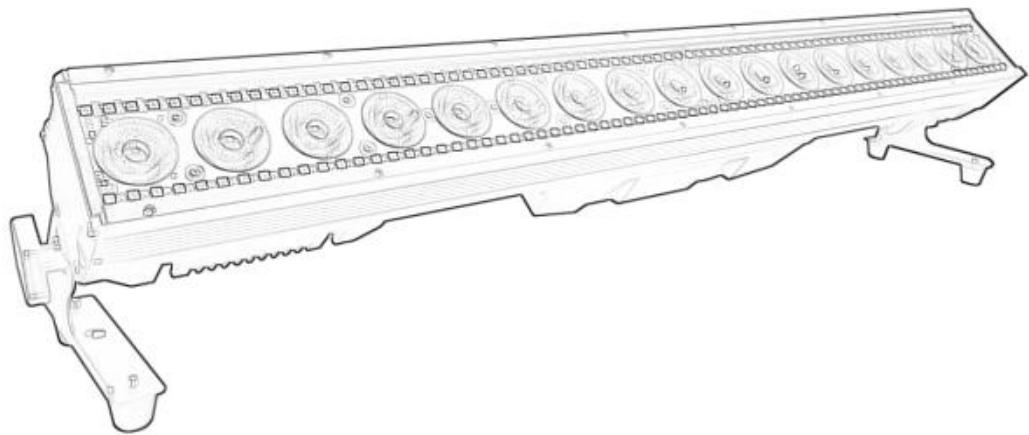


# User manual



## **LEDBAR 18 PXL IP**

Please read the instructions carefully before use

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## STATEMENT

The product has well capability and intact packing when leave factory. All of the user should comply with warning item and manual, any misuse cause of the damages are not included in our guarantee, and also can not be responsible for any malfunction & problem owing to ignore the manual.

## 1. Safety Instructions

Please keep this User Guide for future consultation. If you sell the unit to another user, be sure that they also receive this instruction booklet.

- Unpack and check carefully there is no transportation damage before using the unit.
- Before operating, ensure that the voltage and frequency of power supply match the power requirements of the unit.
- It's important to ground the yellow/green conductor to earth in order to avoid electric shock.
- The unit must be installed in a location with adequate ventilation, at least 50cm from adjacent surfaces. Be sure that no ventilation slots are blocked.
- Disconnect main power before replacement or servicing.
- Make sure there are no flammable materials close to the unit while operating as it is fire hazard.
- Use safety cable when fixes this unit. DO NOT handle the unit by taking its head only, but always by taking its base.
- Maximum ambient temperature is Ta: 40°C. DO NOT operate it where the temperature is higher than this Unit surface temperature may reach up to 85°C. DO NOT touch the housing bare-hand during its operation. Turn off the power and allow about 15 minutes for the unit to cool down before replacing or serving.
- In the event of serious operating problem, stop using the unit immediately. Never try to repair the unit by yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center. Always use the same type spare parts.
- DO NOT touch any wire during operation as high voltage might be causing electric shock.

### Warning:

- To prevent or reduce the risk of electrical shock or fire, do not expose the unit to rain or moisture.
- The housing, the lenses, or the ultraviolet filter must be replaced if they are visibly damaged.

### Caution:

- There are no user serviceable parts inside the unit. DO NOT open the housing or attempt any repairs yourself. In the unlikely event your unit may require service, please contact your nearest dealer.

### Installation:

- The unit should be mounted via its screw holes on the bracket. Always ensure that the unit is firmly fixed to avoid vibration and slipping while operating. And make sure that the structure to which you are attaching the unit is secure and is able to support a weight of 10 times of the unit's weight. Also always use a safety cable that can hold 12 times of the weight of the unit when installing the fixture.
- The equipment must be fixed by professionals. And it must be fixed at a place where is out of the touch of people.

## 2.Techical Specifications

Light source:18\*30W RGBWAUV 6in1 Led,auxiliary light 160\*0.5W RGB LED

Led pixel control effect with electronic atomization+artnet

Four side of bar can be freely spliced

Max consumption Power: 400W

Beam angle:20° (6° /10° /12° /15° /25° /40° optional)

DMX Channel:10/229/67/38/21/87CH

Control: DMX512/Auto Run/Master-Slave/RDM

Display:LCD display

IP Rate: IP65

Strong aluminum housing and IP65 cooling fan

Rich build-in color & pattern Marco effect

Seetronic power & XRL in/out waterproof socket

Omega quick lock system brackets

Dimension:1000\*100\*85mm;

NW:8.55KG

Optional accessories:

①.Filter; ②, floor base; ③.hanger bracket;④: hooks

## 3.Control Menu



### Display:

- A. function key
- B. add key
- C. reduction key
- D. determine key

**LCD Display Function** ( Press and hold the Determine button for 2 seconds on any of the following interfaces to display temperature, release to restore)

