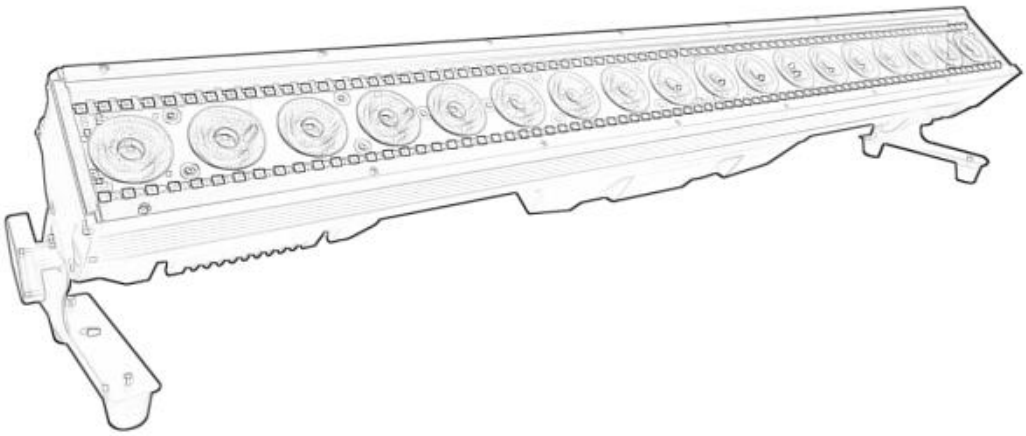
lighting PLUS

User manual



IP-PIX1830

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 is for indoor use only. Use only in a dry location.

•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℃. DO NOT operate it where the temperature is higher than this Unit surface temperature may reach up to 85℃. 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.

•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.Technical Specifications

Light source:18*30W RGBWAUV 6in1 Led,auxiliary light 160*0.5W RGB LED
Led pixel control effect
Four side of bar can be freely spliced
Max consumption Power: 400W
Beam angle:20°(6°/10°/12°/15°/25°/40°optional)
DMX Channel:9/228/66/37/20/86CH
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	Function	Note
1	DMX__009/228/066/037/020/086 A 001	Channel Address Code	range :001—512 Attention: When receiving the DMX signal, the "__" interval in the first line of display flashes
2	DMX_CH 009CH	Channel Mode	xx:009/228/066/037/020/086
3	Z-M *00 Z-S 99	Main light macro function effect Main light macro function effect speed	range :00-41 range :00-99 * become -:mean the item is selected Z-M 00：Do not execute Main light effects Z-M 01：Main light gradient Z-M 02：Main light pulse Z-M 03：Main light jump Z-M 04：Summary of Main light Patterns Z-M 05-41：Various Main light patterns **[**Execute lighting effects through color polling**]**
4	F-M *00 F-S 99	Auxiliary light macro function effect Auxiliary light macro function effect speed	range :00-80 range :00-99 * become -:mean the item is selected F-M 00：Do not execute Auxiliary light effects F-M 01：Auxiliary light gradient F-M 02：Auxiliary light pulse F-M 03：Auxiliary light jump F-M 04：Summary of Auxiliary light Patterns F-M 05-80：Various Auxiliary light patterns **[**Execute lighting effects through color polling**]**
5	S-M 00 S-S *99	Sound mode Sound sensitivity	range :00-07 range :00-99 * become -:mean the item is selected S-M 0：Summary of main light voice control patterns S-M 1：Summary of auxiliary light voice control patterns S-M 2-4：Various voice control patterns of main light S-M 5-7：Various voice control patterns of auxiliary light

5	S-M 00 S-S *99		**[**Execute lighting effects through color polling**]**
6	Z_Red R:255	Static main light red	range :000-255
7	Z_Green G:255	Static main light green	range :000-255
8	Z_Blue B:255	Static main light blue	range :000-255

LCD Background Display Function

（The number in the display list is the default value for this item)

（Press and hold the function key for 10 seconds to enter the DMX mode, and press the determine key to exit）

