

Jolt Bar IP User Manual



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TECHNICAL PARAMETERS

Light source

Power supply: AC100-240V,50Hz-60Hz

Power consumption:350W

Light source: 576(5050)*0.5WRGB+288*3wLed

Optical

Beam Angle: 120°

Controls

DMXControl: 7/10/14/17/19/33/33A/39/44/65/113/128CHS, total has 12 channel modes

4 Modes of operation: DMX, Auto, Master/Slave, RDM

Effect

0 ~ 100 % Smooth linear dimming, multiple stroboscopes speed

Construction

Display: Color Touch LCD Display

Cover: Casting Aluminum

Protection rate: IP65

Working environment: -10 °—40 °

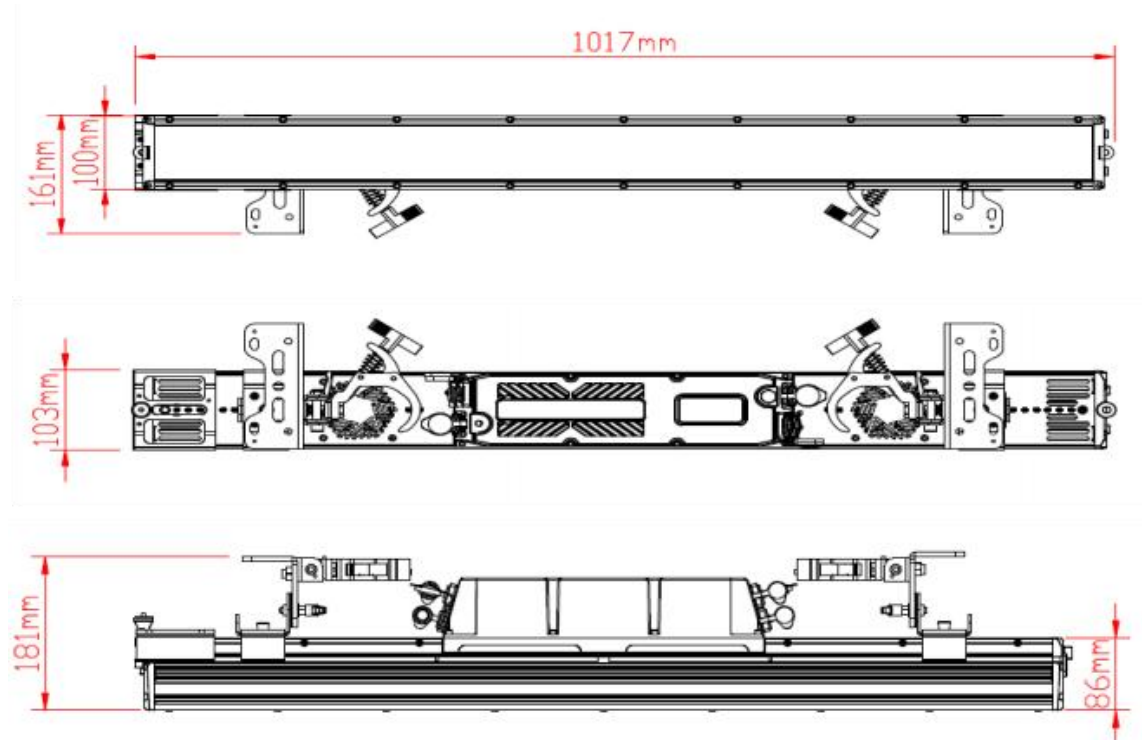
Weight&Dimension

Product size: 1017×103×181 mm

Net Weight: 10.80 Kg

Carton size: 1045×170×195 mm

SIZE DRAWING

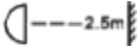


Safety Guide



warning

Read this instruction carefully. It contains important information on installation, use, and maintenance.

- Please keep this manual as a future reference, if you sell the product to other users, make sure they have access to this manual as well.
- Before using the lighting, please check carefully to make sure that there is no damage caused by transportation. If yes, please do not use and contact the dealer for the first time.
- The lighting is only suitable for indoor to dry environment.
- The installation and operation of lights should be carried out by professionals.
- Use safety harness when fixing equipment.
- The equipment must be installed in a well-ventilated area, at least 50 cm from the adjacent plane.
- Make sure the ventilation holes are unobstructed to avoid overheating when the lightings are working.
- Ensure that the power supply voltage is in line with the requirement of the equipment before operation.
- Please earth the conductive body in case of electric shock.
- Please do not use the light in more than 40 °C environment. 
- The shortest distance between all exterior surface and combustible materials is 2.5m.
- It is forbidden to connect the lighting directly to the dimmer.
- A small amount of smoke or peculiar smell may occur during the work of the new lighting, which will disappear after a few minutes.
- Do not place combustible materials near the lighting when it is working, in case of fire danger.
- Please check whether the power line is broken before turning on the lighting, please replace it immediately if there is any damage.
- Lightings runtime surface temperature of 60 °C, please do not touch with bare hands.
- Avoid long time to turn on lighting, so as not to shorten the life of lighting.
- Avoid the metal and other conductive body into the interior of the lighting, so as to avoid electric shock or fire. If any foreign body enters the lighting, please cut off the power immediately.
- Avoid operation in dirty and dusty environment, and regularly clean and maintain the lighting.
- Children are not allowed to contact/operate lighting.
- Do not touch the wire when the lighting is working in case of electric shock.
- Avoid winding of power cord and other wire.
- Please use the same model when replacing the fuse.
- If there is a serious malfunction, please stop using it immediately.
- Do not open the lighting again.
- Please replace the lighting housing and lens when there is obvious damage.
- The interior of the lighting is not available.
- Please do not open the shell of the lighting without authorization.
- If necessary, please contact the nearest authorized service center.
- Please cut off the power when the lightings are not used or repaired for a long time.

- Please use the original packing material for re-shipment.
- To avoid fire or electric shock, do not expose the lighting to rain or wet areas.
- Please do not look directly when the lighting is working.
- The product may emit harmful optical radiation.

Warning

- Do not expose the lighting to rain or humidity in order to prevent or reduce the danger of electric shock and fire.
- shut off for 5 minutes.
- The lighting housing, when the lens has obvious damage, please replace it in time.

If AC 230V~50Hz power supply is used, do not connect more than 5 lamps in series, please use another power supply to provide power for the next set of 5 lamp sets;

If AC 120V~60Hz power supply is used, do not connect more than 3 lamps in series. Please use another power source to provide power for the next set of 3 lamps.

Attention

There is no spare parts inside the lamp, please do not open the shell without authorization. Please contact the nearest technical service center if necessary.

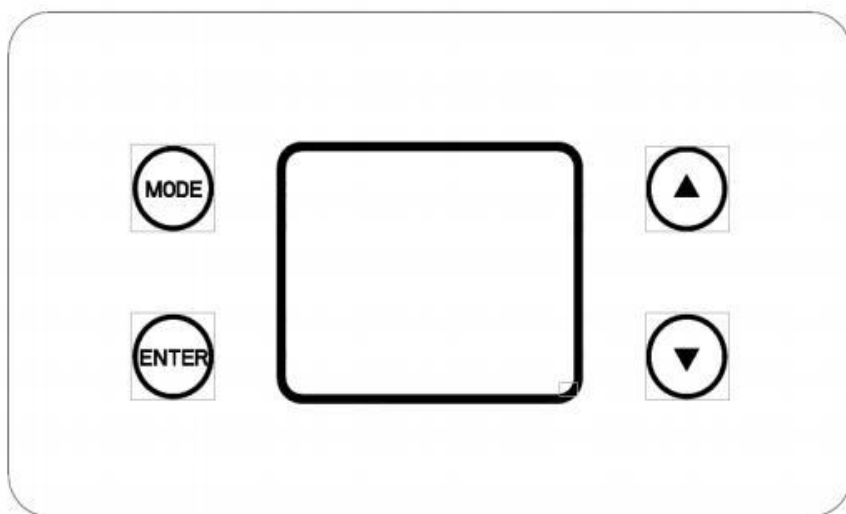
Installation

The lightings should be screwed to the bracket. Make sure the installation is strong enough to prevent flicking and sliding at run time. Also make sure the fixtures are stable and support the weight of more than 10 times the equipment. At the same time, when the installation of the equipment, can use under 12 times the product of the weight of the safety rope.

Equipment must be installed by professionals. The lighting is to be installed on the human body, and there will be no passers-by or seats.

How to set the lighting

Control Panel



○₁ **LCD:** Displays menu options and selected features;

○₂ **Button:**

MENU	Select Function
DOWN	Select the next menu option
UP	Select the previous menu option
ENTER	Confirm the selected function

○₃ **POWERCON** Input: connect lamp to supply power;

○₄ **POWERCON** Output: connect the next lamp and provide power;

○₅ **DMX** Input: input **DMX** signal using **3-core XLR** signal line;

○₆ **DMX** Output: connect the next lamp with the **3-core XLR** signal line and output the **DMX** signal;

Main Function

To select a preset feature, press the **MENU** button to select the **MENU** option you want. Press **ENTER** button to ENTER the selected function, the display screen will blink, then use the **UP/DOWN** button to select the desired function, press **ENTER** button to confirm. To return to the main **MENU**, press the **MENU** button.