No.	Main Menu	Secondary menu	Third menu	Function	Description
1	DMX_010/229/0 67/038/021/087 A 001			Channel address code	Range: 001 — 512 Note: When receiving DMX signal, the “_” in the first line of display will flash at intervals.
2	DMX_CH 021CH			Channel Mode	x x:010 /229/067/038/021/087
3	DM X Protocol	DMX		DMX Connection	* represents selected Automatic connection with DMX signal priority
		ArtNet		ArtNet Connect	
		SACN		SACN connection	
		Auto		Automatic connection	
4	Net_Conf	IP Address		When the mainboard is connected to the network module and the connection protocol is not DMX, the configuration information of the network module is automatically read, and the configuration information of the module can also be modified by pressing a button  If the network module is not successfully connected, the value will be displayed as 0	
		Submask			
		ArtNet	Net		
			Subnet		
			Universe		
			Port		
		SACN	Universe		
5	ZM *00			Main light macro function effect	00-41 * changes to -: represents selection 00: Do not execute the main light effect 01: Key light gradient 02: Main light pulse changes 03: Main light jump 04: Summary of key

5	ZM *00			Main light macro function effect	light patterns 05-41: Various main light patterns 【Use color wheel to implement lighting effects】
	ZS 99			Main light macro function effect speed	00-99
6	FM *00			Auxiliary light macro function effect	00-80 * changes to -: represents selection 00: Do not execute the main light effect 01: Fill light gradient 02: Auxiliary light pulse change 03: Auxiliary light jump 04: Auxiliary Light Pattern Summary 05-80: Various patterns of auxiliary light 【Use color wheel to implement lighting effects】
	FS 99			Auxiliary light macro function effect speed	00-99
7	SM *00			Voice control mode	00-07 * changes to -: represents selection SM 00: Summary of main light sound control patterns SM 01: Auxiliary Light and Voice Control Pattern Summary SM 02-04: Various sound-controlled patterns of the main light

7	SM *00			Voice control mode	SM 05-07: Various voice-controlled patterns for auxiliary light 【Use color wheel to implement lighting effects】
	SS 99			Voice control sensitivity	00-99
8	Z_Red 000			Static main light red	000-255
9	Z_Green 000			Static main light green	000-255
10	Z_Blue 000			Static main light blue	000-255
11	Z_White 000			Static main light white	000-255
12	Z_Amber 000			Static main light amber	000-255
13	Z_Purple 000			Static main light purple	000-255
14	F_Red 000			Static fill light red	000-255
15	F_Green 000			Static fill light green	000-255
16	F_Blue 000			Static fill light blue	000-255
17	ATOM AT: 000			Glass fogging	000-255

## LED background display window function

NO.	Value	Function
1	Current Z_R: 220	Main light R color current, 020-255
2	Current Z_G: 205	Main light G color current, 020-255
3	Current Z_B: 205	Main light B color current, 020-255
4	Current Z_W: 205	Main light W color current, 020-255
5	Current Z_A: 235	Main light A color current, 020-255
6	Current Z_P: 215	Main light P color current, 020-255
7	Current F_R: 235	Auxiliary light R color current, 020-255
8	Current F_G: 235	Auxiliary light G color current, 020-255
9	Current F_B: 235	Auxiliary light B color current, 020-255
10	Power Z_D: 235	Limit total power, 050-255 Limit key light only
11	Push NO	NO (host background setting parameters) do not push to the slave  The YSE host pushes the slave to update the slave's background parameters Note: Please make sure that the signal line between the host and the slave is connected and powered on. The slave is set to DMX512 mode. After the host enters this option, do not rush to exit and wait for the slave's LED to flash to indicate that the slave has been updated successfully. At this time, the host can exit.
12	Reset NO	NODo not restore factory settings  Yes to restore factory settings When restoring to factory settings, the current value and total power limit will not be restored.
13	Temp D: 55	Lamp body temperature setting, 40-70 Note: This function will only work after the lamp body is connected to the temperature control resistor
14	D-State OFF	OFF DMX512 signal is not retained (the light enters the off state after the signal is cut off)  HOLD DMX512 signal hold (lights remain in the same state before signal cutoff after signal cutoff)
15	Screen ON	OFF display backlight is always on

15	Screen ON	Turn on the display backlight for 30 seconds and enter the screen saver
16	Fan Control	<p>Control fan is controlled by temperature and light Note: The fan starts when the temperature is above 45 degrees and the light is on. The fan stops when the temperature is below 40 degrees regardless of whether the light is on. If the temperature control is not connected, the fan is only controlled by the light, that is, the fan starts when the light is on and stops 20 seconds after the light is turned off.</p> <p>LongTurn fan is not controlled by temperature or light (constant rotation)</p>
17	D-Bit D: 16	<p>Dimming bit number When the dimming is 16-bit, the lamp beads change smoothly; when it is 8-bit, the lamp beads change steeply.</p>
18	Lock ON	<p>combination lock Touch-exclusive lock to prevent accidental touches.</p>

## 4.DMX Channels

### 10 Channel

Channel	Function	DMX Value	Description
1	Electronic atomization	0-255	
2	Main light R dimming	0-255	
3	Main light G dimming	0-255	
4	Main light B dimming	0-255	
5	Main light L dimming	0-255	
6	Main light A dimming	0-255	
7	Main light C dimming	0-255	
8	Auxiliary light R dimming	0-255	
9	Auxiliary light G dimming	0-255	
10	Auxiliary light B dimming	0-255	