No.	Display	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_L:205	Main light L-color current 020—255
5	Current Z_A:235	Main light A-color current 020—255
6	Current Z_C:215	Main light C-color current 020—255
7	Current F_R:235	Auxiliary light R-color current 20—255
8	Current F_G:235	Auxiliary light G-color current 20—255
9	Current F_B:235	Auxiliary light B-color current 20—255
10	Power Z_D:235	Limit total power 050—255 Attention: Limit main light only
11	Push NO	NO:(Host background setting parameters) Do not push to the slave
		YSE :The host pushes to the slave to update the backend parameters of the slave Attention: Please ensure 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, the host should not rush to exit and wait for the slave light to flash to indicate that the slave update is successful. At this time, the host can exit.
12	Reset NO	NO :Do not restore factory settings
		Yes: Restore factory settings

		When restoring the factory settings, the current value and total power limit will not be restored.
13	Temp D:55	Setting the temperature value of the lamp body, (40-70) Note that this function only works when the lamp body is connected to a temperature control resistor
14	D-State OFF	OFF DMX512 signal failure (after signal failure, the light enters the off state)
		HOLD DMX512 signal interruption hold (after signal interruption, the light remains in the state before signal interruption)
15	Screen ON	OFF：The backlight of the display screen is always on
		ON：Enter the screensaver after 30 seconds of backlighting on the display screen
16	Fan Control	Control：The fan is controlled by temperature and lighting Attention: When the temperature display is above 45 degrees and the lamp beads are turned on, the fan will start. If the temperature display is 40 degrees lower, the fan will stop regardless of whether the lamp beads are turned on or not. If the fan is only controlled by light without temperature control, that is, the fan will start when the light is turned on and stop 20 seconds after the light is turned off
		Long Turn：The fan is not controlled by temperature or lighting (normally running)
17	D-Bit D: 16	Dimming Bit When the dimming is 16bit, the light bead changes smoothly; When it is 8bit, the light bead changes steeply.
18	Lock ON	Combination lock Touch exclusive lock to prevent accidental touch and action.

4.DMX Channels

9 Channel

Channel	Function	DMX Value	Description
1	Main light R dimming	0-255	Control the main light R from dark to bright
2	Main light G dimming	0-255	Control the main light G from dark to bright
3	Main light B dimming	0-255	Control the main light B from dark to bright
4	Main light W dimming	0-255	Control the main light W from dark to bright
5	Main light A dimming	0-255	Control the main light A from dark to bright
6	Main light UVdimming	0-255	Control the main light UV from dark to bright
7	Auxiliary light R dimming	0-255	Control the auxiliary light R from dark to bright
8	Auxiliary light G dimming	0-255	Control the auxiliary light G from dark to bright
9	Auxiliary light B dimming	0-255	Control the auxiliary light B from dark to bright

228 Channel

Channel	Function	DMX Value	Description
1	Main light R1 dimming	0-255	Control the main light R1 from dark to bright
2	Main light G1 dimming	0-255	Control the main light G1 from dark to bright
3	Main light B1 dimming	0-255	Control the main light B1 from dark to bright
4	Main light W1 dimming	0-255	Control the main light W1 from dark to bright
5	Main light A1 dimming	0-255	Control the main light A1 from dark to bright
6	Main light UV1 dimming	0-255	Control the main light UV1 from dark to bright
7	Main light R2 dimming	0-255	Control the main light R2 from dark to bright
8	Main light G2 dimming	0-255	Control the main light G2 from dark to bright
9	Main light B2 dimming	0-255	Control the main light B2 from dark to bright
10	Main light W2 dimming	0-255	Control the main light W2 from dark to bright
11	Main light A2 dimming	0-255	Control the main light A2 from dark to bright
12	Main light UV2 dimming	0-255	Control the main light UV2 from dark to bright
.....	.....	0-255	.....
103	Main light R18 dimming	0-255	Control the main light R18 from dark to bright
104	Main light G18 dimming	0-255	Control the main light G18 from dark to bright
105	Main light B18 dimming	0-255	Control the main light B18 from dark to bright
106	Main light W18 dimming	0-255	Control the main light W18 from dark to bright
107	Main light A18 dimming	0-255	Control the main light A18 from dark to bright
108	Main light UV18 dimming	0-255	Control the main light UV18 from dark to bright
109	Auxiliary light R1 dimming	0-255	Control the Auxiliary light R1 from dark to bright
110	Auxiliary light G1 dimming	0-255	Control the Auxiliary light G1 from dark to bright
111	Auxiliary light B1 dimming	0-255	Control the Auxiliary light B1 from dark to bright
112	Auxiliary light R2 dimming	0-255	Control the Auxiliary light R2 from dark to bright
113	Auxiliary light G2 dimming	0-255	Control the Auxiliary light G2 from dark to bright
114	Auxiliary light B2 dimming	0-255	Control the Auxiliary light B2 from dark to bright

