0	R:0 B:255
		049	Cyan G:255 W:0	R:0 B:255
		050-086	Green/Blue- G:255 W:0	R:0 B:-
		087	Green G:255 W:0	R:0 B:0
		088-124	Red+/Green G:255 W:0	R:+ B:0
		125	Yellow G:255 W:0	R:255 B:0
		126-162	Red/Green- G:- W:0	R:255 B:0
		163	Red R:255 B:0	G:0 W:0
		164-200	Red/Blue+ G:0 W:0	R:255 B:+
		201	Magenta G:0 W:0	R:255 B:255
		202-238	Red-/Blue G:0 W:0	R:- B:255
		239	Blue G:0 W:0	R:0 B:255
		240-247	Color index,fast to slow	
		248-255	Color snap,fast to slow	
84	Plate background dimmer	000-255	0-100%	
85	Plate 1(pixels 1-7)	000-002	Plate FX All select(all on)	

	FX select (see Pixel Mapping)	003-255	see Plate Patterns
86	Plate 1(pixels 1-7) FX movement speed & direction (see Pixel Mapping)	000-005	No function
		006-124	Left to right,fast to slow
		125-130	No function
		131-249	Right to left,slow to fast
		250-255	No function
87	Plate 1(pixels 1-7)	000-002	Snap from cell to cell
	FX crossfade (see Pixel Mapping)	003-255	Fade duration:short to long
88	Plate 2(pixels 8-14)	000-002	Plate FX All select(all on) see Plate Patterns
	FX select (see Pixel Mapping)	003-255	
89	Plate 2(pixels 8-14) FX movement speed & direction (see Pixel Mapping)	000-005	No function
		006-124	Left to right,fast to slow
		125-130	No function
		131-249	Right to left,slow to fast
		250-255	No function
90	Plate 2(pixels 8-14)	000-002	Snap from cell to cell
	FX crossfade (see Pixel Mapping)	003-255	Fade duration:short to long
91	Beam 1(pixels 1-14)	000-002	Beam FX All select(all on) see Beam Patterns
	FX select (see Pixel Mapping)	003-255	
92	Beam 1(pixels 1-14) FX movement speed & direction (see Pixel Mapping)	000-005	No function
		006-124	Left to right,fast to slow
		125-130	No function
		131-249	Right to left,slow to fast
		250-255	No function
93	Beam 1(pixels 1-14)	000-002	Snap from cell to cell Fade duration:short to long
	FX crossfade (see Pixel Mapping)	003-255	
94	Beam 2(pixels 15-28) FX select (see Pixel Mapping)	000-002	Beam FX All select(all on) see Beam Patterns
		003-255	
95	Beam 2(pixels 15-28)FX movement speed & direction (see Pixel Mapping)	000-005	No function
		006-124	Left to right,fast to slow
		125-130	No function
		131-249	Right to left,slow to fast
		250-255	No function
96	Beam 2(pixels 15-28) FX crossfade (see Pixel Mapping)	000-002	Snap from cell to cell Fade duration:short to long
		003-255	

97	Control*	000-005	No function
		006-010	Off (dimmer mode)
		011-015	Dimmer 1
		016-020	Dimmer 2
		021-025	Dimmer 3
		026-030	600 Hz
		031-035	1200 Hz
		036-040	2000 Hz
		041-045	4000 Hz
		046-050	6000 Hz
		051-055	25 KHz
		056-060	Fan mode auto
		060-065	Fan mode on
		066-070	Tilt reset
		071-075	Plate 1 invert off
		076-080	Plate 1 invert on
		081-085	Plate 2 invert off
		086-090	Plate 2 invert on
		091-095	Beam 1 invert off
		096-100	Beam 1 invert on
		101-105	Beam 2 invert off
		106-110	Beam 2 invert on
		111-115	Plate swap on
		116-120	Plate swap off
		121-125	Beam swap on
		126-130	Beam swap off
		131-255	No function
74CH			
Channel	Function	Value	Percent/Setting
1	Tilt	000-255	0-100%
2	Fine tilt	000-255	0-100%
3	Dimmer	000-255	0-100%
4	Strobe	000-009	Open
		010-079	Strobe,slow to fast
		080-149	Pulse,slow to fast
		150-219	Random Strobe,slow to fast
		220-255	Open
5	Plate pixel 1 red	000-255	0-100%
6	Plate pixel 1 green	000-255	0-100%
7	Plate pixel 1 blue	000-255	0-100%
8	Plate pixel 2 red	000-255	0-100%
9	Plate pixel 2 green	000-255	0-100%