### 229 Channel

Channel	Function	DMX Value	Description
1	Electronic atomization	0-255	
2	Main light R1 dimming	0-255	
3	Main light G1 dimming	0-255	
4	Main light B1 dimming	0-255	
5	Main light L1 dimming	0-255	
6	Main light A1 dimming	0-255	
7	Main light C1 dimming	0-255	
.....	.....	0-255	.....
104	Main light R18 dimming	0-255	
105	Main light G18 dimming	0-255	
106	Main light B18 dimming	0-255	
107	Main light L18 dimming	0-255	
108	Main light A18 dimming	0-255	
109	Main light C18 dimming	0-255	
110	Auxiliary light R1 dimming	0-255	
111	Auxiliary light G1 dimming	0-255	
112	Auxiliary light B1 dimming	0-255	
.....	.....	0-255	.....
227	Auxiliary light R40 dimming	0-255	
228	Auxiliary light G40 dimming	0-255	
229	Auxiliary light B40 dimming	0-255	

## 67 Channel

Channel	Function	DMX Value	Description
1	Electronic atomization	0-255	
2	Main light R1 dimming	0-255	
3	Main light G1 dimming	0-255	
4	Main light B1 dimming	0-255	
5	Main light L1 dimming	0-255	
6	Main light A1 dimming	0-255	
7	Main light C1 dimming	0-255	
.....	.....	0-255	.....
32	Main light R6 dimming	0-255	
33	Main light G6 dimming	0-255	
34	Main light B6 dimming	0-255	
35	Main light L6 dimming	0-255	
36	Main light A6 dimming	0-255	
37	Main light C6 dimming	0-255	
38	Auxiliary light R1 dimming	0-255	
39	Auxiliary light G1 dimming	0-255	
40	Auxiliary light B1 dimming	0-255	
.....	.....	0-255	.....
65	Auxiliary light R10 dimming	0-255	
66	Auxiliary light G10 dimming	0-255	
67	Auxiliary light B10 dimming	0-255	

## 38 Channel

Channel	Function	Description
1	Full control and point control total dimming	Must be turned on, otherwise the light beads will not light up
2	Full control strobe	0-5 empty; 6-255 strobe, from slow to fast
3	Electronic atomization	
4	Main light R dimming	When the light effect is not executed, control the main light R; when the light effect is executed, use it as the background color of the light effect
5	Main light G dimming	When the light effect is not executed, control the main light G; when the light effect is executed, use it as the background color of the light effect
6	Main light B dimming	When the light effect is not executed, control the main light B; when the light effect is executed, use it as the background

		color of the light effect
7	Main light L dimming	When the light effect is not executed, control the main light L; when the light effect is executed, use it as the background color of the light effect
8	Main light A dimming	When the light effect is not executed, control the main light A; when the light effect is executed, use it as the background color of the light effect
9	Main light C dimming	When the light effect is not executed, control the main light C; when the light effect is executed, use it as the background color of the light effect
10	Point control main dimming	Point control main dimming (must be pushed up when point control is enabled)
11	Point control strobe	Point controlled strobe (only effective when there is point controlled light bead data)
12	Point control R dimming	Control the R of point control from dark to bright (channels 20-37 need to be pushed up to work together)
13	Point control G dimming	Control the G of point control from dark to bright (channels 20-37 need to be pushed up to work together)
14	Point control B dimming	Control the B of point control from dark to bright (channels 20-37 need to be pushed up to work together)
15	Point control L dimming	Control the L of point control from dark to bright (channels 20-37 need to be pushed up to work together)
16	Point control A dimming	Control the A of point control from dark to bright (channels 20-37 need to be pushed up to work together)
17	Point control C dimming	Control the C of point control from dark to bright (channels 20-37 need to be pushed up to work together)
18	Macro function (Channel 18 is the top priority channel. When enabled, channels 4-9 are used as foreground color channels and channels 12-17 are used as background color channels, which must be used in combination to work)	<p><b>0—5 empty;</b></p> <p><b>Optional color patterns: 6-165</b></p> <p><b>Not optional color patterns: 166-210 (execute lighting effects through color polling)</b></p> <p><b>Voice control mode:211-255</b></p> <p><b>Optional color patterns</b></p> <p>6-10: Pattern Summary</p> <p>11-15: Pattern 1</p> <p>16-20: Pattern 2</p> <p>21-25: Pattern 3</p> <p>26-30: Pattern 4</p> <p>31-35: Pattern 5</p> <p>36-40: Pattern 6</p> <p>41-45: Pattern 7</p> <p>46-50: Pattern 8</p> <p>51-55: Pattern 9</p> <p>56-60: Pattern 10</p> <p>61-65: Pattern 11</p> <p>66-70: Pattern 12</p> <p>71-75: Pattern 13</p>