.....	.....	0-255	.....
226	Auxiliary light R40 dimming	0-255	Control the Auxiliary light R40 from dark to bright
227	Auxiliary light G40 dimming	0-255	Control the Auxiliary light G40 from dark to bright
228	Auxiliary light B40 dimming	0-255	Control the Auxiliary light B40 from dark to bright

Lamp bead arrangement (both main and auxiliary light signals enter from board 1)

Main light

1	2	.....	17	18

Auxiliary light

21	22	.....	39	40
1	2	.....	19	20

66 Channel

Channel	Function	DMX Value	Description
1	Main light R1 dimming	0-255	Control the main light R1 from dark to bright
2	Main light G1 dimming	0-255	Control the main light G1 from dark to bright
3	Main light B1 dimming	0-255	Control the main light B1 from dark to bright
4	Main light W1 dimming	0-255	Control the main light W1 from dark to bright
5	Main light A1 dimming	0-255	Control the main light A1 from dark to bright
6	Main light UV1 dimming	0-255	Control the main light UV1 from dark to bright
7	Main light R2 dimming	0-255	Control the main light R2 from dark to bright
8	Main light G2 dimming	0-255	Control the main light G2 from dark to bright
9	Main light B2 dimming	0-255	Control the main light B2 from dark to bright
10	Main light W2 dimming	0-255	Control the main light W2 from dark to bright
11	Main light A2 dimming	0-255	Control the main light A2 from dark to bright
12	Main light UV2 dimming	0-255	Control the main light UV2 from dark to bright
.....	.....	0-255	.....
31	Main light R6 dimming	0-255	Control the main light R6 from dark to bright
32	Main light G6 dimming	0-255	Control the main light G6 from dark to bright
33	Main light B6 dimming	0-255	Control the main light B6 from dark to bright
34	Main light W6 dimming	0-255	Control the main light W6 from dark to bright
35	Main light A6 dimming	0-255	Control the main light A6 from dark to bright
36	Main light UV6 dimming	0-255	Control the main light UV6 from dark to bright
37	Auxiliary light R1 dimming	0-255	Control the Auxiliary light R1 from dark to bright
38	Auxiliary light G1 dimming	0-255	Control the Auxiliary light G1 from dark to bright
39	Auxiliary light B1 dimming	0-255	Control the Auxiliary light B1 from dark to bright
40	Auxiliary light R2 dimming	0-255	Control the Auxiliary light R2 from dark to bright
41	Auxiliary light G2 dimming	0-255	Control the Auxiliary light G2 from dark to bright
42	Auxiliary light B2 dimming	0-255	Control the Auxiliary light B2 from dark to bright
.....	.....	0-255	.....
64	Auxiliary light R10 dimming	0-255	Control the Auxiliary light R10 from dark to bright
65	Auxiliary light G10 dimming	0-255	Control the Auxiliary light G10 from dark to bright
66	Auxiliary light B10 dimming	0-255	Control the Auxiliary light B10 from dark to bright

Lamp bead arrangement (both main and auxiliary light signals enter from board 1)