10	Plate pixel 2 blue	000-255	0-100%
11	Plate pixel 3 red	000-255	0-100%
12	Plate pixel 3 green	000-255	0-100%
13	Plate pixel 3 blue	000-255	0-100%
14	Plate pixel 4 red	000-255	0-100%
15	Plate pixel 4 green	000-255	0-100%
16	Plate pixel 4 blue	000-255	0-100%
17	Plate pixel 5 red	000-255	0-100%
18	Plate pixel 5 green	000-255	0-100%
19	Plate pixel 5 blue	000-255	0-100%
20	Plate pixel 6 red	000-255	0-100%
21	Plate pixel 6 green	000-255	0-100%
22	Plate pixel 6 blue	000-255	0-100%
23	Plate pixel 7 red	000-255	0-100%
24	Plate pixel 7 green	000-255	0-100%
25	Plate pixel 7 blue	000-255	0-100%
26	Plate pixel 8 red	000-255	0-100%
27	Plate pixel 8 green	000-255	0-100%
28	Plate pixel 8 blue	000-255	0-100%
29	Plate pixel 9 red	000-255	0-100%
30	Plate pixel 9 green	000-255	0-100%
31	Plate pixel 9 blue	000-255	0-100%
32	Plate pixel 10 red	000-255	0-100%
33	Plate pixel 10 green	000-255	0-100%
34	Plate pixel 10 blue	000-255	0-100%
35	Plate pixel 11 red	000-255	0-100%
36	Plate pixel 11 green	000-255	0-100%
37	Plate pixel 11 blue	000-255	0-100%
38	Plate pixel 12 red	000-255	0-100%
39	Plate pixel 12 green	000-255	0-100%
40	Plate pixel 12 blue	000-255	0-100%
41	Plate pixel 13 red	000-255	0-100%
42	Plate pixel 13 green	000-255	0-100%
43	Plate pixel 13 blue	000-255	0-100%
44	Plate pixel 14 red	000-255	0-100%
45	Plate pixel 14 green	000-255	0-100%
46	Plate pixel 14 blue	000-255	0-100%
47	Beam pixel 1	000-255	0-100%
48	Beam pixel 2	000-255	0-100%
49	Beam pixel 3	000-255	0-100%
50	Beam pixel 4	000-255	0-100%
51	Beam pixel 5	000-255	0-100%
52	Beam pixel 6	000-255	0-100%

53	Beam pixel 7	000-255	0-100%
54	Beam pixel 8	000-255	0-100%
55	Beam pixel 9	000-255	0-100%
56	Beam pixel 10	000-255	0-100%
57	Beam pixel 11	000-255	0-100%
58	Beam pixel 12	000-255	0-100%
59	Beam pixel 13	000-255	0-100%
60	Beam pixel 14	000-255	0-100%
61	Beam pixel 15	000-255	0-100%
62	Beam pixel 16	000-255	0-100%
63	Beam pixel 17	000-255	0-100%
64	Beam pixel 18	000-255	0-100%
65	Beam pixel 19	000-255	0-100%
66	Beam pixel 20	000-255	0-100%
67	Beam pixel 21	000-255	0-100%
68	Beam pixel 22	000-255	0-100%
69	Beam pixel 23	000-255	0-100%
70	Beam pixel 24	000-255	0-100%
71	Beam pixel 25	000-255	0-100%
72	Beam pixel 26	000-255	0-100%
73	Beam pixel 27	000-255	0-100%
74	Beam pixel 28	000-255	0-100%
30CH			
Channel	Function	Value	Percent/Setting
1	Tilt	000-255	0-100%
2	Fine tilt	000-255	0-100%
3	Master dimmer	000-255	0-100%
4	Plate dimmer	000-255	0-100%
5	Beam dimmer	000-255	0-100%
6	Plate flash duration	000-009	Classic shutter mode:disables duration control
		010-250	Slow to fast
		251-255	100% On,no flash/strobe
7	Plate flash rate	000-009	100%
		010-250	Slow to fast
		251-255	100%
8	Beam flash duration	000-009	Classic shutter mode:disables duration control
		010-250	Slow to fast
		251-255	100% On,no flash/strobe