Unlock password: press and hold MODE key

The main functions are shown below

for 4 seconds When the screen is black: press and hold the MODE key for 4 seconds.

main menu	Secondary Menu	Third level menu	Default value
DMX MODE	DMX MODE	Address 001	001-512
		Channel 32ACH	007/010/014/017/019/033/33A /039/ 044 /065/113/128CH
Displays the mode	AUTO	Dimmer 255	000-255
		RGB effect 00	00-54 00 : Black field, do not execute effect 01 : Gradient 02 : Pulsatile 03 : Jump 04: Effects polling 05-54: Each effect
		RGB speed 100	000-100

currently being executed		RGB color 00		00-07 00 : Color polling (the color effect will be displayed during pattern polling) 01:R 02 : G 03 : B 04 : RG 05 : RB 06 : GB 07 : RGB
		W effect 00		00-33 00 : Black field, do not execute effect 01 : Gradient 02 : Pulsatile 03 : Effects polling 04-33 : Each effect
		W speed 100		000-100
	MANUAL	Dimmer 255		000-255
		Red 000		000-255
		Green 000		000-255
		Blue 000		000-255
		White 000		000-255
	VOICE	Dimmer 255		000-255
		RGB mic 00	1-05 00 : Black field, do not execute 2-04: Each voice control 05 : Voice Polling	
		RGB sensi 100		000-100
		W mic 00	1-05 00 : Black field, do not execute 2-04 : Each voice control 05: Voice Polling	
		W sensi 100		000-100
	Net Set	IP address	IP1:002 IP2: 168 IP3: XXX IP4: XXX	
		Sub.Mask	mask1:255 mask2:255 mask3:000 mask4:000	
		Art-Net	Net:000 Sub-Net:00 Universe:00 Port:00000	
		SACN	Universe:00001	
	Connect Option	CONCT OP AUTO		
	SETTING	Language	English Chinese	
		MOSI switch	For switching between master and slave equipment, only one equipment in a group of lamps can be used as the host, and the console signal cannot be accessed.	
			Shut down	
			Turn on	
		Screensaver	Shut down	

	Turn on	Enter the screen saver after 30 seconds of no operation
Signal state	In DMX mode, the data status of the lamp bead after the signal is off.	
	Clear	The data will be cleared later
	Hold	Data retention
Light order	Direction of bead running and dimming	
	Positive	
	Reverse	
Dim bit	Bead data change process	
	8bit	Lamp bead data direct switching
	16bit	Smooth conversion of bead data
Dim speed	The speed at which the light changes	
	Level_1	The higher the number, the slower the light changes
	Level_2	
	Level_3	
	Level_4	
	Level_5	
Dim curve	Linear	
	Square	
	Anti-square	
	S-line	
Fan mode	Controlled	When the temperature control is not connected and the lamp is on, the fan rotates; after the temperature control resistor is connected, When the temperature is above 44℃, the fan rotates. When the temperature is below 40℃, the fan stops rotating
	Continue	
Screenlock	Shut down	
	Turn on	Lock after 30 seconds without key operation
Screenflip	Shut down	
	Turn on	
Restore	Factory restored, background parameters and language settings are not restored, and the interface jumps to the main interface	
	Shut down	
	Turn on	
Firmware VER	250803X4V1	
RDM ID	Per Device ID number is different, which is composed of 6 hexadecimal numbers	

	SYSTEM INFO	Temperature	LED: xx °C/xx °F MAX: xx °C/xx
		Power on time	0F : 00
		Fan state	
		Errors	If the temperature resistance test fails, the failed temperature control is displayed

How to control the lighting

The lighting can be controlled in two ways as below:

1. The Master/Slave Machine Built-in Function;
2. DMX Controller.

No need to turn off the power of the lighting, and the new address code can be set immediately. Open the lighting, it began to receive DMX signal.

Master/Slave Built-in Function

String many sets of lightings, first walkin the lighting of 1, 2, 3 (host, the host indicator, voice control indicator lights flashing, signal input connectionless), will control the other lamps and lanterns (vice machine, machine signal connection indicator) and the host with step effect.

Universal DMX Controller

When using the general DMX control controller to control the lighting, please set the starting address (1-512) for the light to receive the DMX letter number.

Press MENU button up to show Address, Press ENTER button, to show flashing; Use UP/DOWN button to select address code; Press ENTER to save or not save and return to the last menu; Please click the MENU button to return the Main Menu.

If you want to use this function, please refer to the DMX512 address of the first 4 lightings in the diagram below:

- 07 CHS Mode:001,008,015,022.....**
- 10 CHS Mode:001,011,021,031.....**
- 14 CHS Mode:001,015,029,043.....**
- 17 CHS Mode:001,018,035,052.....**
- 19 CHS Mode:001,020,039,058.....**
- 33/33A CHS Mode:001,034,067,100.....**
- 39 CHS Mode:001,040,079,118.....**
- 44 CHS Mode:001,045,089,133.....**
- 65 CHS Mode:001,066,131,196.....**
- 113 CHS Mode:001,114,227,340.....**
- 128 CHS Mode:001,129,257,385.....**

DMX512 Channels

After power on, connect to the console. When the DMX512 console signal is not received, an "X" appears behind the DMX ADDR menu. When the DMX512 console signal is received, the "X" behind the DMX ADDR menu will automatically disappear, and then the control console signal will be controlled.

In the address code state, if there is no access console after multi-machine connection, the master-slave online function can be realized to operate one of the devices, while the rest devices in the address state follow the host to run programs synchronously. DMX512 signal must be cut off when the master-slave is online.

7CH	function	details
1	Outer Red	000-255 line dimming from dark to bright
2	Outer Green	000-255 line dimming from dark to bright
3	Outer Blue	000-255 line dimming from dark to bright
4	Inner white	000-255 line dimming from dark to bright
5	Total dimming	000-255 line dimming from dark to bright
6	Dimming adjust	000-255 line dimming from dark to bright
7	Atomized glass(0% -100%)	000-255 Atomized glass(0% -100%)

10CH	function	details
1	Outer Red	000-255 line dimming from dark to bright
2	Outer Green	000-255 line dimming from dark to bright
3	Outer Blue	000-255 line dimming from dark to bright
4	Inner white	000-255 line dimming from dark to bright
5	Total dimming	000-255 line dimming from dark to bright
6	Dimming adjust	000-255 line dimming from dark to bright
7	Stroboscopic effect	000-002 switch, 003-005 strobe, 006-050 sawtooth waveform up, 051-100 sawtooth waveform down, 101-150 slow light slow dark, 151-200 lightning, 201 -255 random
8	Stroboscopic velocity	000-255 Slow to Fast Stroboscopic Rate
9	Stroboscopic duration	000-255 Stroboscopic duration from slow to fast
10	Atomized glass(0% -100%)	000-255 Atomized glass(0% -100%)

14CH	function	details
1	Outer Red	000-255 line dimming from dark to bright
2	Outer Green	000-255 line dimming from dark to bright
3	Outer Blue	000-255 line dimming from dark to bright
4	Inner white	000-255 line dimming from dark to bright
5	Outer Color Macro Functiont	000-255 Outer Color Macro Functiont
6	Total dimming	000-255 line dimming from dark to bright
7	Dimming adjust	000-255 line dimming from dark to bright
8	Stroboscopic effect	000-002 switch, 003-005 strobe, 006-050 sawtooth waveform up, 051-100 sawtooth waveform down, 101-150 slow light slow dark, 151-200 lightning, 201-255 random
9	Stroboscopic velocity	000-255 Stroboscopic speed from slow to fast
10	Stroboscopic duration	000-255 Stroboscopic duration. From slow to fast
11	RGB Outer program macro function	<p>0-5 empty; Available color patterns: 6-185 Non-selectable color patterns: 186-255 (Poll the color of the LED beads) / Optional color patterns / / 13, 1-3, 5 channels need to be pushed up for assistance 6-9 Varieties 10-13 pattern 1, 14-17 pattern 2, 18-21 pattern 3, 22-25 pattern 4, 26-29 pattern 5, 30-33 pattern 6, 34-37 pattern 7, 38-41 Pattern 8, 42-45, Pattern 9, 46-49, Pattern 10, 50-53 11, 54-57 patterns 12, 58-61 patterns 13, 62-65 patterns Pattern 14, 66-69, Pattern 15, 70-73, Pattern 16, 74-77, Pattern 17 Pattern 78-81 18, Pattern 82-85 19, Pattern 86-89 20, Pattern 90-93 Pattern 21, 94-97 pattern 22, 98-101 Pattern 23, 102-105 pattern Sample 24, 106-109 pattern 25, 110-113 pattern 26, 114-117 pattern Sample 27, 118-121, pattern 28, 122-125, pattern 29, 126-129 Sample 30, 130-133 pattern 31, 134-137 pattern 32, 138-141 pattern Sample 33, 142-145 pattern 34, 146-149 pattern 35 Pattern 150-153 36, pattern 154-157 37, pattern 158-161 38, 162-165 patterns 39, 166-169 patterns 40, 170-173 patterns 41, 174-177 pattern 42, 178-181 pattern 43, 182-185 pattern 44 13, channels need to be pushed up for assistance 186-189 gradient, 190-193 pulse change, 194-197 jump change, 198-201 color Color Pattern 1 202-205 Color Pattern 2 206-209 Color Pattern 3 210-213 color pattern 4 214-217 Color pattern 5 218-221 color Pattern 6 222-227 Voice Control mode 1 228-233 Voice Control Mode 2 Voice control mode: 234-239; Voice control mode: 240-245; Voice control mode: 246-255 Pattern summary</p>
	W	<p>0-5 empty; Selectable color patterns: 6-222; Non-selectable color patterns 223-255/ Optional color patterns / 13, 4 channels need to be</p>