18	<p>Macro function (Channel 18 is the top priority channel. When enabled, channels 4-9 are used as foreground color channels and channels 12-17 are used as background color channels, which must be used in combination to work)</p>	<p>76-80: Pattern 14 81-85: Pattern 15 86-90: Pattern 16 91-95: Pattern 17 96-100: Pattern 18 101-105: Pattern 19 106-110: Pattern 20 111-115: Pattern 21 116-120: Pattern 22 121-125: Pattern 23 126-130: Pattern 24 131-135: Pattern 25 136-140: Pattern 26 141-145: Pattern 27 146-150: Pattern 28 151-155: Pattern 29 156-160: Pattern 30 161-165: Pattern 31</p> <p><b>Not optional color patterns</b></p> <p>166-170: Gradient 171-175: Pulse 176-180: Jump 181-185: Colorful patterns 1 186-190: Colorful patterns 2 191-195: Colorful patterns 3 196-200: Colorful patterns 4 201-205: Colorful patterns 5 206-210: Colorful patterns 6</p> <p><b>Voice control mode</b></p> <p>211-221: Voice control mode 1 222-232: Voice control mode 2 233-243: Voice control mode 3</p> <p>244-255: Summary of voice control modes</p>
19	Macro speed	From slow to fast (when the speed is zero, macro functions will not be executed)
20	LED1 dimming	Control the 1 <sup>st</sup> light bead to follow the color selection point control, from dark to bright
21	LED2 dimming	Control the 2 <sup>nd</sup> light bead to follow the color selection point control, from dark to bright
22	LED3 dimming	Control the 3 <sup>rd</sup> light bead to follow the color selection point control, from dark to bright
23	LED4 dimming	Control the 4 <sup>th</sup> light bead to follow the color selection point control, from dark to bright
24	LED5 dimming	Control the 5 <sup>th</sup> light bead to follow the color selection point control, from dark to bright
25	LED6 dimming	Control the 6 <sup>th</sup> light bead to follow the color selection point

		control, from dark to bright
26	LED7 dimming	Control the 7 <sup>th</sup> light bead to follow the color selection point control, from dark to bright
27	LED8 dimming	Control the 8 <sup>th</sup> light bead to follow the color selection point control, from dark to bright
28	LED9 dimming	Control the 9 <sup>th</sup> light bead to follow the color selection point control, from dark to bright
29	LED10 dimming	Control the 10 <sup>th</sup> light bead to follow the color selection point control, from dark to bright
30	LED11 dimming	Control the 11 <sup>th</sup> light bead to follow the color selection point control, from dark to bright
31	LED12 dimming	Control the 12 <sup>th</sup> light bead to follow the color selection point control, from dark to bright
32	LED13 dimming	Control the 13 <sup>th</sup> light bead to follow the color selection point control, from dark to bright
33	LED14 dimming	Control the 14 <sup>th</sup> light bead to follow the color selection point control, from dark to bright
34	LED15 dimming	Control the 15 <sup>th</sup> light bead to follow the color selection point control, from dark to bright
35	LED16 dimming	Control the 16 <sup>th</sup> light bead to follow the color selection point control, from dark to bright
36	LED17 dimming	Control the 17 <sup>th</sup> light bead to follow the color selection point control, from dark to bright
37	LED18 dimming	Control the 18 <sup>th</sup> light bead to follow the color selection point control, from dark to bright
38	Bead lighting sequence	0-128 is clockwise, 129-255 is counterclockwise Only unidirectional running light effects have a significant directional effect, while other running directions have less noticeable effects, and point control dimming will also reverse

## 21 Channel

Channel	Function	Description
1	Total dimming	Must be turned on, otherwise the light beads will not light up
2	Total strobe	The highest strobe priority, controlling the strobe synchronization of the main and auxiliary lights 0-5 empty; 6-255 strobe, from slow to fast
3	Electronic atomization	
4	Main light macro function	<p><b>0—5 empty;</b>  <b>Optional color patterns: 6-165</b>  <b>Not optional color patterns: 166-210 (execute lighting effects through color polling)</b>  <b>Voice control mode:211-255</b></p> <p>The performance of the effect can be controlled by 2-3, 6-12, 21 channels, channel 5 must be pushed up for assistance; If channels 7-12 are not pushed, any effect will show a black field; If channels 7-12 have a value, use the comprehensive value of the color channel as the running color in the available color patterns.</p> <p><b>Optional color patterns</b></p> <p>6-10: Pattern Summary</p> <p>11-15: Pattern 1      16-20: Pattern 2      21-25: Pattern 3      26-30: Pattern 4      31-35: Pattern 5      36-40: Pattern 6      41-45: Pattern 7      46-50: Pattern 8      51-55: Pattern 9      56-60: Pattern 10      61-65: Pattern 11      66-70: Pattern 12      71-75: Pattern 13      76-80: Pattern 14      81-85: Pattern 15      86-90: Pattern 16      91-95: Pattern 17      96-100: Pattern 18      101-105: Pattern 19      106-110: Pattern 20      111-115: Pattern 21      116-120: Pattern 22      121-125: Pattern 23</p>

