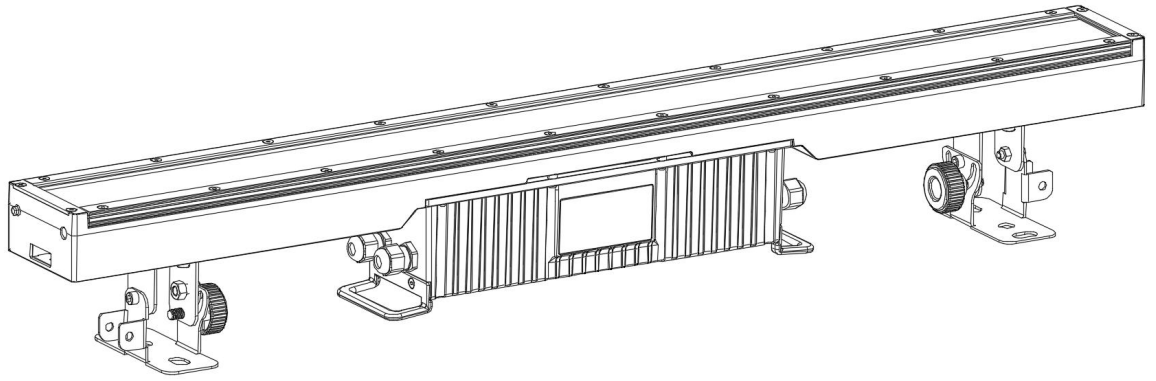


# V6M



## 1.Safety Instructions

Please read the instruction carefully which includes important information about the installation, usage and maintenance.

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

Important:

Damages caused by the disregard of this user manual are not subject to warranty. The dealer will not accept liability for any resulting defects or problems.

- . Unpack and check carefully to ensure that there is no transportation damage before using the unit.
- . This product is suitable for wet locations. Do not immerse in water.
- . DO install and operate by qualified operator.
- . DO NOT allow children to operate the fixture.
- . Use safety chain when fixing the unit. Handle the unit by carrying its base instead of head only.
- . The unit must be installed in a location with adequate ventilation, at least 50cm from adjacent surfaces.

Be sure that no ventilation slots is blocked, otherwise the unit will be overheated.

Before operation, ensure that you are connecting this product to the proper voltage in accordance with the specifications in this manual or on the product's specification label.

It's important to ground the yellow/green conductor to earth in order to avoid electric shock.

Minimum ambient temperature TA: 0°C. Maximum ambient temperature TA: 40°C.

Do not operate this product at a lower or higher temperature.

DO NOT connect the device to any dimmer pack.

Keep flammable materials away from the fixture while operating to avoid fire hazard.

Make sure the power cord is not crimped or damaged; replace it immediately if damaged.

Unit's surface temperature may reach up to 65 °C .

DO NOT touch the housing bare-handed during its operation.

Avoid any flammable liquids, water or metal from entering the unit. Once it happens, cutoff the mains power immediately.

DO NOT operate in a dirty or dusty environment. DO clean the fixture regularly

DO NOT touch any wire during operation as there might be a hazard of electric shock. Avoid entanglement of the power cord with other wires.

The minimum distance to objects/surface must be more than 0.5 meters.

In the event of serious operating problem, stop using the unit immediately.  
Never turn on and off the unit time after time.  
The housing, the lenses, or the ultraviolet filter must be replaced if they are visibly damaged.  
DO NOT open the housing as there are no user serviceable parts inside.  
DO NOT attempt to operate this unit if it becomes damaged.  
DO NOT attempt any repairs yourself. Repairs carried out by unskilled people can lead to damage or malfunction.  
Please contact the nearest authorized technical assistance center if needed.  
Disconnect this product from its power source before servicing.  
DO use the original packaging if the device is to be transported.  
Avoid direct eye exposure to the light source while the product is on.  
DO NOT operate this product if you see damage on the housing, shields, or cables. Have the damaged parts replaced by an authorized technician at once.

## **2.INSTALLATIONS**

installations Note: In order to increase protection, please install the lamp on the sidewalk, outside the seating area, or an area where unauthorized persons may touch the lamp

Before installing the fixture on any surface, make sure that the installation area can bear the minimum point load above 10 points of the weight of the equipment. The installation of the fixing device must always be fixed with auxiliary safety accessories (such as a suitable safety rope)

Do not stand directly under the equipment when installing, removing, or servicing fixtures

Ensure that this fixture is kept at least 0.5m (1.5 feet) away from any flammable materials (decorations, etc.)