12	Inner program macro function	<p>pushed up for assistance</p> <p>6-12 Patterns 13-19 patterns 1, 20-26 patterns 2, 27-33 patterns Pattern 3, 34-40 pattern 4, 41-47 pattern 5, 48-54 pattern 6, 55-61 Pattern 7, 62-68 pattern 8, 69-75 Pattern 9, 76-82 pattern 10, 83-89 patterns 11, 90-96 patterns 12, 97-103 patterns 13, 104-110 patterns 14, 111-117 patterns 15, 118-124 patterns 16, 125-131 patterns 17, 132-138 patterns 18, 139-145 patterns 19, 146-152 patterns Sample 20, 153-159 pattern 21, 160-166 pattern 22, 167-173 Pattern 23, 174-180 pattern 24, 181-187 pattern 25, 188-194 patterns 26, 195-201 patterns 27, 202-208 patterns Sample 28, 209-215 patterns 29, 216-222 Pattern 30 / No color or pattern selection 13, channels need to be pushed up for assistance 223-229 pulse variation, 230-236 jump variation, 237-240 voice control mode 1 241-244 voice control mode 2, 245-248 voice control mode 3, 249-252 voice Summary of voice control modes 4, 253-255 voice control mode</p>
13	Outer/inner program macro function speed	000-255 Outer Layer Inner Color Macro Speed
14	Atomized glass(0%-100%)	000-255 Atomized glass(0%-100%)

17CH	function	details
1	Atomized glass(0% -100%)	000-255 Atomized glass(0% -100%)
2	Outer red 1 zones	000-255 line dimming from dark to bright
3	outer Green 1 zones	000-255 line dimming from dark to bright
4	outer blue 1 zones	000-255 line dimming from dark to bright
5	outer red 2 zones	000-255 line dimming from dark to bright
6	outer green 2 zones	000-255 line dimming from dark to bright
7	outer blue 2 zones	000-255 line dimming from dark to bright
8	outer red 3 zones	000-255 line dimming from dark to bright
9	outer green 3 zones	000-255 line dimming from dark to bright
10	outer blue 3 zones	000-255 line dimming from dark to bright
11	outer red 4 zones	000-255 line dimming from dark to bright
12	outer green 4 zones	000-255 line dimming from dark to bright
13	outer blue 4 zones	000-255 line dimming from dark to bright
14	Inner white 1 zones	000-255 line dimming from dark to bright
15	Inner white 2 zones	000-255 line dimming from dark to bright
16	Inner white 3 zones	000-255 line dimming from dark to bright
17	Inner white 4 zones	000-255 line dimming from dark to bright

19CH	function	details
1	R dimming	
2	G dimming	
3	B dimming	
4	RGB Color selection	000-009, empty 010-255, Color 1–33; for details, refer to the RGB color selection table at the end of the document.
5	RGB Central dimming	
6	RGB General dimming and fine adjustment	
7	RGB Flicker effect	000-002, opening the light 003-005, Regular strobe 006-050, Slow Bright Stroboscopic Light 051-100, Slow flicker 101-150, Slow-on, slow-off strobe effect 151-200, Lightning strobe 201-255, Random Stroboscopic Light
8	RGB Flicker speed	From slow to fast
9	RGB Flicker duration	Increase the duration of the regular strobe lighting
10	RGB lighting effects	<p>0–5 empty; Optional color pattern: 6-185 Non selectable color pattern: 186-255</p> <p>/*****Optional color pattern*****/ 11, 1-3, 4The channel needs to be activated foassistance.</p> <p>6-9 Data Summary 10-13 pattern 1 14-17 pattern 2 18-21 pattern 3 22-25 pattern 4 26-29 pattern 5 30-33 pattern 6 34-37 pattern 7 38-41 pattern 8 42-45 pattern 9 46-49 pattern 10 50-53 pattern 11 54-57 pattern 12 58-61 pattern 13 62-65 pattern 14 66-69 pattern 15 70-73 pattern 16 74-77 pattern 17 78-81 pattern 18 82-85 pattern 19 86-89 pattern 20 90-93 pattern 21 94-97 pattern 22 98-101 pattern 23 102-105 pattern 24 106-109 pattern 25 110-113 pattern 26 114-117 pattern 27 118-121 pattern 28</p>

		122-125 pattern 29 126-129 pattern 30 130-133 pattern 31 134-137 pattern 32 138-141 pattern 33 142-145 pattern 34 146-149 pattern 35 150-153 pattern 36 154-157 pattern 37 158-161 pattern 38 162-165 pattern 39 166-169 pattern 40 170-173 pattern 41 174-177 pattern 42 178-181 pattern 43 182-185 pattern 44 /*****/ *****/ /***** Non selectable color *****/ pattern *****/ 11The channel needs to be activated for assistance. 186-189 Gradient 190-193 Pulse change 194-197 jump 198-201 colour pattern 1 202-205 colour pattern 2 206-209 colour pattern 3 210-213 colour pattern 4 214-217 colour pattern 5 218-221 colour pattern 6 222-227 Voice Control Mode 1 228-233 Voice Control Mode 2 234-239 Voice Control Mode 3 240-245 Voice Control Mode 4 246-255 Voice Control Modegather /*****/ *****/
11	RGB Light Efficiency Speed	000, Do not apply lighting effects 001-255, From slow to fast
12	W General dimming	
13	W General dimming and fine adjustment	
14	W Flicker effect	000-002, opening the light 003-005, Regular strobe 006-050, Slow Bright Stroboscopic Light 051-100, Slow Flash 101-150, Slow-on, slow-off strobe effect 151-200, Lightning strobe 201-255, Random Stroboscopic Light
15	W Flicker speed	From slow to fast
16	W Flicker duration	Increase the duration of the regular strobe lighting
17	W Lighting effects	0—5 empty; Optional color pattern: 6-222 Non selectable color pattern: 223-255

		<pre> /*****Optional color pattern*****/ 18 The channel needs to be activated for assistance. 6-12 Data Summary 13-19 pattern 1 20-26 pattern 2 27-33 pattern 3 34-40 pattern 4 41-47 pattern 5 48-54 pattern 6 55-61 pattern 7 62-68 pattern 8 69-75 pattern 9 76-82 pattern 10 83-89 pattern 11 90-96 pattern 12 97-103 pattern 13 104-110 pattern 14 111-117 pattern 15 118-124 pattern 16 125-131 pattern 17 132-138 pattern 18 139-145 pattern 19 146-152 pattern 20 153-159 pattern 21 160-166 pattern 22 167-173 pattern 23 174-180 pattern 24 181-187 pattern 25 188-194 pattern 26 195-201 pattern 27 202-208 pattern 28 209-215 pattern 29 216-222 pattern 30 /***** *****/ /*****Non selectable color pattern*****/ 18 The channel needs to be activated for assistance. 223-229 Pulse change 230-236 jump 237-240 Voice Control Mode 1 241-244 Voice Control Mode 2 245-248 Voice Control Mode 3 249-252 Voice Control Mode 4 253-255 Voice Control Mode Summary /***** *****/ </pre>
18	W Light Efficiency Speed	000, Do not apply lighting effects 001-255, From slow to fast
19	atomization	

33/33ACH	function	details
1	Atomized glass(0%-100%)	000-255 Atomized glass(0%-100%)
2	Outer red 1 zones	000-255 line dimming from dark to bright
3	outer Green 1 zones	000-255 line dimming from dark to bright
4	outer blue 1 zones	000-255 line dimming from dark to bright
5	outer red 2 zones	000-255 line dimming from dark to bright
6	outer green 2 zones	000-255 line dimming from dark to bright
7	outer blue 2 zones	000-255 line dimming from dark to bright
8	outer red 3 zones	000-255 line dimming from dark to bright
9	outer green 3 zones	000-255 line dimming from dark to bright
10	Outer blue 3 zones	000-255 line dimming from dark to bright
11	outer red 4 zones	000-255 line dimming from dark to bright
12	outer green 4 zones	000-255 line dimming from dark to bright
13	Outer blue 4 zones	000-255 line dimming from dark to bright
14	outer red 5 zones	000-255 line dimming from dark to bright
15	outer green 5 zones	000-255 line dimming from dark to bright
16	Outer blue 5 zones	000-255 line dimming from dark to bright
17	outer red 6 zones	000-255 line dimming from dark to bright
18	outer green 6 zones	000-255 line dimming from dark to bright
19	Outer blue 6 zones	000-255 line dimming from dark to bright
20	outer red 7 zones	000-255 line dimming from dark to bright
21	outer green 7 zones	000-255 line dimming from dark to bright
22	Outer blue 7 zones	000-255 line dimming from dark to bright
23	outer red 8 zones	000-255 line dimming from dark to bright
24	outer green 8 zones	000-255 line dimming from dark to bright
25	Outer blue 8 zones	000-255 line dimming from dark to bright
26	Inner white light 1 zones	000-255 line dimming from dark to bright
27	Inner white light 1 zones	000-255 line dimming from dark to bright
28	Inner white light 2 zones	000-255 line dimming from dark to bright
29	Inner white light 3 zones	000-255 line dimming from dark to bright
30	Inner white light 5 zones	000-255 line dimming from dark to bright
31	Inner white light 6 zones	000-255 line dimming from dark to bright
32	Inner white light 7 zones	000-255 line dimming from dark to bright
33	Inner white light 8 zones	000-255 line dimming from dark to bright