9	Beam flash rate	000-009	100%
		010-250	Slow to fast
		251-255	100%
10	Plates red	000-255	0-100%
11	Plates green	000-255	0-100%
12	Plates blue	000-255	0-100%
13	Beam FX	000-005	No function
		006-042	Ramp up
		043-085	Ramp down
		086-128	Ramp up-down
		129-171	Random
		172-214	Lightning
		215-255	Spikes
14	Plates foreground	000-000	No function
		001-002	White(2700K)
		003-004	White(3200K)
		005-006	White(4200K)
		007-008	White(5600K)
		009-010	White(8000K)
		011	Blue R:0 G:0 B:255 W:0
		012-048	Green+/Blue R:0 G:+ B:255 W:0
		049	Cyan R:0 G:255 B:255 W:0
		050-086	Green/Blue- R:0 G:255 B:- W:0
		087	Green R:0 G:255 B:0 W:0
		088-124	Red+/Green R:+ G:255 B:0 W:0
		125	Yellow R:255 G:255 B:0 W:0
		126-162	Red/Green- R:255 G:- B:0 W:0

		163	Red R:255 G:0 B:0 W:0
		164-200	Red/Blue+ R:255 G:0 B:+ W:0
		201	Magenta R:255 G:0 B:255 W:0
		202-238	Red-/Blue R:- G:0 B:255 W:0
		239	Blue R:0 G:0 B:255 W:0
		240-247	Color index,fast to slow
		248-255	Color snap,fast to slow
15	Plates foreground dimmer	000-255	0-100%
16	Plates background	000-000	No function
		001-002	White(2700K)
		003-004	White(3200K)
		005-006	White(4200K)
		007-008	White(5600K)
		009-010	White(8000K)
		011	Blue R:0 G:0 B:255 W:0
		012-048	Green+/Blue R:0 G:+ B:255 W:0
		049	Cyan R:0 G:255 B:255 W:0
		050-086	Green/Blue- R:0 G:255 B:- W:0
		087	Green R:0 G:255 B:0 W:0
		088-124	Red+/Green R:+ G:255 B:0 W:0

		125	Yellow G:255 W:0	R:255 B:0
		126-162	Red/Green- G:- W:0	R:255 B:0
		163	Red R:255 B:0	G:0 W:0
		164-200	Red/Blue+ G:0 W:0	R:255 B:+
		201	Magenta G:0 W:0	R:255 B:255
		202-238	Red-/Blue G:0 W:0	R:- B:255
		239	Blue G:0 W:0	R:0 B:255
		240-247	Color index,fast to slow	
		248-255	Color snap,fast to slow	
17	Plates background dimmer	000-255	0-100%	
18	Plate 1(pixels 1-7)	000-002	Plate FX All select(all on) see Plate Patterns	
	FX select (see Pixel Mapping)	003-255		
19	Plate 1(pixels 1-7) FX movement speed & direction (see Pixel Mapping)	000-005	No function	
		006-124	Left to right,fast to slow	
		125-130	No function	
		131-249	Right to left,slow to fast	
		250-255	No function	
20	Plate 1(pixels 1-7)	000-002	Snap from cell to cell	
	FX crossfade (see Pixel Mapping)	003-255	Fade duration:short to long	
21	Plate 2(pixels 8-14)	000-002	Plate FX All select(all on) see Plate Patterns	
	FX select (see Pixel Mapping)	003-255		
22	Plate 2(pixels 8-14) FX movement speed & direction (see Pixel Mapping)	000-005	No function	
		006-124	Left to right,fast to slow	
		125-130	No function	
		131-249	Right to left,slow to fast	