Be sure to use and install the supplied safety rope to ensure safety and prevent accidental damage and/or injury in case the fixture is damaged

Installation point: Overhead installation requires a wealth of experience, including calculation of working load limits, in-depth understanding of the installation materials used, and regular safety inspections of all installation materials and fixtures. If you do not have these qualifications, please do not try to install it yourself. Improper installation can cause personal injury

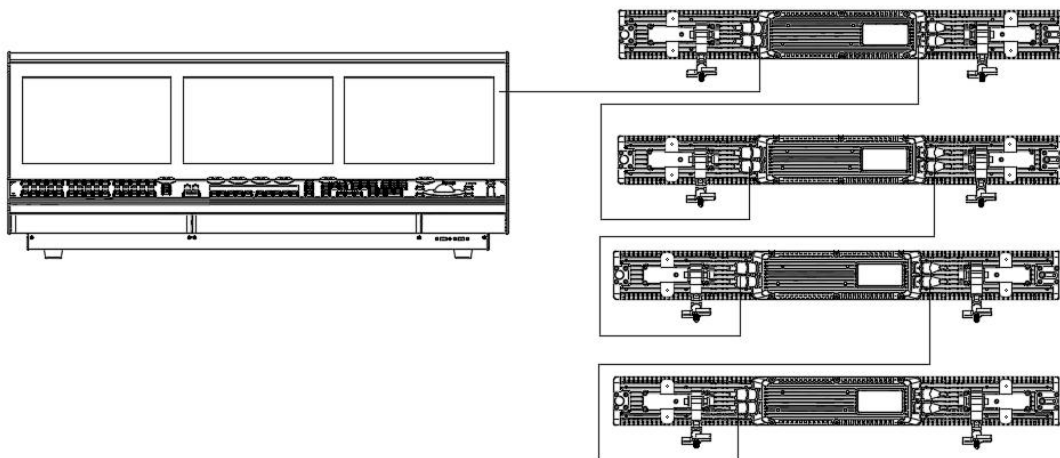
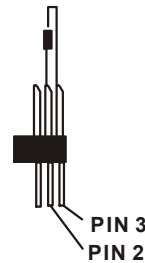
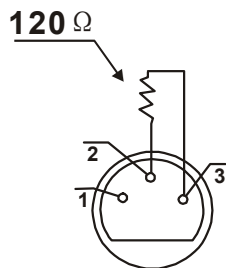
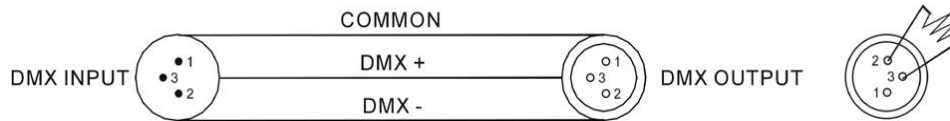
Before connecting the main power cord to an appropriate wall outlet, make sure to complete all assembly and installation procedures

## **3. DMX-512 control connections**

Connect the provided XLR cable to the female 3-pin XLR output of your controller and the other side to the male 3-pin XLR input of the moving head. You can chain multiple

Moving heads be connected together through serial linking. The cable needed

should be two core, screened cable with XLR input and output connectors. For installations where the DMX cable has to run a long distance or is in an electrically noisy environment, such as in a discotheque, it is recommended to use a DMX terminator. This helps in preventing corruption of the digital control signal by electrical noise. The DMX terminator is simply an XLR plug with a 120  $\Omega$  resistor connected between pins 2 and 3, which is then plugged into the output XLR socket of the last fixture in the chain. Please see illustrations below