39CH	function	details
1	Atomized glass(0%-100%)	000-255 Atomized glass(0%-100%)

2	Outer red 1 zones	000-255 line dimming from dark to bright
3	outer Green 1 zones	000-255 line dimming from dark to bright
4	outer blue 1 zones	000-255 line dimming from dark to bright
5	Outer red 2 zones	000-255 line dimming from dark to bright
6	outer Green 2 zones	000-255 line dimming from dark to bright
7	outer blue 2 zones	000-255 line dimming from dark to bright
8	Outer red 3 zones	000-255 line dimming from dark to bright
9	outer Green 3 zones	000-255 line dimming from dark to bright
10	outer blue 3 zones	000-255 line dimming from dark to bright
11	Outer red 4 zones	000-255 line dimming from dark to bright
12	outer Green 4 zones	000-255 line dimming from dark to bright
13	outer blue 4 zones	000-255 line dimming from dark to bright
14	Outer red 5 zones	000-255 line dimming from dark to bright
15	outer Green 5 zones	000-255 line dimming from dark to bright
16	outer blue 5 zones	000-255 line dimming from dark to bright
17	Outer red 6 zones	000-255 line dimming from dark to bright
18	outer Green 6 zones	000-255 line dimming from dark to bright
19	outer blue 6 zones	000-255 line dimming from dark to bright
20	Outer red 7 zones	000-255 line dimming from dark to bright
21	outer Green 7 zones bright	000-255 line dimming from dark to bright
22	outer blue 7 zones	000-255 line dimming from dark to bright
23	Outer red 8zones	000-255 line dimming from dark to bright
24	outer Green 8zones	000-255 line dimming from dark to bright
25	outer blue 8 zones	000-255 line dimming from dark to bright
26	outer Dimming	000-255 line dimming from dark to bright
27	Outer dimming fine tuning	000-255 line dimming from dark to bright
28	Outer stroboscopic effect	000-002 switch, 003-005 strobe, 006-050 sawtooth waveform up, 051-100 sawtooth waveform down, 101-150 slow light slow dark, 151-200 lightning, 201-255 random
29	Stroboscopic velocity	000-255 Stroboscopic speed from slow to fast
30	Stroboscopic duration	000-255 Stroboscopic duration. From slow to fast
31	Inner white light 1 zones	000-255 Inner strobe velocity from slow to fast
32	Inner white light 2 zones	000-255 Inner strobe velocity from slow to fast
33	Inner white light 3 zones	000-255 Inner strobe velocity from slow to fast
34	Inner white light 4 zones	000-255 Inner strobe duration from slow to fast
35	Inner white light 4 zones	000-255 line dimming from dark to bright
36	Inner white light fine adjusted	000-255 line dimming from dark to bright

37	Inner stroboscopic effect	000-002 switch, 003-005 strobe, 006-050 sawtooth waveform up, 051-100 sawtooth waveform down, 101-150 slow light slow dark, 151-200 lightning, 201-255 random
38	Inner strobe velocity	000-255 Inner strobe velocity from slow to fast
39	Inner strobe duration	000-255 Inner strobe duration from slow to fast

44CH	function	details
1	Atomized glass(0%-100%)	000-255 Atomized glass(0%-100%)
2	Outer red 1 zones	000-255 line dimming from dark to bright
3	outer Green 1 zones	000-255 line dimming from dark to bright
4	outer blue 1 zones	000-255 line dimming from dark to bright
5	Outer red 2 zones	000-255 line dimming from dark to bright
6	outer Green 2 zones	000-255 line dimming from dark to bright
7	outer blue 2 zones	000-255 line dimming from dark to bright
8	Outer red 3 zones	000-255 line dimming from dark to bright
9	outer Green 3 zones	000-255 line dimming from dark to bright
10	outer blue 3 zones	000-255 line dimming from dark to bright
11	Outer red 4 zones	000-255 line dimming from dark to bright
12	outer Green 4 zones	000-255 line dimming from dark to bright
13	outer blue 4 zones	000-255 line dimming from dark to bright
14	Outer red 5 zones	000-255 line dimming from dark to bright
15	outer Green 5 zones	000-255 line dimming from dark to bright
16	outer blue 5 zones	000-255 line dimming from dark to bright
17	Outer red 6 zones	000-255 line dimming from dark to bright
18	outer Green 6 zones	000-255 line dimming from dark to bright
19	outer blue 6 zones	000-255 line dimming from dark to bright
20	Outer red 7 zones	000-255 line dimming from dark to bright
21	outer Green 7 zones bright	000-255 line dimming from dark to bright
22	outer blue 7 zones	000-255 line dimming from dark to bright
23	Outer red 8 zones	000-255 line dimming from dark to bright
24	outer Green 8 zones	000-255 line dimming from dark to bright
25	outer blue 8 zones	000-255 line dimming from dark to bright
26	Outer Color Macro Functiont	000-255 Outer Color Macro Functiont
27	outer Dimming	000-255 line dimming from dark to bright
28	Outer dimming fine tuning	000-255 line dimming from dark to bright
29	Outer	000-002 switch, 003-005 strobe, 006-050

	stroboscopic effect	sawtooth waveform up, 051-100 sawtooth waveform down, 101-150 slow light slow dark, 151-200 lightning, 201-255 random
30	Stroboscopic velocity	000-255 Stroboscopic speed from slow to fast
31	Stroboscopic duration	000-255 Stroboscopic duration. From slow to fast
32	RGB Outer program macro function	0-5 empty; Available color patterns: 6-185 Non-selectable color patterns: 186-255 (Poll the color of the LED beads) / Optional color patterns / / 33, 2-4, 26 channels need to be pushed up for assistance 6-9 Varieties 10-13 pattern 1, 14-17 pattern 2, 18-21 pattern 3, 22-25 pattern4, 26-29 pattern 5, 30-33 pattern 6, 34-37 pattern 7, 38-41 Pattern 8, 42-45, Pattern 9, 46-49, Pattern 10, 50-53 11, 54-57 patterns 12, 58-61 patterns 13, 62-65 patterns Pattern 14, 66-69, Pattern 15, 70-73, Pattern 16, 74-77, Pattern 17 Pattern 78-81 18, Pattern 82-85 19, Pattern 86-89 20, Pattern 90-93 Pattern 21, 94-97 pattern 22, 98-101 Pattern 23, 102-105 pattern Sample 24, 106-109 pattern 25, 110-113 pattern 26, 114-117 pattern Sample 27, 118-121, pattern 28, 122-125, pattern 29, 126-129 Sample 30, 130-133 pattern 31, 134-137 pattern 32, 138-141 pattern Sample 33, 142-145 pattern 34, 146-149 pattern 35 Pattern 150-153 36, pattern 154-157 37, pattern 158-161 38, 162-165 patterns 39, 166-169 patterns 40, 170-173 patterns 41, 174-177 pattern 42, 178-181 pattern 43, 182-185 pattern 44 / Non-selectable color patterns // 33 channels need to be pushed up for assistance 186-189 gradient, 190-193 pulse change, 194-197 jump change, 198-201 color Color Pattern 1 202-205 Color Pattern 2 206-209 Color Pattern 3 210-213 color pattern 4 214-217 Color pattern 5 218-221 colorPattern 6 222-227 Voice Control mode 1 228-233 Voice Control Mode 2 Voice control mode: 234-239; Voice control mode: 240-245; Voice control mode: 246-255 Pattern summary .
33	Outer program macro function speed	000-255 Outer Layer Inner Color Macro Speed
34	Inner white light 1 zone	000-255 line dimming from dark to bright
35	Inner white light 2 zone	000-255 line dimming from dark to bright
36	Inner white light 3 zone	000-255 line dimming from dark to bright
37	Inner white light 4 zone	000-255 line dimming from dark to bright

38	Inner dimming	000-255 line dimming from dark to bright
39	Inner dimming fine tuning	000-255 line dimming from dark to bright
40	Inner stroboscopic effect	000-002 switch, 003-005 strobe, 006-050 sawtooth waveform up, 051-100 sawtooth waveform down, 101-150 slow light slow dark, 151-200 lightning, 201-255 random
41	Inner strobe velocity	000-255 Inner strobe velocity from slow to fast
42	Stroboscopic duration	000-255 Stroboscopic duration. From slow to fast
43	W Inner program macro function	0-5 empty; Selectable color patterns: 6-222; Non-selectable color patterns 223-255/ Optional color patterns / / 44,34 channels need to be pushed up for assistance - 6-12 Patterns 13-19 patterns 1, 20-26 patterns 2, 27 - patterns Pattern 3, 34-40 pattern 4, 41-47 pattern 5, 48-54 pattern 6, 55-61 Pattern 7, 62-68 pattern 8, 69-75 Pattern 9, 76-82 pattern 10, 83-89 patterns 11, 90-96 patterns 12, 97-103 patterns 13, 104-110 patterns 14, 111-117 patterns 15, 118-124 patterns 16, 125-131 patterns 17, 132-138 patterns 18, 139-145 patterns 19, 146-152 patterns Sample 20, 153-159 pattern 21, 160-166 pattern 22, 167-173 Pattern 23, 174-180 pattern 24, 181-187 pattern 25, 188-194 patterns 26, 195-201 patterns 27, 202-208 patterns Sample 28, 209-215 patterns 29, 216-222 Pattern 30 / No color or pattern selection Channel / 44 channels need to be pushed up for assistance 223-229 pulse variation, 230-236 jump variation, 237-240 voice control mode 1 241-244 voice control mode 2, 245-248 voice control mode 3, 249-252 voice Summary of voice control modes 4, 253-255 voice control mode
44	Outer/inner program macro function speed	000-255 Outer Layer Inner Color Macro Speed from slow to fast