Main light

1	2	……	5	6

Auxiliary light

6	7	8	9	10
1	2	3	4	5

37 Channel

Channel	Function	DMX Value	Description
1	Full control and point control total dimming	0-255	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	Main light R dimming	0-255	Control the main light R from dark to bright
4	Main light G dimming	0-255	Control the main light G from dark to bright
5	Main light B dimming	0-255	Control the main light B from dark to bright
6	Main light W dimming	0-255	Control the main light W from dark to bright
7	Main light A dimming	0-255	Control the main light A from dark to bright
8	Main light UV dimming	0-255	Control the main light UV from dark to bright
9	Point control main dimming	0-255	Point control main dimming (must be pushed up when point control is enabled)
10	Point control strobe	0-255	Point controlled strobe (only effective when there is point controlled light bead data)
11	Point control R dimming	0-255	Control the R of point control from dark to bright (channels 19-36 need to be pushed up to work together)
12	Point control G dimming	0-255	Control the G of point control from dark to bright (channels 19-36 need to be pushed up to work together)
13	Point control B dimming	0-255	Control the B of point control from dark to bright (channels 19-36 need to be pushed up to work together)
14	Point control W dimming	0-255	Control the W of point control from dark to bright (channels 19-36 need to be pushed up to work together)
15	Point control A dimming	0-255	Control the A of point control from dark to bright (channels 19-36 need to be pushed up to work together)
16	Point control UV dimming	0-255	Control the UV of point control from dark to bright (channels 19-36 need to be pushed up to work

			together)
17	Macro function	**0—5**	empty
		6-10	Pattern Summary
		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
		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
		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

17	Macro function	206-210	Colorful patterns 6
		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
18	Macro speed	0-255	From slow to fast (when the speed is zero, macro functions will not be executed)
19	LED1 dimming	0-255	Control the 1st light bead to follow the color selection point control, from dark to bright
20	LED2 dimming	0-255	Control the 2nd light bead to follow the color selection point control, from dark to bright
21	LED3 dimming	0-255	Control the 3rd light bead to follow the color selection point control, from dark to bright
22	LED4 dimming	0-255	Control the 4th light bead to follow the color selection point control, from dark to bright
23	LED5 dimming	0-255	Control the 5th light bead to follow the color selection point control, from dark to bright
24	LED6 dimming	0-255	Control the 6th light bead to follow the color selection point control, from dark to bright
25	LED7 dimming	0-255	Control the 7th light bead to follow the color selection point control, from dark to bright
26	LED8 dimming	0-255	Control the 8th light bead to follow the color selection point control, from dark to bright
27	LED9 dimming	0-255	Control the 9th light bead to follow the color selection point control, from dark to bright
28	LED10 dimming	0-255	Control the 10th light bead to follow the color selection point control, from dark to bright
29	LED11 dimming	0-255	Control the 11th light bead to follow the color selection point control, from dark to bright
30	LED12 dimming	0-255	Control the 12th light bead to follow the color selection point control, from dark to bright
31	LED13 dimming	0-255	Control the 13th light bead to follow the color selection point control, from dark to bright
32	LED14 dimming	0-255	Control the 14th light bead to follow the color selection point control, from dark to bright
33	LED15 dimming	0-255	Control the 15th light bead to follow the color selection point control, from dark to bright
34	LED16 dimming	0-255	Control the 16th light bead to follow the color selection point control, from dark to bright
35	LED17 dimming	0-255	Control the 17th light bead to follow the color selection point control, from dark to bright
36	LED18 dimming	0-255	Control the 18th light bead to follow the color selection point control, from dark to bright
37	Bead lighting sequence	0-128	clockwise
		129-255	counterclockwise

Lamp bead arrangement (both main and auxiliary light signals enter from board 1)
Main light

1	2	……	17	18

20 Channel

Channel	Function	DMX Value	Description
1	Total dimming	0-255	Must be turned on, otherwise the light beads will not light up
2	Total strobe	0-5	empty
		6-255	strobe, from slow to fast
3	Main light macro function	**0—5**	empty
		6-10	Pattern Summary
		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
		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