		<p>126-130: Pattern 24 131-135: Pattern 25 136-140: Pattern 26 141-145: Pattern 27 146-150: Pattern 28 151-155: Pattern 29 156-160: Pattern 30 161-165: Pattern 31</p> <p><b>Not optional color patterns</b></p> <p>166-170: Gradient 171-175: Pulse 176-180: Jump 181-185: Colorful patterns 1 186-190: Colorful patterns 2 191-195: Colorful patterns 3 196-200: Colorful patterns 4 201-205: Colorful patterns 5 206-210: Colorful patterns 6</p> <p><b>Voice control mode</b></p> <p>211-221: Voice control mode 1 222-232: Voice control mode 2 233-243: Voice control mode 3 244-255: Summary of voice control modes</p>
4	Main light macro function	From slow to fast (when the speed is zero, macro functions will not be executed)
5	Main light macro function speed	From slow to fast (when the speed is zero, macro functions will not be executed)
6	Main light macro function background color	1-36 is red (from dark to bright) 37 is black field 38-73 is green (from dark to bright) 74 is black field 75-110 is blue (from dark to bright) 111 is black field 112-147 is yellow (from dark to bright) 148 is black field 149-184 is pink (from dark to bright) 185 is black field 185-221 is cyan (from dark to bright) 222 is black field 223-255 is a composite color (from dark to bright)
7	Main light R dimming	Control the main light R, and it can also be used as a color selection for the main light macro function
8	Main light G dimming	Control the main light G, and it can also be used as a color selection for the main light macro function
9	Main light B dimming	Control the main light B, and it can also be used as a color selection for the main light macro function
10	Main light L dimming	Control the main light L, and it can also be used as a color selection for the main light macro function
11	Main light A dimming	Control the main light A, and it can also be used as a color selection for the main light macro function
12	Main light C dimming	Control the main light C, and it can also be used as a color selection for the main light macro function

13	Main light strobe	Control the strobe of the main light 0-5 empty; 6-255 strobe, from slow to fast
14	Auxiliary light R dimming	Control the color of the auxiliary light R, and it can also be used as a color selection for the auxiliary light macro function
15	Auxiliary light G dimming	Control the color of the auxiliary light G, and it can also be used as a color selection for the auxiliary light macro function
16	Auxiliary light B dimming	Control the color of the auxiliary light B, and it can also be used as a color selection for the auxiliary light macro function
17	Auxiliary light strobe	Control the strobe of the Auxiliary light 0-5 empty; 6-255 strobe, from slow to fast
18	Auxiliary light Macro Function	<p style="text-align: center;"><b>0—5 empty;</b>  <b>Optional color patterns: 6-212</b>  <b>Not optional color patterns: 213-245 (execute lighting effects through color polling)</b>  <b>Voice control mode:246-255</b></p> <p>The performance of the effect can be controlled by 2-3, 14-17, 20-21 channels, channel 19 must be pushed up for assistance; If channels 14-16,20 are not pushed, any effect will show a black field; If channels 14-16 have a value, use the comprehensive value of the color channel as the running color in the available color patterns.</p> <p><b>Optional color patterns</b></p> <p>6-8: Pattern Summary</p> <p style="text-align: center;">9-11 Pattern 1 12-14 Pattern 2 15-17 Pattern 3 18-20 Pattern 4 21-23 Pattern 5 24-26 Pattern 6 27-29 Pattern 7 30-32 Pattern8 33-35 Pattern9 36-38 Pattern10 39-41 Pattern11 42-44 Pattern12 45-47 Pattern13 48-50 Pattern14 51-53 Pattern15 54-56 Pattern16 57-59 Pattern17 60-62 Pattern18 63-65 Pattern19 66-68 Pattern20 69-71 Pattern21 72-74 Pattern22</p>

18	Auxiliary light Macro Function	<p>75-77 Pattern23      78-80 Pattern24      81-83 Pattern25      84-86 Pattern26      87-89 Pattern27      90-92 Pattern28      93-95 Pattern29      96-98 Pattern30      99-101 Pattern31      102-104 Pattern32      105-107 Pattern33      108-110 Pattern34      111-113 Pattern35      114-116 Pattern36      117-119 Pattern37      120-122 Pattern38      123-125 Pattern39      126-128 Pattern40      129-131 Pattern41      132-134 Pattern42      135-137 Pattern43      138-140 Pattern44      141-143 Pattern45      144-146 Pattern46      147-149 Pattern47      150-152 Pattern48      153-155 Pattern49      156-158 Pattern50      159-161 Pattern51      162-164 Pattern52      165-167 Pattern53      168-170 Pattern54      171-173 Pattern55      174-176 Pattern56      177-179 Pattern57      180-182 Pattern58      183-185 Pattern59      186-188 Pattern60      189-191 Pattern61      192-194 Pattern62      195-197 Pattern63      198-200 Pattern64      201-203 Pattern65      204-206 Pattern66      207-209 Pattern67      210-212 Pattern68</p>
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		<p><b>Not optional color patterns</b></p> <p>213-215: Gradient 216-218: Pulse 219-221: Jump 222-224: Colorful patterns 1 225-227: Colorful patterns 2 228-230: Colorful patterns 3 231-233: Colorful patterns 4 234-236: Colorful patterns 5 237-239: Colorful patterns 6 240-242: Colorful patterns 7 243-245: Colorful patterns 8</p>
18	Auxiliary light Macro Function	<p><b>Voice control mode</b></p> <p>246-247: Voice control mode 1 248-249: Voice control mode 2 250-251: Voice control mode 3 252-255: Summary of voice control modes</p>
19	Auxiliary light macro function speed	From slow to fast (when the speed is zero, macro functions will not be executed)
20	Auxiliary light macro function background color	1-36 is red (from dark to bright) 37 is black field 38-73 is green (from dark to bright) 74 is black field 75-110 is blue (from dark to bright) 111 is black field 112-147 is yellow (from dark to bright) 148 is black field 149-184 is pink (from dark to bright) 185 is black field 185-221 is cyan (from dark to bright) 222 is black field 223-255 is a composite color (from dark to bright)
21	Function reversal and refresh	1-128: Effect running forward, 129-255: Effect running reverse. When the push rod exceeds 50 or changes direction, the macro function refreshes Only unidirectional running light effects have significant directional effects, while other running directions have less noticeable effects