		250-255	No function
23	Plate 2(pixels 8-14)	000-002	Snap from cell to cell
	FX crossfade (see Pixel Mapping)	003-255	Fade duration:short to long
24	Beam 1(pixels 1-14)	000-002	Beam FX All select(all on) see Beam Patterns
	FX select (see Pixel Mapping)	003-255	
25	Beam 1(pixels 1-14) FX movement speed & direction (see Pixel Mapping)	000-005	No function
		006-124	Left to right,fast to slow
		125-130	No function
		131-249	Right to left,slow to fast
		250-255	No function
26	Beam 1(pixels 1-14)	000-002	Snap from cell to cell Fade duration:short to long
	FX crossfade (see Pixel Mapping)	003-255	
27	Beam 2(pixels 15-28) FX select (see Pixel Mapping)	000-002	Beam FX All select(all on) see Beam Patterns
		003-255	
28	Beam 2(pixels 15-28)FX movement speed & direction (see Pixel Mapping)	000-005	No function
		006-124	Left to right,fast to slow
		125-130	No function
		131-249	Right to left,slow to fast
		250-255	No function
29	Beam 2(pixels 15-28) FX crossfade (see Pixel Mapping)	000-002	Snap from cell to cell Fade duration:short to long
		003-255	
30	Control*	000-005	No function
		006-010	Off (dimmer mode)
		011-015	Dimmer 1
		016-020	Dimmer 2
		021-025	Dimmer 3
		026-030	600 Hz
		031-035	1200 Hz
		036-040	2000 Hz
		041-045	4000 Hz
		046-050	6000 Hz
		051-055	25 KHz
		056-060	Fan mode auto
		060-065	Fan mode on
		066-070	Tilt reset
		071-075	Plate 1 invert off
		076-080	Plate 1 invert on
		081-085	Plate 2 invert off

		086-090	Plate 2 invert on
		091-095	Beam 1 invert off
		096-100	Beam 1 invert on
		101-105	Beam 2 invert off
		106-110	Beam 2 invert on
		111-115	Plate swap on
		116-120	Plate swap off
		121-125	Beam swap on
		126-130	Beam swap off
		131-255	No function
24CH			
Channel	Function	Value	Percent/Setting
1	Tilt	000-255	0-100%
2	Fine tilt	000-255	0-100%
3	Master dimmer	000-255	0-100%
4	Plate dimmer	000-255	0-100%
5	Beam dimmer	000-255	0-100%
6	Plate flash duration	000-009	Classic shutter mode:disables duration control
		010-250	Slow to fast
		251-255	100% On,no flash/strobe
7	Plate flash rate	000-009	100%
		010-250	Slow to fast
		251-255	100%
8	Beam flash duration	000-009	Classic shutter mode:disables duration control
		010-250	Slow to fast
		251-255	100% On,no flash/strobe
9	Beam flash rate	000-009	100%
		010-250	Slow to fast
		251-255	100%
10	Plates red	000-255	0-100%
11	Plates green	000-255	0-100%
12	Plates blue	000-255	0-100%
13	Beam FX	000-005	No function
		006-042	Ramp up
		043-085	Ramp down
		086-128	Ramp up-down
		129-171	Random
		172-214	Lightning

		215-255	Spikes
		000-000	No function
		001-002	White(2700K)
		003-004	White(3200K)
		005-006	White(4200K)
		007-008	White(5600K)
		009-010	White(8000K)
		011	Blue R:0 G:0 B:255 W:0
		012-048	Green+/Blue R:0 G:+ B:255 W:0
		049	Cyan R:0 G:255 B:255 W:0
		050-086	Green/Blue- R:0 G:255 B:- W:0
		087	Green R:0 G:255 B:0 W:0
		088-124	Red+/Green R:+ G:255 B:0 W:0
		125	Yellow R:255 G:255 B:0 W:0
		126-162	Red/Green- R:255 G:- B:0 W:0
		163	Red G:0 R:255 B:0 W:0
		164-200	Red/Blue+ R:255 G:0 B:+ W:0
		201	Magenta R:255 G:0 B:255 W:0
		202-238	Red-/Blue R:- G:0 B:255 W:0
14	Plates foreground		