3	Main light macro function	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
		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
4	Main light macro function speed	0-255	From slow to fast (when the speed is zero, macro functions will not be executed)
5	Main light macro function background color	1-36	red (from dark to bright)
		37	black field
		38-73	green (from dark to bright)
		74	black field
		75-110	blue (from dark to bright)
		111	black field
		112-147	yellow (from dark to bright)
		148	black field
		149-184	pink (from dark to bright)
		185	black field
		185-221	cyan (from dark to bright)
		222	black field
6	Main light R dimming	0-255	Control the main light R from dark to bright, and it can also be used as a color selection for the main light macro function
7	Main light G dimming	0-255	Control the main light G from dark to bright, and it can also be used as a color selection for the main light macro function
8	Main light B dimming	0-255	Control the main light B from dark to bright, and it can also be used as a color selection for the main light macro function
9	Main light W dimming	0-255	Control the main light W from dark to bright, and it can also be used as a color selection for the main light macro function
10	Main light A dimming	0-255	Control the main light A from dark to bright, and it can also be used as a color selection for the main light macro function
11	Main light UV dimming	0-255	Control the main light UV from dark to bright, and it can also be used as a color selection for the main light macro function
12	Main light strobe	0-5	empty

		6-255	strobe, from slow to fast
13	Auxiliary light R dimming	0.255	Control the color of the auxiliary light R from dark to bright, and it can also be used as a color selection for the auxiliary light macro function
14	Auxiliary light G dimming	0-255	Control the color of the auxiliary light G from dark to bright, and it can also be used as a color selection for the auxiliary light macro function
15	Auxiliary light B dimming	0-255	Control the color of the auxiliary light B from dark to bright, and it can also be used as a color selection for the auxiliary light macro function
16	Auxiliary light strobe	0-5	empty
		6-255	strobe, from slow to fast
17	Auxiliary light Macro Function	0—5	empty
		6-8	Pattern Summary
		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	Pattern 8
		33-35	Pattern 9
		36-38	Pattern 10
		39-41	Pattern 11
		42-44	Pattern 12
		45-47	Pattern 13
		48-50	Pattern 14
		51-53	Pattern 15
		54-56	Pattern 16
		57-59	Pattern 17
		60-62	Pattern 18
		63-65	Pattern 19
		66-68	Pattern 20
		69-71	Pattern 21
		72-74	Pattern 22
		75-77	Pattern 23
		78-80	Pattern 24
		81-83	Pattern 25
		84-86	Pattern 26
		87-89	Pattern 27
		90-92	Pattern 28
		93-95	Pattern 29
		96-98	Pattern 30
		99-101	Pattern 31

17	Auxiliary light Macro Function	102-104	Pattern 32
		105-107	Pattern 33
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		111-113	Pattern 35
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		192-194	Pattern 62
		195-197	Pattern 63
		198-200	Pattern 64
		201-203	Pattern 65
		204-206	Pattern 66
		207-209	Pattern 67
		210-212	Pattern 68
		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

17	Auxiliary light Macro Function	240-242	Colorful patterns 7
		243-245	Colorful patterns 8
		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
18	Auxiliary light macro function speed	0-255	From slow to fast (when the speed is zero, macro functions will not be executed)
19	Auxiliary light macro function background color	1-36	red (from dark to bright)
		37	black field
		38-73	green (from dark to bright)
		74	black field
		75-110	blue (from dark to bright)
		111	black field
		112-147	yellow (from dark to bright)
		148	black field
		149-184	pink (from dark to bright)
		185	black field
		185-221	cyan (from dark to bright)
		222	black field
		223-255	composite color (from dark to bright)
20	Function reversal and refresh	1-128	Effect running forward
		129-255	Effect running reverse.

86 channel

Channel	Function	DMX Value	Description
1	Total dimming	0-255	Must be turned on, otherwise the light beads will not light up
2	Total strobe	0-5	empty
		6-255	strobe, from slow to fast
3	Main light macro function	**0—5**	empty
		6-10	Pattern Summary
		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

3	Main light macro function	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
		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
		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
		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
4	Main light macro function speed	0-255	From slow to fast (when the speed is zero, macro functions will not be executed)
5	Main light macro function background color	1-36	red (from dark to bright)
		37	black field
		38-73	green (from dark to bright)
		74	black field
		75-110	blue (from dark to bright)
		111	black field
		112-147	yellow (from dark to bright)
		148	black field
		149-184	pink (from dark to bright)
		185	black field
		185-221	cyan (from dark to bright)
		222	black field