## 87 Channel

Channel	Function	Description
1	Total dimming	Must be turned on, otherwise the light beads will not light up
2	Total strobe	The highest strobe priority, controlling the strobe synchronization of the main and auxiliary lights 0-5 empty; 6-255 strobe, from slow to fast
3	Electronic atomization	
4	Main light macro function	<p><b>0—5 empty;</b>  <b>Optional color patterns: 6-165</b>  <b>Not optional color patterns: 166-210 (execute lighting effects through color polling)</b>  <b>Voice control mode:211-255</b></p> <p>The performance of the effect can be controlled by 2-3, 6-12, 21 channels, channel 5 must be pushed up for assistance; If channels 7-12 are not pushed, any effect will show a black field; If channels 7-12 have a value, use the comprehensive value of the color channel as the running color in the available color patterns.</p> <p><b>Optional color patterns</b></p> <p>6-10: Pattern Summary</p> <p>11-15: Pattern 1      16-20: Pattern 2      21-25: Pattern 3      26-30: Pattern 4      31-35: Pattern 5      36-40: Pattern 6      41-45: Pattern 7      46-50: Pattern 8      51-55: Pattern 9      56-60: Pattern 10      61-65: Pattern 11      66-70: Pattern 12      71-75: Pattern 13      76-80: Pattern 14      81-85: Pattern 15      86-90: Pattern 16      91-95: Pattern 17      96-100: Pattern 18      101-105: Pattern 19      106-110: Pattern 20      111-115: Pattern 21      116-120: Pattern 22      121-125: Pattern 23</p>

		<p>126-130: Pattern 24 131-135: Pattern 25 136-140: Pattern 26 141-145: Pattern 27 146-150: Pattern 28 151-155: Pattern 29 156-160: Pattern 30 161-165: Pattern 31</p> <p><b>Not optional color patterns</b></p> <p>166-170: Gradient 171-175: Pulse 176-180: Jump 181-185: Colorful patterns 1 186-190: Colorful patterns 2 191-195: Colorful patterns 3 196-200: Colorful patterns 4 201-205: Colorful patterns 5 206-210: Colorful patterns 6</p> <p><b>Voice control mode</b></p> <p>211-221: Voice control mode 1 222-232: Voice control mode 2 233-243: Voice control mode 3 244-255: Summary of voice control modes</p>
4	Main light macro function	From slow to fast (when the speed is zero, macro functions will not be executed)
5	Main light macro function speed	1-36 is red (from dark to bright) 37 is black field 38-73 is green (from dark to bright) 74 is black field 75-110 is blue (from dark to bright) 111 is black field 112-147 is yellow (from dark to bright) 148 is black field 149-184 is pink (from dark to bright) 185 is black field 185-221 is cyan (from dark to bright) 222 is black field 223-255 is a composite color (from dark to bright)
6	Main light macro function background color	Control the main light R, and it can also be used as a color selection for the main light macro function
7	Main light G dimming	Control the main light G, and it can also be used as a color selection for the main light macro function
8	Main light B dimming	Control the main light B, and it can also be used as a color selection for the main light macro function
9	Main light L dimming	Control the main light L, and it can also be used as a color selection for the main light macro function
10	Main light A dimming	Control the main light A, and it can also be used as a color selection for the main light macro function
11	Main light C dimming	Control the main light C, and it can also be used as a color selection for the main light macro function