		239	Blue G:0 W:0 R:0 B:255
		240-247	Color index,fast to slow
		248-255	Color snap,fast to slow
15	Plates foreground dimmer	000-255	0-100%
16	Plates background	000-000	No function
		001-002	White(2700K)
		003-004	White(3200K)
		005-006	White(4200K)
		007-008	White(5600K)
		009-010	White(8000K)
		011	Blue G:0 W:0 R:0 B:255
		012-048	Green+/Blue G:0 W:0 R:0 B:255
		049	Cyan G:255 W:0 R:0 B:255
		050-086	Green/Blue- G:255 W:0 R:0 B:-
		087	Green G:255 W:0 R:0 B:0
		088-124	Red+/Green G:255 W:0 R:0 B:0
		125	Yellow G:255 W:0 R:255 B:0
		126-162	Red/Green- G:- W:0 R:255 B:0
		163	Red R:255 B:0 G:0 W:0
		164-200	Red/Blue+ G:0 W:0 R:255 B:0

		201	Magenta G:0 W:0	R:255 B:255
		202-238	Red-/Blue G:0 W:0	R:- B:255
		239	Blue G:0 W:0	R:0 B:255
		240-247	Color index,fast to slow	
		248-255	Color snap,fast to slow	
17	Plates background dimmer	000-255	0-100%	
18	Plates 1&2	000-002	Plate FX All select(all on) see Plate Patterns	
	FX select (see Pixel Mapping)	003-255		
19	Plates 1&2 FX movement speed & direction (see Pixel Mapping)	000-005	No function	
		006-124	Left to right,fast to slow	
		125-130	No function	
		131-249	Right to left,slow to fast	
		250-255	No function	
20	Plates 1&2	000-002	Snap from cell to cell	
	FX crossfade (see Pixel Mapping)	003-255	Fade duration:short to long	
21	Beams 1&2	000-002	Beam FX All select(all on) see Beam Patterns	
	FX select (see Pixel Mapping)	003-255		
22	Beams 1&2 FX movement speed & direction (see Pixel Mapping)	000-005	No function	
		006-124	Left to right,fast to slow	
		125-130	No function	
		131-249	Right to left,slow to fast	
		250-255	No function	
23	Beams 1&2	000-002	Snap from cell to cell Fade duration:short to long	
	FX crossfade (see Pixel Mapping)	003-255		
24	Control*	000-005	No function	
		006-010	Off (dimmer mode)	
		011-015	Dimmer 1	
		016-020	Dimmer 2	
		021-025	Dimmer 3	
		026-030	600 Hz	
		031-035	1200 Hz	
		036-040	2000 Hz	

		041-045	4000 Hz
		046-050	6000 Hz
		051-055	25 KHz
		056-060	Fan mode auto
		060-065	Fan mode on
		066-070	Tilt reset
		071-075	Plate 1 invert off
		076-080	Plate 1 invert on
		081-085	Plate 2 invert off
		086-090	Plate 2 invert on
		091-095	Beam 1 invert off
		096-100	Beam 1 invert on
		101-105	Beam 2 invert off
		106-110	Beam 2 invert on
		111-115	Plate swap on
		116-120	Plate swap off
		121-125	Beam swap on
		126-130	Beam swap off
		131-255	No function
13CH			
Channel	Function	Value	Percent/Setting
1	Tilt	000-255	0-100%
2	Fine tilt	000-255	0-100%
3	Plate dimmer	000-255	0-100%
4	Beam dimmer	000-255	0-100%
5	Plate flash duration	000-009	Classic shutter mode:disables duration control
		010-250	Slow to fast
		251-255	100% On,no flash/strobe
6	Plate flash rate	000-009	100%
		010-250	Slow to fast
		251-255	100%
7	Beam flash duration	000-009	Classic shutter mode:disables duration control
		010-250	Slow to fast
		251-255	100% On,no flash/strobe
8	Beam flash rate	000-009	100%
		010-250	Slow to fast
		251-255	100%
9	Plates red	000-255	0-100%