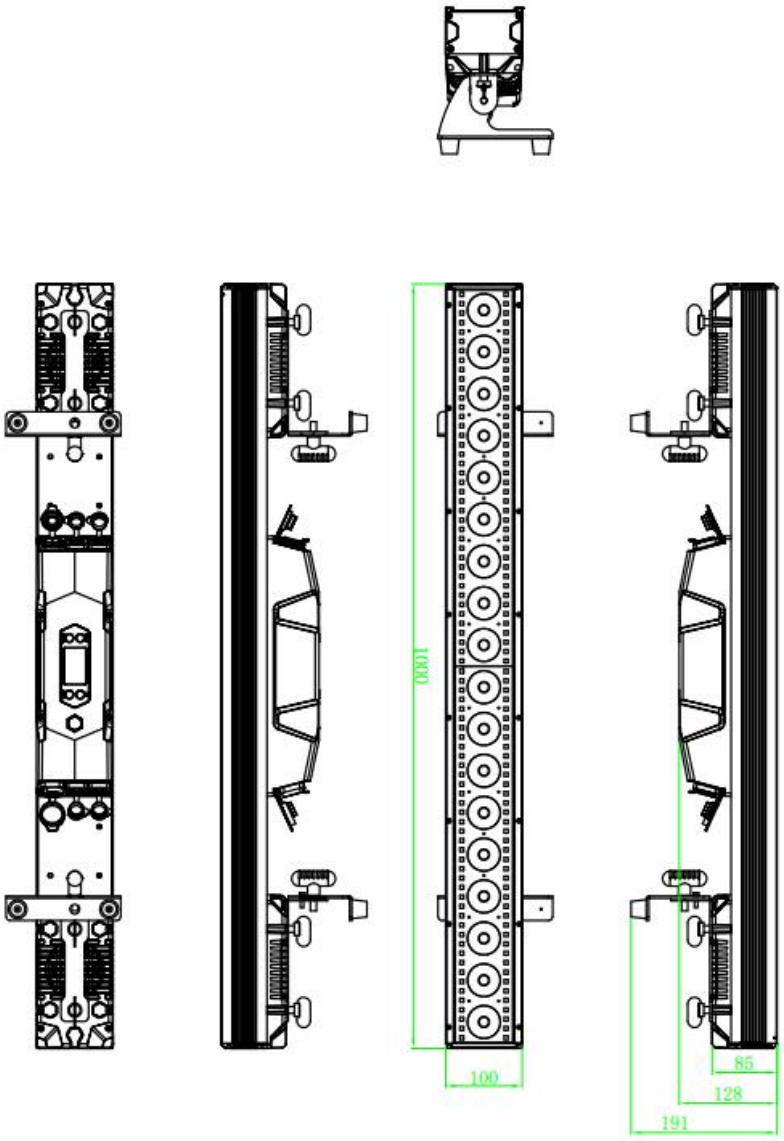
		223-255	composite color (from dark to bright)
6	Main light R dimming	0-255	Control the main light R from dark to bright, and it can also be used as a color selection for the main light macro function
7	Main light G dimming	0-255	Control the main light G from dark to bright, and it can also be used as a color selection for the main light macro function
8	Main light B dimming	0-255	Control the main light B from dark to bright, and it can also be used as a color selection for the main light macro function
9	Main light W dimming	0-255	Control the main light W from dark to bright, and it can also be used as a color selection for the main light macro function
10	Main light A dimming	0-255	Control the main light A from dark to bright, and it can also be used as a color selection for the main light macro function
11	Main light UV dimming	0-255	Control the main light UV from dark to bright, and it can also be used as a color selection for the main light macro function
12	Main light strobe	0-5	empty
		6-255	strobe, from slow to fast
13	Auxiliary light R dimming	0-255	Control the color of the auxiliary light R from dark to bright, and it can also be used as a color selection for the auxiliary light macro function
14	Auxiliary light G dimming	0-255	Control the color of the auxiliary light G from dark to bright, and it can also be used as a color selection for the auxiliary light macro function
15	Auxiliary light B dimming	0-255	Control the color of the auxiliary light B from dark to bright, and it can also be used as a color selection for the auxiliary light macro function
16	Auxiliary light strobe	0-5	empty
		6-255	strobe, from slow to fast
17	Auxiliary light Macro Function	0—5	empty
		6-8	Pattern Summary
		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	Pattern 8
		33-35	Pattern 9
		36-38	Pattern 10
		39-41	Pattern 11
		42-44	Pattern 12