65CH	function	details
1	Atomized glass(0%-100%)	000-255 Atomized glass(0%-100%)
2	Outer red 1 zones	000-255 line dimming from dark to bright
3	outer Green 1 zones	000-255 line dimming from dark to bright
4	outer blue 1 zones	000-255 line dimming from dark to bright
5	Outer red 2 zones	000-255 line dimming from dark to bright

6	outer Green 2 zones	000-255 line dimming from dark to bright
7	outer blue 2 zones	000-255 line dimming from dark to bright
8	Outer red 3 zones	000-255 line dimming from dark to bright
9	outer Green 3 zones	000-255 line dimming from dark to bright
10	outer blue 3 zones	000-255 line dimming from dark to bright
11	Outer red 4 zones	000-255 line dimming from dark to bright
12	outer Green 4 zones	000-255 line dimming from dark to bright
13	outer blue 4 zones	000-255 line dimming from dark to bright
14	Outer red 5 zones	000-255 line dimming from dark to bright
15	outer Green 5 zones	000-255 line dimming from dark to bright
16	outer blue 5 zones	000-255 line dimming from dark to bright
17	Outer red 6 zones	000-255 line dimming from dark to bright
18	outer Green 6 zones	000-255 line dimming from dark to bright
19	outer blue 6 zones	000-255 line dimming from dark to bright
20	Outer red 7 zones	000-255 line dimming from dark to bright
21	outer Green 7 zones	000-255 line dimming from dark to bright
22	outer blue 7 zones	000-255 line dimming from dark to bright
23	Outer red 8 zones	000-255 line dimming from dark to bright
24	outer Green 8 zones	000-255 line dimming from dark to bright
25	outer blue 8 zones	000-255 line dimming from dark to bright
26	Outer red 9 zones	000-255 line dimming from dark to bright
27	outer Green 9 zones	000-255 line dimming from dark to bright
28	outer blue 9 zones	000-255 line dimming from dark to bright
29	Outer red 10 zones	000-255 line dimming from dark to bright
30	outer Green 10 zones	000-255 line dimming from dark to bright
31	outer blue 10 zones	000-255 line dimming from dark to bright
32	Outer red 11 zones	000-255 line dimming from dark to bright
33	outer Green 11 zones	000-255 line dimming from dark to bright
34	outer blue 11 zones	000-255 line dimming from dark to bright
35	Outer red 12 zones	000-255 line dimming from dark to bright
36	outer Green 12 zones	000-255 line dimming from dark to bright
37	outer blue 12 zones	000-255 line dimming from dark to bright
38	Outer red 13 zones	000-255 line dimming from dark to bright
39	outer Green 13 zones	000-255 line dimming from dark to bright
40	outer blue 13 zones	000-255 line dimming from dark to bright
41	Outer red 14 zones	000-255 line dimming from dark to bright
42	outer Green 14 zones	000-255 line dimming from dark to bright
43	outer blue 14 zones	000-255 line dimming from dark to bright

44	Outer red 15 zones	000-255 line dimming from dark to bright
45	outer Green 15 zones	000-255 line dimming from dark to bright
46	outer blue 15 zones	000-255 line dimming from dark to bright
47	Outer red 16 zones	000-255 line dimming from dark to bright
48	outer Green 16 zones	000-255 line dimming from dark to bright
49	outer blue 16 zones	000-255 line dimming from dark to bright
50	Inner white light 1 zone	000-255 line dimming from dark to bright
51	Inner white light 2 zone	000-255 line dimming from dark to bright
52	Inner white light 3 zone	000-255 line dimming from dark to bright
53	Inner white light 4 zone	000-255 line dimming from dark to bright
54	Inner white light 5 zone	000-255 line dimming from dark to bright
55	Inner white light 6 zone	000-255 line dimming from dark to bright
56	Inner white light 7 zone	000-255 line dimming from dark to bright
57	Inner white light 8 zone	000-255 line dimming from dark to bright
58	Inner white light 9 zone	000-255 line dimming from dark to bright
59	Inner white light 10 zone	000-255 line dimming from dark to bright
60	Inner white light 11 zone	000-255 line dimming from dark to bright
61	Inner white light 12 zone	000-255 line dimming from dark to bright
62	Inner white light 13 zone	000-255 line dimming from dark to bright
63	Inner white light 14 zone	000-255 line dimming from dark to bright
64	Inner white light 15 zone	000-255 line dimming from dark to bright
65	Inner white light 16 zone	000-255 line dimming from dark to bright

113CH	function	details
1	Atomized glass(0%-100%)	000-255 Atomized glass(0%-100%)
2	outer Green 1 zones	000-255 line dimming from dark to bright
3	outer blue 1 zones	000-255 line dimming from dark to bright
4	Outer red 2 zones	000-255 line dimming from dark to bright
5	outer Green 2 zones	000-255 line dimming from dark to bright
6	outer blue 2 zones	000-255 line dimming from dark to bright
7	Outer red 3 zones	000-255 line dimming from dark to bright
8	outer Green 3 zones	000-255 line dimming from dark to bright
9	outer blue 3 zones	000-255 line dimming from dark to bright
10	Outer red 4 zones	000-255 line dimming from dark to bright
11	outer Green 4 zones	000-255 line dimming from dark to bright
12	outer blue 4 zones	000-255 line dimming from dark to bright

13	Outer red 5 zones	000-255 line dimming from dark to bright
14	outer Green 5 zones	000-255 line dimming from dark to bright
15	outer blue 5 zones	000-255 line dimming from dark to bright
16	Outer red 1 zones	000-255 line dimming from dark to bright
17	Outer red 6 zones	000-255 line dimming from dark to bright
18	outer Green 6 zones	000-255 line dimming from dark to bright
19	outer blue 6 zones	000-255 line dimming from dark to bright
20	Outer red 7 zones	000-255 line dimming from dark to bright
21	outer Green 7 zones	000-255 line dimming from dark to bright
22	outer blue 7 zones	000-255 line dimming from dark to bright
23	Outer red 8 zones	000-255 line dimming from dark to bright
24	outer Green 8 zones	000-255 line dimming from dark to bright
25	outer blue 8 zones	000-255 line dimming from dark to bright
26	Outer red 9 zones	000-255 line dimming from dark to bright
27	outer Green 9 zones	000-255 line dimming from dark to bright
28	outer blue 9 zones	000-255 line dimming from dark to bright
29	Outer red 10 zones	000-255 line dimming from dark to bright
30	outer Green 10 zones	000-255 line dimming from dark to bright
31	outer blue 10 zones	000-255 line dimming from dark to bright
32	Outer red 11 zones	000-255 line dimming from dark to bright
33	outer Green 11 zones	000-255 line dimming from dark to bright
34	outer blue 11 zones	000-255 line dimming from dark to bright
35	Outer red 12 zones	000-255 line dimming from dark to bright
36	outer Green 12 zones	000-255 line dimming from dark to bright
37	outer blue 12 zones	000-255 line dimming from dark to bright
38	Outer red 13 zones	000-255 line dimming from dark to bright
39	outer Green 13 zones	000-255 line dimming from dark to bright
40	outer blue 13 zones	000-255 line dimming from dark to bright
41	Outer red 14 zones	000-255 line dimming from dark to bright
42	outer Green 14 zones	000-255 line dimming from dark to bright
43	outer blue 14 zones	000-255 line dimming from dark to bright
44	Outer red 15 zones	000-255 line dimming from dark to bright
45	outer Green 15 zones	000-255 line dimming from dark to bright
46	outer blue 15 zones	000-255 line dimming from dark to bright
47	Outer red 16 zones	000-255 line dimming from dark to bright
48	outer Green 16 zones	000-255 line dimming from dark to bright
49	outer blue 16 zones	000-255 line dimming from dark to bright