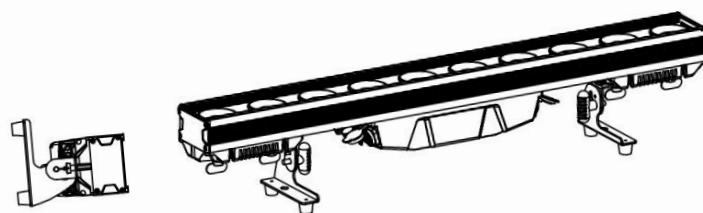
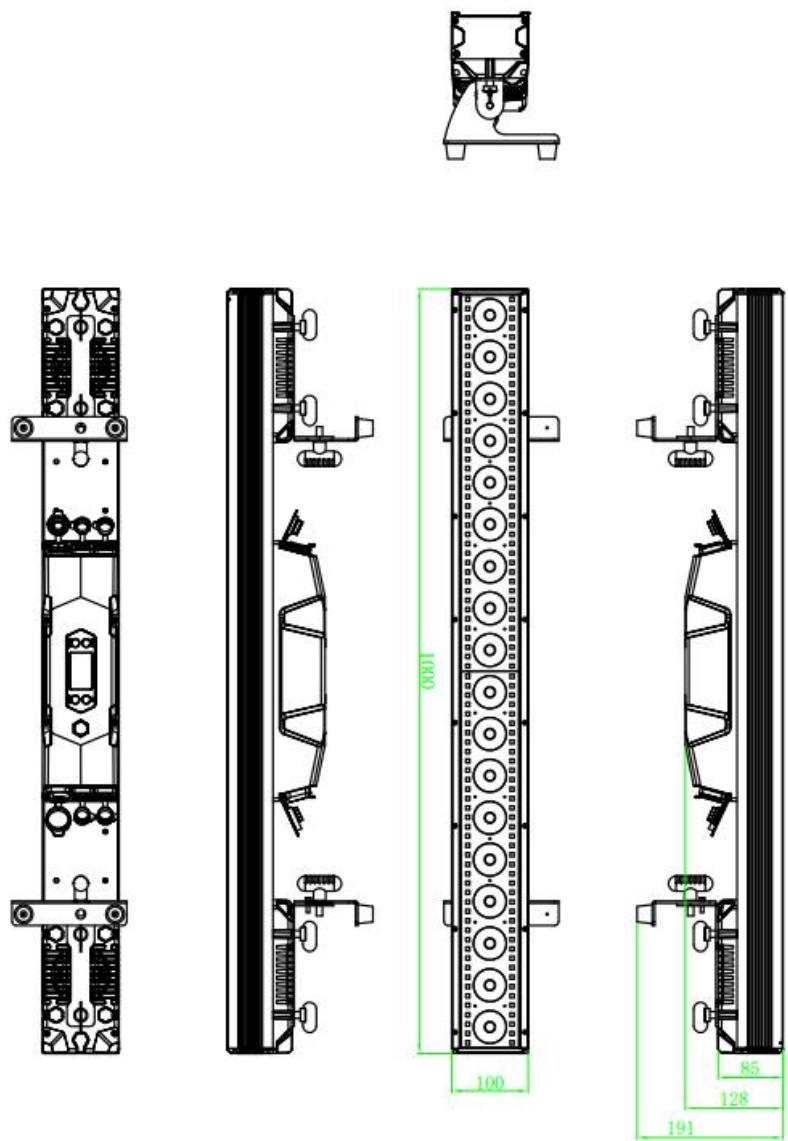
13	Main light strobe	Control the strobe of the main light 0-5 empty; 6-255 strobe, from slow to fast
14	Auxiliary light R dimming	Control the color of the auxiliary light R, and it can also be used as a color selection for the auxiliary light macro function
15	Auxiliary light G dimming	Control the color of the auxiliary light G, and it can also be used as a color selection for the auxiliary light macro function
16	Auxiliary light B dimming	Control the color of the auxiliary light B, and it can also be used as a color selection for the auxiliary light macro function
17	Auxiliary light strobe	Control the strobe of the Auxiliary light 0-5 empty; 6-255 strobe, from slow to fast
18	Auxiliary light Macro Function	<p style="text-align: center;"><b>0—5 empty;</b>  <b>Optional color patterns: 6-212</b>  <b>Not optional color patterns: 213-245 (execute lighting effects through color polling)</b>  <b>Voice control mode:246-255</b></p> <p>The performance of the effect can be controlled by 2-3, 14-17, 20-21 channels, channel 19 must be pushed up for assistance; If channels 14-16,20 are not pushed, any effect will show a black field; If channels 14-16 have a value, use the comprehensive value of the color channel as the running color in the available color patterns.</p> <p><b>Optional color patterns</b></p> <p>6-8: Pattern Summary</p> <p style="text-align: center;">9-11 Pattern 1 12-14 Pattern 2 15-17 Pattern 3 18-20 Pattern 4 21-23 Pattern 5 24-26 Pattern 6 27-29 Pattern 7 30-32 Pattern8 33-35 Pattern9 36-38 Pattern10 39-41 Pattern11 42-44 Pattern12 45-47 Pattern13 48-50 Pattern14 51-53 Pattern15 54-56 Pattern16 57-59 Pattern17 60-62 Pattern18 63-65 Pattern19 66-68 Pattern20 69-71 Pattern21 72-74 Pattern22</p>