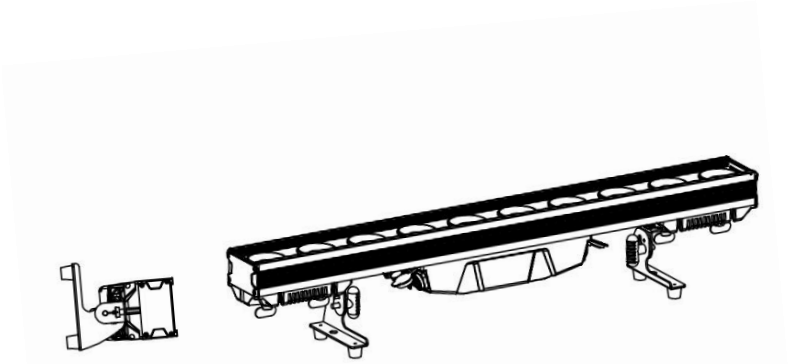
17	Auxiliary light Macro Function	45-47	Pattern 13
		48-50	Pattern 14
		51-53	Pattern 15
		54-56	Pattern 16
		57-59	Pattern 17
		60-62	Pattern 18
		63-65	Pattern 19
		66-68	Pattern 20
		69-71	Pattern 21
		72-74	Pattern 22
		75-77	Pattern 23
		78-80	Pattern 24
		81-83	Pattern 25
		84-86	Pattern 26
		87-89	Pattern 27
		90-92	Pattern 28
		93-95	Pattern 29
		96-98	Pattern 30
		99-101	Pattern 31
		102-104	Pattern 32
		105-107	Pattern 33
		108-110	Pattern 34
		111-113	Pattern 35
		114-116	Pattern 36
		117-119	Pattern 37
		120-122	Pattern 38
		123-125	Pattern 39
		126-128	Pattern 40
		129-131	Pattern 41
		132-134	Pattern 42
		135-137	Pattern 43
		138-140	Pattern 44
		141-143	Pattern 45
		144-146	Pattern 46
		147-149	Pattern 47
		150-152	Pattern 48
		153-155	Pattern 49
		156-158	Pattern 50
		159-161	Pattern 51
		162-164	Pattern 52
		165-167	Pattern 53
		168-170	Pattern 54
		171-173	Pattern 55
		174-176	Pattern 56
		177-179	Pattern 57
		180-182	Pattern 58