50	Outer red 17 zones	000-255 line dimming from dark to bright
51	outer Green 17 zones	000-255 line dimming from dark to bright
52	outer blue 17 zones	000-255 line dimming from dark to bright
53	Outer red 18 zones	000-255 line dimming from dark to bright
54	outer Green 18 zones	000-255 line dimming from dark to bright
55	outer blue 18 zones	000-255 line dimming from dark to bright
56	Outer red 19 zones	000-255 line dimming from dark to bright
57	outer Green 19 zones	000-255 line dimming from dark to bright
58	outer blue 19 zones	000-255 line dimming from dark to bright
59	Outer red 20 zones	000-255 line dimming from dark to bright
60	outer Green 20 zones	000-255 line dimming from dark to bright
61	outer blue 20 zones	000-255 line dimming from dark to bright
62	Outer red 21 zones	000-255 line dimming from dark to bright
63	outer Green 21 zones	000-255 line dimming from dark to bright
64	outer blue 21 zones	000-255 line dimming from dark to bright
65	Outer red 22 zones	000-255 line dimming from dark to bright
66	outer Green 22 zones	000-255 line dimming from dark to bright
67	outer blue 22 zones	000-255 line dimming from dark to bright
68	Outer red 23 zones	000-255 line dimming from dark to bright
69	outer Green 23 zones	000-255 line dimming from dark to bright
70	outer blue 23 zones	000-255 line dimming from dark to bright
71	Outer red 24 zones	000-255 line dimming from dark to bright
72	outer Green 24 zones	000-255 line dimming from dark to bright
73	outer blue 24 zones	000-255 line dimming from dark to bright
74	Outer red 25 zones	000-255 line dimming from dark to bright
75	outer Green 25 zones	000-255 line dimming from dark to bright
76	outer blue 25 zones	000-255 line dimming from dark to bright
77	Outer red 26 zones	000-255 line dimming from dark to bright
78	outer Green 26 zones	000-255 line dimming from dark to bright
79	outer blue 26 zones	000-255 line dimming from dark to bright
80	Outer red 27 zones	000-255 line dimming from dark to bright
81	outer Green 27 zones	000-255 line dimming from dark to bright
82	outer blue 27 zones	000-255 line dimming from dark to bright
83	Outer red 28 zones	000-255 line dimming from dark to bright
84	outer Green 28 zones	000-255 line dimming from dark to bright
85	outer blue 28 zones	000-255 line dimming from dark to bright
86	Outer red 29 zones	000-255 line dimming from dark to bright
87	outer Green 29 zones	000-255 line dimming from dark to bright

88	outer blue 29 zones	000-255 line dimming from dark to bright
89	Outer red 30 zones	000-255 line dimming from dark to bright
90	outer Green 30 zones	000-255 line dimming from dark to bright
91	outer blue 30 zones	000-255 line dimming from dark to bright
92	Outer red 31 zones	000-255 line dimming from dark to bright
93	outer Green 31 zones	000-255 line dimming from dark to bright
94	outer blue 31 zones	000-255 line dimming from dark to bright
95	Outer red 32 zones	000-255 line dimming from dark to bright
96	outer Green 32 zones	000-255 line dimming from dark to bright
97	outer blue 32 zones	000-255 line dimming from dark to bright
98	Inner white light 1 zone	000-255 line dimming from dark to bright
99	Inner white light 2 zone	000-255 line dimming from dark to bright
100	Inner white light 3 zone	000-255 line dimming from dark to bright
101	Inner white light 4 zone	000-255 line dimming from dark to bright
102	Inner white light 5 zone	000-255 line dimming from dark to bright
103	Inner white light 6 zone	000-255 line dimming from dark to bright
104	Inner white light 7 zone	000-255 line dimming from dark to bright
105	Inner white light 8 zone	000-255 line dimming from dark to bright
106	Inner white light 9 zone	000-255 line dimming from dark to bright
107	Inner white light 10 zone	000-255 line dimming from dark to bright
108	Inner white light 11 zone	000-255 line dimming from dark to bright
109	Inner white light 12 zone	000-255 line dimming from dark to bright
110	Inner white light 13 zone	000-255 line dimming from dark to bright
111	Inner white light 14 zone	000-255 line dimming from dark to bright
112	Inner white light 15 zone	000-255 line dimming from dark to bright
113	Inner white light 16 zone	000-255 line dimming from dark to bright

128CH	function	details
1	Atomized glass(0%-100%)	000-255 Atomized glass(0%-100%)
2	Outer red 1 zones	000-255 line dimming from dark to bright
3	outer Green 1 zones	000-255 line dimming from dark to bright
4	outer blue 1 zones	000-255 line dimming from dark to bright
5	Outer red 2 zones	000-255 line dimming from dark to bright
6	outer Green 2 zones	000-255 line dimming from dark to bright
7	outer blue 2 zones	000-255 line dimming from dark to bright
8	Outer red 3 zones	000-255 line dimming from dark to bright
9	outer Green 3 zones	000-255 line dimming from dark to bright

10	outer blue 3 zones	000-255 line dimming from dark to bright
11	Outer red 4 zones	000-255 line dimming from dark to bright
12	outer Green 4 zones	000-255 line dimming from dark to bright
13	outer blue 4 zones	000-255 line dimming from dark to bright
14	Outer red 5 zones	000-255 line dimming from dark to bright
15	outer Green 5 zones	000-255 line dimming from dark to bright
16	outer blue 5 zones	000-255 line dimming from dark to bright
17	Outer red 6 zones	000-255 line dimming from dark to bright
18	outer Green 6 zones	000-255 line dimming from dark to bright
19	outer blue 6 zones	000-255 line dimming from dark to bright
20	Outer red 7 zones	000-255 line dimming from dark to bright
21	outer Green 7 zones	000-255 line dimming from dark to bright
22	outer blue 7 zones	000-255 line dimming from dark to bright
23	Outer red 8 zones	000-255 line dimming from dark to bright
24	outer Green 8 zones	000-255 line dimming from dark to bright
25	outer blue 8 zones	000-255 line dimming from dark to bright
26	Outer red 9 zones	000-255 line dimming from dark to bright
27	outer Green 9 zones	000-255 line dimming from dark to bright
28	outer blue 9 zones	000-255 line dimming from dark to bright
29	Outer red 10 zones	000-255 line dimming from dark to bright
30	outer Green 10 zones	000-255 line dimming from dark to bright
31	outer blue 10 zones	000-255 line dimming from dark to bright
32	Outer red 11 zones	000-255 line dimming from dark to bright
33	outer Green 11 zones	000-255 line dimming from dark to bright
34	outer blue 11 zones	000-255 line dimming from dark to bright
35	Outer red 12 zones	000-255 line dimming from dark to bright
36	outer Green 12 zones	000-255 line dimming from dark to bright
37	outer blue 12 zones	000-255 line dimming from dark to bright
38	Outer red 13 zones	000-255 line dimming from dark to bright
39	outer Green 13 zones	000-255 line dimming from dark to bright
40	outer blue 13 zones	000-255 line dimming from dark to bright
41	Outer red 14 zones	000-255 line dimming from dark to bright
42	outer Green 14 zones	000-255 line dimming from dark to bright
43	outer blue 14 zones	000-255 line dimming from dark to bright
44	Outer red 15 zones	000-255 line dimming from dark to bright
45	outer Green 15 zones	000-255 line dimming from dark to bright
46	outer blue 15 zones	000-255 line dimming from dark to bright
47	Outer red 16 zones	000-255 line dimming from dark to bright

48	outer Green 16 zones	000-255 line dimming from dark to bright
49	outer blue 16 zones	000-255 line dimming from dark to bright
50	Outer red 17 zones	000-255 line dimming from dark to bright
51	outer Green 17 zones	000-255 line dimming from dark to bright
52	outer blue 17 zones	000-255 line dimming from dark to bright
53	Outer red 18 zones	000-255 line dimming from dark to bright
54	outer Green 18 zones	000-255 line dimming from dark to bright
55	outer blue 18 zones	000-255 line dimming from dark to bright
56	Outer red 19 zones	000-255 line dimming from dark to bright
57	outer Green 19 zones	000-255 line dimming from dark to bright
58	outer blue 19 zones	000-255 line dimming from dark to bright
59	Outer red 20 zones	000-255 line dimming from dark to bright
60	outer Green 20 zones	000-255 line dimming from dark to bright
61	outer blue 20 zones	000-255 line dimming from dark to bright
62	Outer red 21 zones	000-255 line dimming from dark to bright
63	outer Green 21 zones	000-255 line dimming from dark to bright
64	outer blue 21 zones	000-255 line dimming from dark to bright
65	Outer red 22 zones	000-255 line dimming from dark to bright
66	outer Green 22 zones	000-255 line dimming from dark to bright
67	outer blue 22 zones	000-255 line dimming from dark to bright
68	Outer red 23 zones	000-255 line dimming from dark to bright
69	outer Green 23 zones	000-255 line dimming from dark to bright
70	outer blue 23 zones	000-255 line dimming from dark to bright
71	Outer red 24 zones	000-255 line dimming from dark to bright
72	outer Green 24 zones	000-255 line dimming from dark to bright
73	outer blue 24 zones	000-255 line dimming from dark to bright
74	Outer red 25 zones	000-255 line dimming from dark to bright
75	outer Green 25 zones	000-255 line dimming from dark to bright
76	outer blue 25 zones	000-255 line dimming from dark to bright
77	Outer red 26 zones	000-255 line dimming from dark to bright
78	outer Green 26 zones	000-255 line dimming from dark to bright
79	outer blue 26 zones	000-255 line dimming from dark to bright
80	Outer red 27 zones	000-255 line dimming from dark to bright
81	outer Green 27 zones	000-255 line dimming from dark to bright
82	outer blue 27 zones	000-255 line dimming from dark to bright
83	Outer red 28 zones	000-255 line dimming from dark to bright
84	outer Green 28 zones	000-255 line dimming from dark to bright