10	Plates green	000-255	0-100%
11	Plates blue	000-255	0-100%
12	Beam FX	000-005	No function
		006-042	Ramp up
		043-085	Ramp down
		086-128	Ramp up-down
		129-171	Random
		172-214	Lightning
		215-255	Spikes
13	Control*	000-005	No function
		006-010	Off (dimmer mode)
		011-015	Dimmer 1
		016-020	Dimmer 2
		021-025	Dimmer 3
		026-030	600 Hz
		031-035	1200 Hz
		036-040	2000 Hz
		041-045	4000 Hz
		046-050	6000 Hz
		051-055	25 KHz
		056-060	Fan mode auto
		060-065	Fan mode on
		066-070	Tilt reset
		071-075	Plate 1 invert off
		076-080	Plate 1 invert on
		081-085	Plate 2 invert off
		086-090	Plate 2 invert on
		091-095	Beam 1 invert off
		096-100	Beam 1 invert on
		101-105	Beam 2 invert off
		106-110	Beam 2 invert on
		111-115	Plate swap on
		116-120	Plate swap off
		121-125	Beam swap on
		126-130	Beam swap off
		131-255	No function
11CH			
Channel	Function	Value	Percent/Setting
1	Tilt	000-255	0-100%
2	Fine tilt	000-255	0-100%
3	Dimmer	000-255	0-100%

4	Plate flash duration	000-009	Classic shutter mode:disables duration control
		010-250	Slow to fast
		251-255	100% On,no flash/strobe
5	Plate flash rate	000-009	100%
		010-250	Slow to fast
		251-255	100%
6	Beam flash duration	000-009	Classic shutter mode:disables duration control
		010-250	Slow to fast
		251-255	100% On,no flash/strobe
7	Beam flash rate	000-009	100%
		010-250	Slow to fast
		251-255	100%
8	Plates red	000-255	0-100%
9	Plates green	000-255	0-100%
10	Plates blue	000-255	0-100%
11	Beam	000-255	0-100%
8CH			
Channel	Function	Value	Percent/Setting
1	Tilt	000-255	0-100%
2	Fine tilt	000-255	0-100%
3	Dimmer	000-255	0-100%
4	Strobe	000-009	Open
		010-079	Strobe,slow to fast
		080-149	Pulse,slow to fast
		150-219	Random Strobe,slow to fast
		220-255	Open
5	Red	000-255	0-100%
6	Green	000-255	0-100%
7	Blue	000-255	0-100%
8	Beam	000-255	0-100%

7 Trouble shooting

Problems	Problems reason	Settlement
No menu display	1. No AC input 2. The switch power is damaged 3. Display board failure	1. Check the power supply 2. Check the switch power supply for a voltage output 3. Replace the display board
DMX signal failed ,no input /output	1.DMX signal is not good 2. signal cables sequence is wrong 3. The signal input receives the signal IC is damaged 4.DMX The address code setting does not match the control corresponding to the console 5. Other parameters are not set correctly 6. After entering the menu, you did not press the confirmation key or the MENU key to exit to the main menu	1. Check or replace the signal line 2. Check the wiring sequence of the signal cables 3. Check the display board signal receiving IC and two resistors that string on the signal line for open circuit 4. Check, or reset, the address code Or restore the factory settings before testing 5. Press MENU to exit to the main menu
Light housing surface temperature $> 75^{\circ}$, Temperature control protection cannot be performed	1. Thermistor failure on the light bead board 2. The temperature control circuit on the display board has failed	1. Replace the thermistor 2. Check the temperature control circuit on the main board
The mixed color is not uniform, there are uneven spots	1. The Led bead welding is not correct 2. Lens or brackets are not mounted in right way	1. Check the leds welding condition 2. Check the lens assembly process and adjust the bracket assembly direction
The Led beads are not light or flicker a little	The Led is damaged or the drive board has no current output	1. Replace the Leds 2. Replace the damaged Leds or check the drive board circuit 3. Replace the corresponding driver IC
The parameter is not saved	IC for storage parameters	Replace storage IC
The fixture does not work in power	When the temperature is too high, the temperature control protection causes the switching power supply over-temperature protection does not work	Wait for the light body to cool down before turning on

REMARK

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

Errors and omissions for every information given in this manual excepted.

All information is subject to change without prior notice.

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