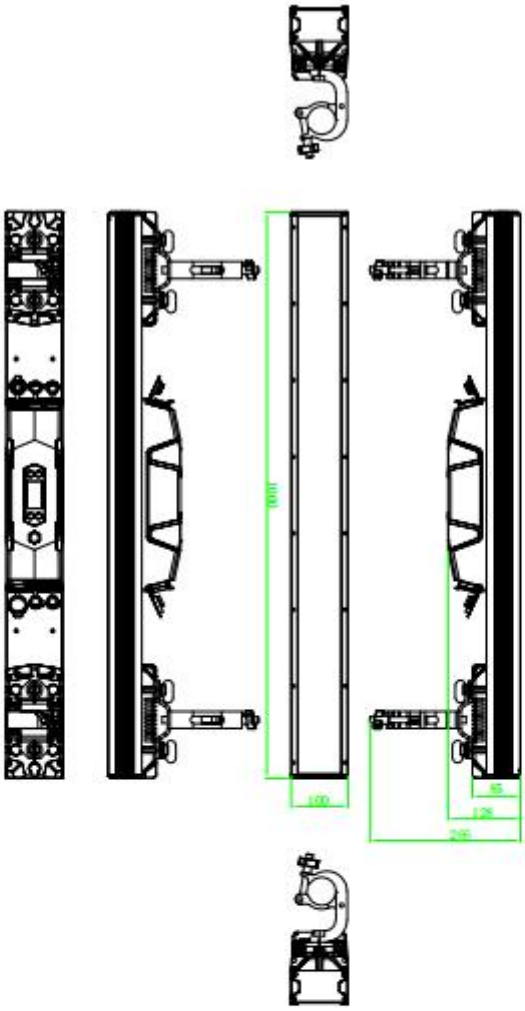
17	Auxiliary light Macro Function	183-185	Pattern 59
		186-188	Pattern 60
		189-191	Pattern 61
		192-194	Pattern 62
		195-197	Pattern 63
		198-200	Pattern 64
		201-203	Pattern 65
		204-206	Pattern 66
		207-209	Pattern 67
		210-212	Pattern 68
		213-215	Gradient
		216-218	Pulse
		219-221	Jump
		222-224	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
		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
18	Auxiliary light macro function speed	0-255	From slow to fast (when the speed is zero, macro functions will not be executed)
19	Auxiliary light macro function background color	1-36	red (from dark to bright)
		37	black field
		38-73	green (from dark to bright)
		74	black field
		75-110	blue (from dark to bright)
		111	black field
		112-147	yellow (from dark to bright)
		148	black field
		149-184	pink (from dark to bright)
		185	black field
		185-221	cyan (from dark to bright)
		222	black field
		223-255	composite color (from dark to bright)
20	Function reversal and refresh	1-128	Effect running forward
		129-255	Effect running reverse.
21	Main light R1 dimming	0-255	Control the main light R1 from dark to bright
22	Main light G1 dimming	0-255	Control the main light G1 from dark to bright
23	Main light B1 dimming	0-255	Control the main light B1 from dark to bright
24	Main light W1 dimming	0-255	Control the main light W1 from dark to bright

25	Main light A1 dimming	0-255	Control the main light A1 from dark to bright
26	Main light UV1 dimming	0-255	Control the main light UV1 from dark to bright
27	Main light R2 dimming	0-255	Control the main light R2 from dark to bright
28	Main light G2 dimming	0-255	Control the main light G2 from dark to bright
29	Main light B2 dimming	0-255	Control the main light B2 from dark to bright
30	Main light W2 dimming	0-255	Control the main light W2 from dark to bright
31	Main light A2 dimming	0-255	Control the main light A2 from dark to bright
32	Main light UV2 dimming	0-255	Control the main light UV2 from dark to bright
.....	.....	0-255	.....
51	Main light R6 dimming	0-255	Control the main light R6 from dark to bright
52	Main light G6 dimming	0-255	Control the main light G6 from dark to bright
53	Main light B6 dimming	0-255	Control the main light B6 from dark to bright
54	Main light W6 dimming	0-255	Control the main light W6 from dark to bright
55	Main light A6 dimming	0-255	Control the main light A6 from dark to bright
56	Main light UV6 dimming	0-255	Control the main light UV6 from dark to bright
57	Auxiliary light R1 dimming	0-255	Control the Auxiliary light R1 from dark to bright
58	Auxiliary light G1 dimming	0-255	Control the Auxiliary light G1 from dark to bright
59	Auxiliary light B1 dimming	0-255	Control the Auxiliary light B1 from dark to bright
60	Auxiliary light R2 dimming	0-255	Control the Auxiliary light R2 from dark to bright
61	Auxiliary light G2 dimming	0-255	Control the Auxiliary light G2 from dark to bright
62	Auxiliary light B2 dimming	0-255	Control the Auxiliary light B2 from dark to bright
.....	.....	0-255	.....
84	Auxiliary light R10 dimming	0-255	Control the Auxiliary light R10 from dark to bright
85	Auxiliary light G10 dimming	0-255	Control the Auxiliary light G10 from dark to bright
86	Auxiliary light B10 dimming	0-255	Control the Auxiliary light B10 from dark to bright

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.