85	outer blue 28 zones	000-255 line dimming from dark to bright
86	Outer red 29 zones	000-255 line dimming from dark to bright
87	outer Green 29 zones	000-255 line dimming from dark to bright
88	outer blue 29 zones	000-255 line dimming from dark to bright
89	Outer red 30 zones	000-255 line dimming from dark to bright
90	outer Green 30 zones	000-255 line dimming from dark to bright
91	outer blue 30 zones	000-255 line dimming from dark to bright
92	Outer red 31 zones	000-255 line dimming from dark to bright
93	outer Green 31 zones	000-255 line dimming from dark to bright
94	outer blue 31 zones	000-255 line dimming from dark to bright
95	Outer red 32 zones	000-255 line dimming from dark to bright
96	outer Green 32 zones	000-255 line dimming from dark to bright
97	outer blue 32 zones	000-255 line dimming from dark to bright
98	Outer Color Macro Functiont	000-255 line dimming from dark to bright
99	Total dimming	000-255 line dimming from dark to bright
100	Dimming adjust	000-255 line dimming from dark to bright
101	Outer Stroboscopic effect	000-002 switch, 003-005 strobe, 006-050 sawtooth waveform up, 051-100 sawtooth waveform down, 101-150 slow light slow dark, 151-200 lightning, 201-255 random
102	Stroboscopic velocity	000-255 Stroboscopic speed from slow to fast
103	Stroboscopic duration	000-255 Stroboscopic duration. From slow to fast
104	RGB Outer program macro function	0-5 empty; Available color patterns: 6-185 Non-selectable color patterns: 186-255 (Poll the color of the LED beads) / Optional color patterns / / 105,2-4 channels need to be pushed up for assistance 6-9 Varieties 10-13 pattern 1, 14-17 pattern 2, 18-21 pattern 3, 22-25 pattern4, 26-29 pattern 5, 30-33 pattern 6, 34-37 pattern 7, 38-41 Pattern 8, 42-45, Pattern 9, 46-49, Pattern 10, 50-53 11, 54-57 patterns 12, 58-61 patterns 13, 62-65 patterns Pattern 14, 66-69, Pattern 15, 70-73, Pattern 16, 74-77, Pattern 17 Pattern 78-81 18, Pattern 82-85 19, Pattern 86-89 20, Pattern 90-93 Pattern 21, 94-97 pattern 22, 98-101 Pattern 23, 102-105 pattern Sample 24, 106-109 pattern 25, 110-113 pattern 26, 114-117 pattern Sample 27, 118-121, pattern 28, 122-125, pattern 29, 126-129 Sample 30, 130-133 pattern 31, 134-137 pattern 32, 138-141 pattern Sample 33, 142-145 pattern 34, 146-149

		<p>pattern 35 Pattern 150-153 36, pattern 154-157 37, pattern 158-161 38,162-165 patterns 39,166-169 patterns 40,170-173 patterns 41,174-177 pattern 42,178-181 pattern 43,182-185 pattern 44</p> <p>/ Non-selectable color patterns // 105 channels need to be pushed up for assistance</p> <p>186-189 gradient, 190-193 pulse change, 194-197 jump change, 198-201 color Color Pattern 1</p> <p>202-205 Color Pattern 2 206-209 Color Pattern 3 210-213 color pattern 4 214-217 Color pattern 5 218-221 color Pattern 6</p> <p>222-227 Voice Control mode 1</p> <p>228-233 Voice Control Mode 2</p> <p>Voice control mode: 234-239;</p> <p>Voice control mode: 240-245;</p> <p>Voice control mode: 246-255</p> <p>Pattern summary .</p>
105	Outer program macro function speed	000-255 Outer Layer Inner Color Macro Speed
106	Inner white light 1 zone	000-255 line dimming from dark to bright
107	Inner white light 2 zone	000-255 line dimming from dark to bright
108	Inner white light 3 zone	000-255 line dimming from dark to bright
109	Inner white light 4 zone	000-255 line dimming from dark to bright
110	Inner white light 5 zone	000-255 line dimming from dark to bright
111	Inner white light 6 zone	000-255 line dimming from dark to bright
112	Inner white light 7 zone	000-255 line dimming from dark to bright
113	Inner white light 8 zone	000-255 line dimming from dark to bright
114	Inner white light 9 zone	000-255 line dimming from dark to bright
115	Inner white light 10 zone	000-255 line dimming from dark to bright
116	Inner white light 11 zone	000-255 line dimming from dark to bright
117	Inner white light 12 zone	000-255 line dimming from dark to bright
118	Inner white light 13 zone	000-255 line dimming from dark to bright
119	Inner white light 14 zone	000-255 line dimming from dark to bright
120	Inner white light 15 zone	000-255 line dimming from dark to bright
121	Inner white light 16 zone	000-255 line dimming from dark to bright
122	Inner dimming	000-255 line dimming from dark to bright
123	Inner dimming fine tuning	000-255 line dimming from dark to bright
124	Inner stroboscopic effect	000-002 switch, 003-005 strobe, 006-050 sawtooth waveform up, 051-100 sawtooth waveform down, 101-150 slow light slow dark, 151-200 lightning, 201-255 random
125	Inner strobe velocity	000-255 Inner strobe velocity from slow to fast
126 duration	Stroboscopic	000-255 Stroboscopic duration. From slow to fast

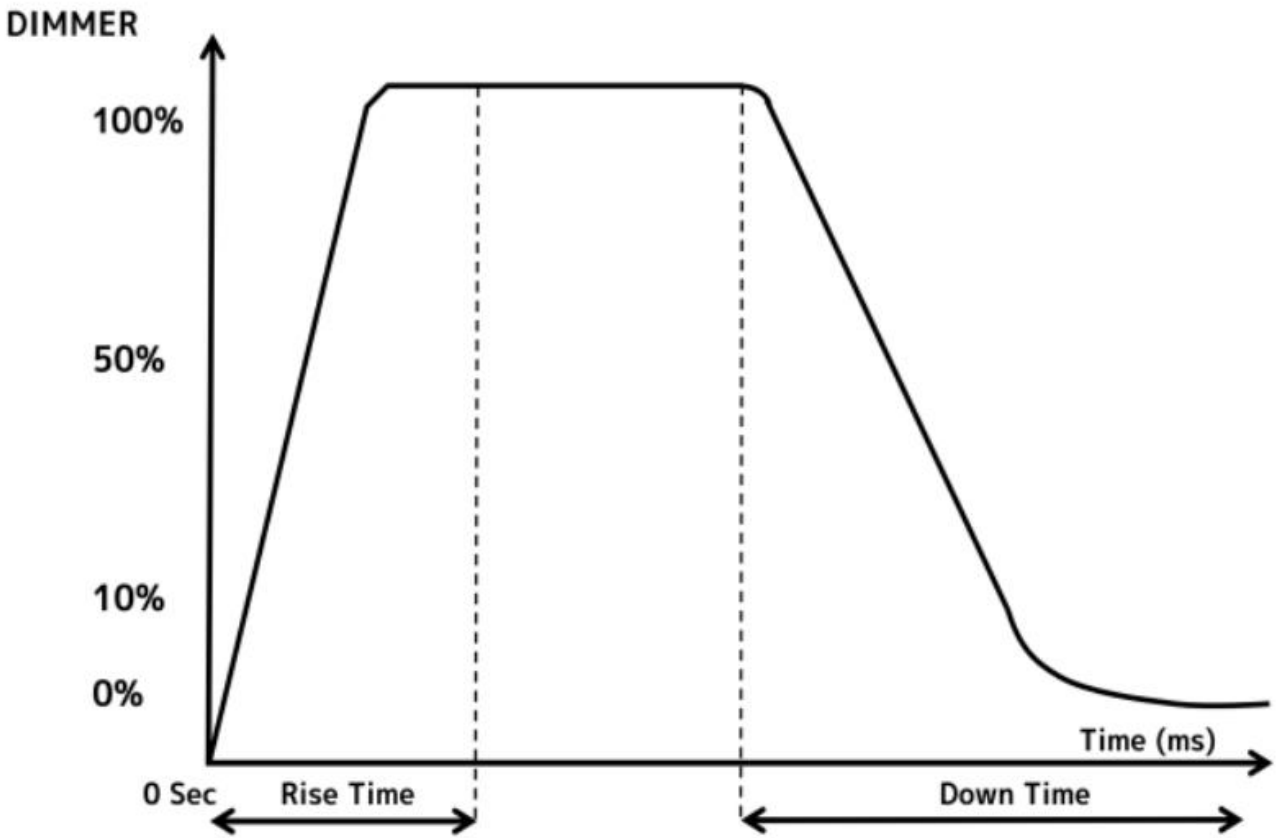
127	W Inner program macro function	0-5 empty; Selectable color patterns: 6-222; Non-selectable color patterns 223-255/ Optional color patterns / / 128,106 channels need to be pushed up for assistance 6-12 Patterns 13-19 patterns 1, 20-26 patterns 2, 27-33 patterns Pattern 3, 34-40 pattern 4, 41-47 pattern 5, 48-54 pattern 6, 55-61 Pattern 7, 62-68 pattern 8, 69-75 Pattern 9, 76-82 pattern 10, 83-89 patterns 11, 90-96 patterns 12, 97-103 patterns 13, 104-110 patterns 14, 111-117 patterns 15, 118-124 patterns 16, 125-131 patterns 17, 132-138 patterns 18, 139-145 patterns 19, 146-152 patterns Sample 20, 153-159 pattern 21, 160-166 pattern 22, 167-173 Pattern 23, 174-180 pattern 24, 181-187 pattern 25, 188-194 patterns 26, 195-201 patterns 27, 202-208 patterns Sample 28, 209-215 patterns 29, 216-222 Pattern 30 / No color or pattern selection Channel / 128 channels need to be pushed up for assistance 223-229 pulse variation, 230-236 jump variation, 237-240 voice control mode 1 241-244 voice control mode 2, 245-248 voice control mode 3, 249-252 voice Summary of voice control modes 4, 253-255
128	inner program macro function speed	000-255 Outer Layer Inner Color Macro Speed from slow to fast