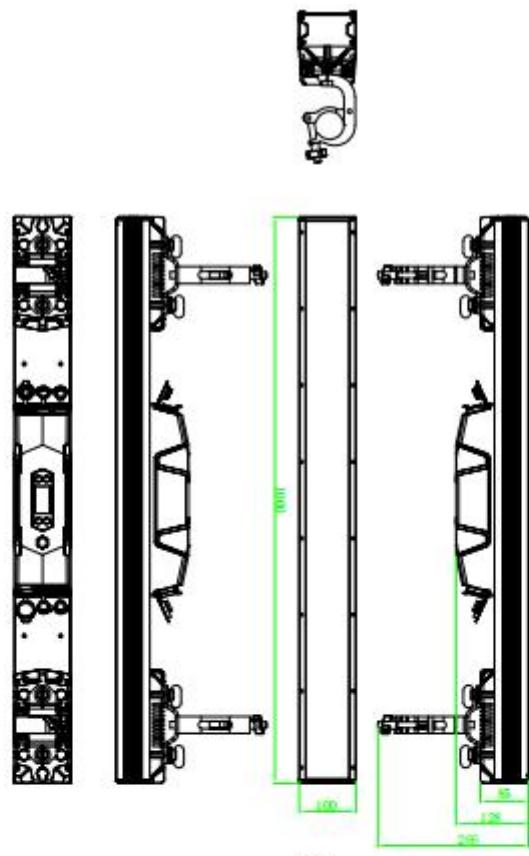
18	Auxiliary light Macro Function	<p>75-77 Pattern23      78-80 Pattern24      81-83 Pattern25      84-86 Pattern26      87-89 Pattern27      90-92 Pattern28      93-95 Pattern29      96-98 Pattern30      99-101 Pattern31      102-104 Pattern32      105-107 Pattern33      108-110 Pattern34      111-113 Pattern35      114-116 Pattern36      117-119 Pattern37      120-122 Pattern38      123-125 Pattern39      126-128 Pattern40      129-131 Pattern41      132-134 Pattern42      135-137 Pattern43      138-140 Pattern44      141-143 Pattern45      144-146 Pattern46      147-149 Pattern47      150-152 Pattern48      153-155 Pattern49      156-158 Pattern50      159-161 Pattern51      162-164 Pattern52      165-167 Pattern53      168-170 Pattern54      171-173 Pattern55      174-176 Pattern56      177-179 Pattern57      180-182 Pattern58      183-185 Pattern59      186-188 Pattern60      189-191 Pattern61      192-194 Pattern62      195-197 Pattern63      198-200 Pattern64      201-203 Pattern65      204-206 Pattern66      207-209 Pattern67      210-212 Pattern68</p>
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		<b>Not optional color patterns</b> 213-215: Gradient 216-218: Pulse 219-221: Jump 222-224: Colorful patterns 1 225-227: Colorful patterns 2 228-230: Colorful patterns 3 231-233: Colorful patterns 4 234-236: Colorful patterns 5 237-239: Colorful patterns 6 240-242: Colorful patterns 7 243-245: Colorful patterns 8
18	Auxiliary light Macro Function	<b>Voice control mode</b> 246-247: Voice control mode 1 248-249: Voice control mode 2 250-251: Voice control mode 3 252-255: Summary of voice control modes
19	Auxiliary light macro function speed	From slow to fast (when the speed is zero, macro functions will not be executed)
20	Auxiliary light macro function background color	1-36 is red (from dark to bright) 37 is black field 38-73 is green (from dark to bright) 74 is black field 75-110 is blue (from dark to bright) 111 is black field 112-147 is yellow (from dark to bright) 148 is black field 149-184 is pink (from dark to bright) 185 is black field 185-221 is cyan (from dark to bright) 222 is black field 223-255 is a composite color (from dark to bright)
21	Function reversal and refresh	1-128: Effect running forward, 129-255: Effect running reverse. When the push rod exceeds 50 or changes direction, the macro function refreshes Only unidirectional running light effects have significant directional effects, while other running directions have less noticeable effects
22	Main light R1 dimming	
23	Main light G1 dimming	
24	Main light B1 dimming	
25	Main light L1 dimming	
26	Main light A1 dimming	
27	Main light C1 dimming	
.....	.....	.....
52	Main light R6 dimming	
53	Main light G6 dimming	
54	Main light B6 dimming	

55	Main light L6 dimming	
56	Main light A6 dimming	
57	Main light C6 dimming	
58	Auxiliary light R1 dimming	
59	Auxiliary light G1 dimming	
60	Auxiliary light B1 dimming	
.....	.....	.....
85	Auxiliary light R10 dimming	
86	Auxiliary light G10 dimming	
87	Auxiliary light B10 dimming	

## 5. Dimension





## 6.Trouble Shooting

Following are a few common problems that may occur during operation. Here are some suggestions for easy troubleshooting:

### **A. The unit does not work, no light and the fan does not work**

1. Check the connection of power and main fuse.
2. Measure the mains voltage on the main connector.
3. Check the power on LED.

### **B. Not responding to DMX controller**

1. DMX LED should be on. If not, check DMX connectors, cables to see if link properly.
2. If the DMX LED is on and no response to the channel, check the address settings and DMX polarity.
3. If you have intermittent DMX signal problems, check the pins on connectors or on PCB of the unit or the previous one.
4. Try to use another DMX controller.
5. Check if the DMX cables run near or run alongside to high voltage cables that may cause damage or interference to DMX interface circuit.

### **C. One of the channels is not working well**

1. The stepper motor might be damaged or the cable connected to the PCB is broken.
2. The motors drive IC on the PCB might be out of condition

## 7.Fixture Cleaning

The cleaning of internal and external optical lenses and/or mirrors must be carried out periodically to optimize light output. Cleaning frequency depends on the environment in which the fixture operates: damp, smoky or particularly dirty surrounding can cause greater accumulation of dirt on the unit's optics.

Clean with soft cloth using normal glass cleaning fluid.

Always dry the parts carefully.

Clean the external optics at least every 20 days. Clean the internal optics at least every 30/60 days.