RGB Color selection Comparison Table

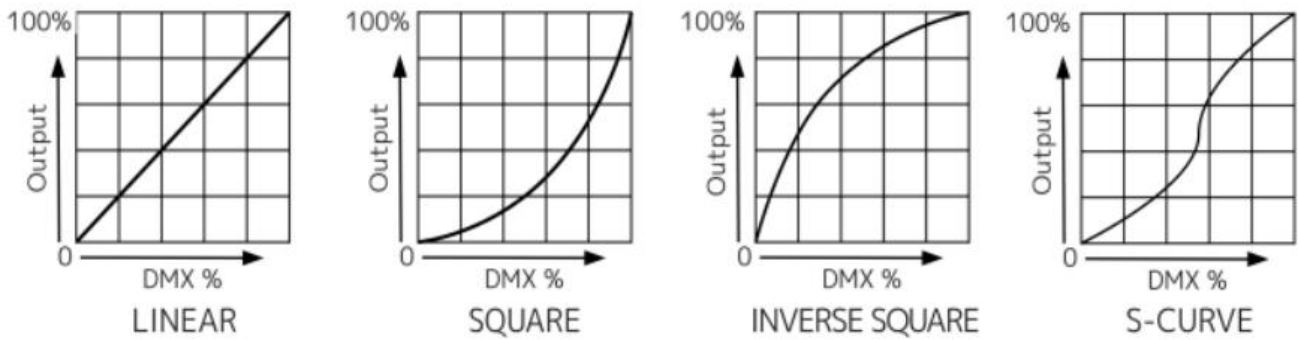
Color Num	CH value	R	G	B
1	010-017	255	0	0
2	018-024	255	0	0
3	025-032	255	50	0
4	033-039	255	100	0
5	040-047	255	150	0
6	048-054	255	200	0
7	055-061	200	255	0
8	062-069	150	255	0
9	070-076	100	255	0
10	077-084	50	255	0

11	085-091	0	255	0
12	092-099	0	255	50
13	100-106	0	255	100
14	107-113	0	255	150
15	114-121	0	255	200
16	122-128	0	255	255
17	129-136	0	200	255
18	137-143	0	150	255
19	144-151	0	100	255
20	152-158	0	50	255
21	159-165	0	0	255
22	166-173	50	0	255
23	174-180	100	0	255
24	181-188	150	0	255
25	189-195	200	0	255
26	196-203	255	0	255
27	204-210	255	0	200
28	211-217	255	0	150
29	218-225	255	0	100
30	226-232	255	0	50
31	233-240	255	0	0
32	241-247	255	0	255
33	248-255	255	255	255

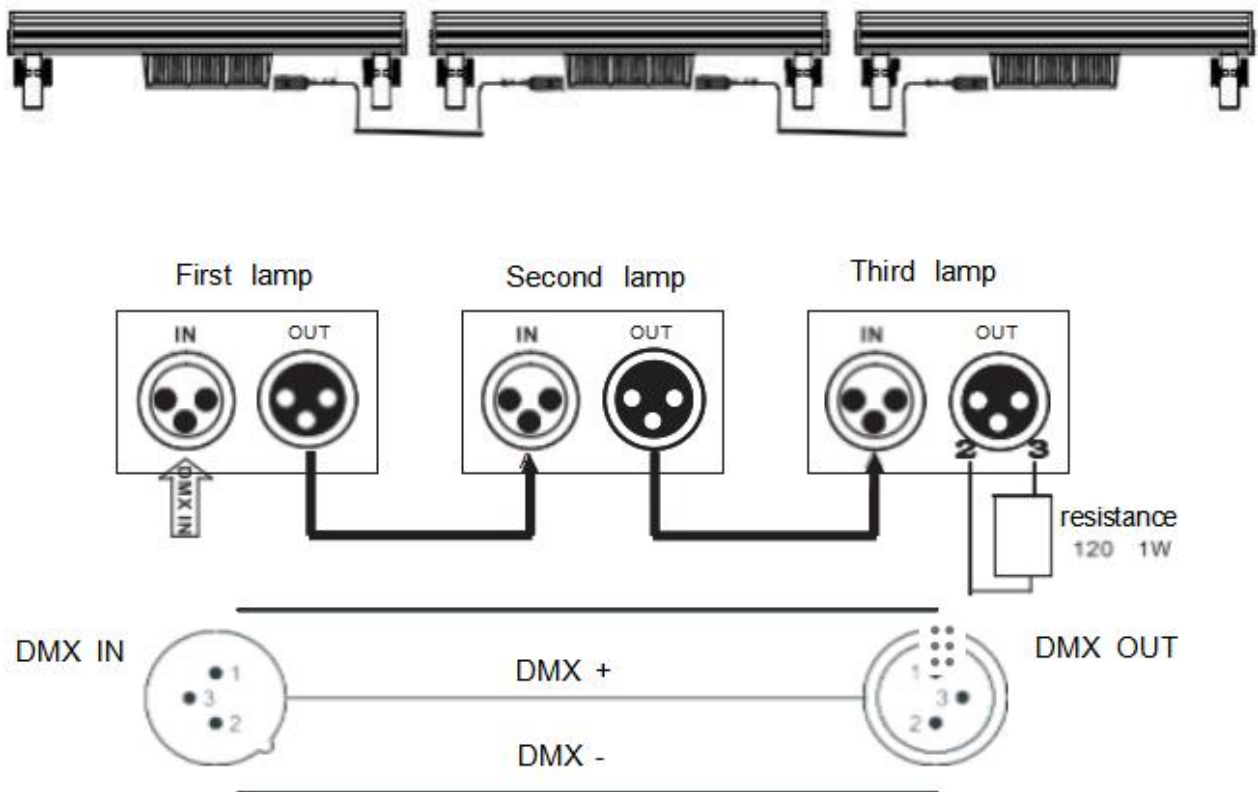
DIMMER MODES AND CURVES



	0 sec Fade Time		1 sec Fade Time	
	Rise Time (ms)	Down Time (ms)	Rise Time (ms)	Down Time (ms)
Dimming Curve				
Ramp Effect				
Standard (default)	0	0	0	0
Stage	780	1100	1540	1660
TV	1180	1520	1860	1940
Architectural	1380	1730	2040	2120
Theatre	1580	1940	2230	2280
Stage 2	0	1100	0	1660



DMX512 Connection



In order to reduce the signal error and avoid signal transmission problems or signal interference, a 120ohm 1/4W resistor can be added between the pin2 and pin3 of DMX connection of the last lighting.



1. Connect the lighting with the XLR signal line, one end receives the outlet of the light, and the other end receives the input port of the next light. XLR signal lines can only be used in series, not in parallel. DMX512 signal transmission is very fast. The signal line is damaged, the welding place is not secure, the contact is not good, it will affect the signal transmission, causing the system to close.
2. When a unit of power supply circuit, DMX output and input is by-pass connection, so that can continue to maintain the DMX line connected.
3. On the last light, the DMX wire needs an amplifier. Welding a 120 - ohm quarter w resistor between pin2 and responsible, within XLR plugs into 3 - pin and insert it in the end of a light DMX.

4. Each light, want to have an address to receive information from the console, range between 0-512 (usually 0 and 1 and 1 equal).
5. The 3-core XLR connector is more common than the 5-core XLR.
3 core XLR: PIN 1: GND, PIN 2: negative signal, PIN 3: positive signal.
5 core XLR: PIN 1: GND, PIN 2: negative signal, PIN 3: positive signal, Pin4/5:unused.

Fault Handling

Here are some of the problems that are common in working and some Suggestions for breaking down:

A. Lighting does not work, no lights.

1. Check the power contact condition and whether the fuse is in good condition.
2. Detect the voltage.

B. Out of Control by DMX

1. The DMX indicator must be on. If not, check the DMX signal connector and signal line to see if the connection is correct.
2. If the DMX indicator is on, but there is no response to channel control, and check the address code is set correctly.
3. If the DMX signal transmission is intermittent, to check if the Canon is in good connection with the signal line.
4. Try it again with another controller.
5. Check whether the DMX signal line is too close to the high voltage line, which can damage or interfere with the signal circuit.

C. Out of control by Sound

1. Make sure the light does not receive DMX signal.
2. Check if the microphone for damage.

D. One certain channel does not work

1. The drive line may be damaged or loose.
2. The drive circuit may be damaged.

Cleaning and maintenance

Lightings must be cleaned regularly so that the lighting effect is better. The cleaning frequency depends on the environment. Wet, smoggy, dirtier environments tend to dust the lenses.

- . Use a soft linen and a special glass cleaner;
- . Carefully wipe the cadres.
- . Clean the exterior of the light once every 20 days at least once every 30 days or 60 days.

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.