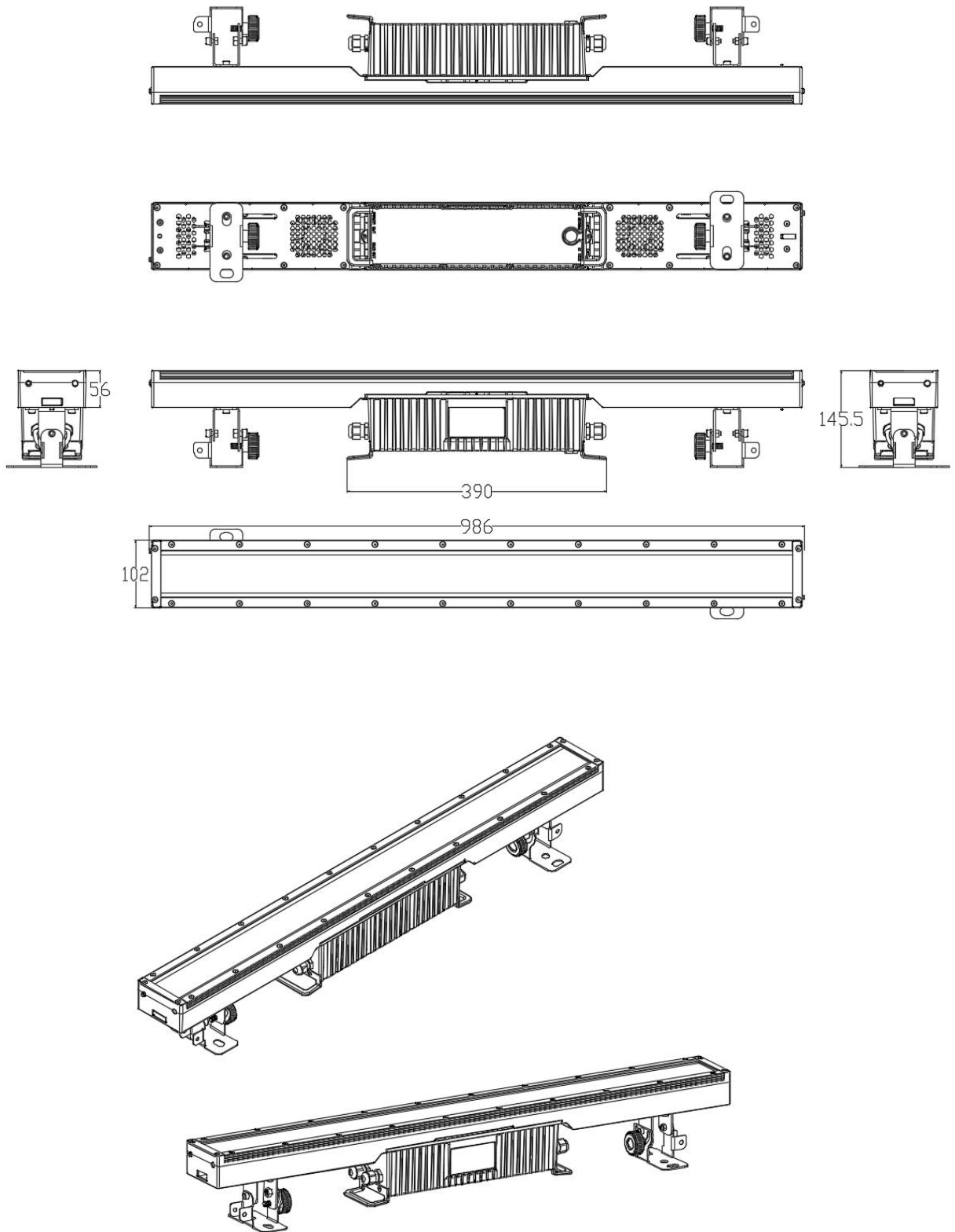
## 4.Address code setting

If you use a universal DMX controller to control the units, you have to set DMX address from 1 to 512 so that the units can receive DMX signal.

Press the MENU button to enter menu mode, select DMX Settings, press the ENTER button to confirm, use the UP/DOWN button to select DMX Address, press the ENTER button to confirm, the present address will blink in the display, use the UP/DOWN button to adjust the address from 001 to 512, press the ENTER button to store. Press the MENU button back to the last menu or let the unit idle 30 seconds to exit menu mode. Please refer to the following diagram to address your DMX512 channel for the first 4 units.

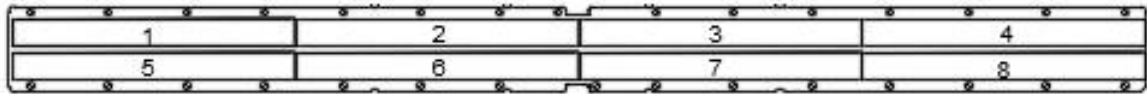
<b>Channel MODE</b>	<b>UNIT1 ADDRESS</b>	<b>UNIT2 ADDRESS</b>	<b>UNIT3 ADDRESS</b>	<b>UNIT4 ADDRESS</b>
<b>7CH</b>	<b>1</b>	<b>8</b>	<b>15</b>	<b>22</b>
<b>15CH</b>	<b>1</b>	<b>16</b>	<b>31</b>	<b>46</b>
<b>17CH</b>	<b>1</b>	<b>18</b>	<b>35</b>	<b>52</b>
<b>21CH</b>	<b>1</b>	<b>22</b>	<b>43</b>	<b>64</b>
<b>33CH</b>	<b>1</b>	<b>34</b>	<b>77</b>	<b>110</b>
<b>39CH</b>	<b>1</b>	<b>40</b>	<b>79</b>	<b>118</b>
<b>65CH</b>	<b>1</b>	<b>66</b>	<b>131</b>	<b>196</b>
<b>68CH</b>	<b>1</b>	<b>69</b>	<b>137</b>	<b>205</b>
<b>70CH</b>	<b>1</b>	<b>71</b>	<b>211</b>	<b>281</b>
<b>112CH</b>	<b>1</b>	<b>113</b>	<b>225</b>	<b>337</b>
<b>117CH</b>	<b>1</b>	<b>118</b>	<b>235</b>	<b>352</b>

## 5. Fixture size

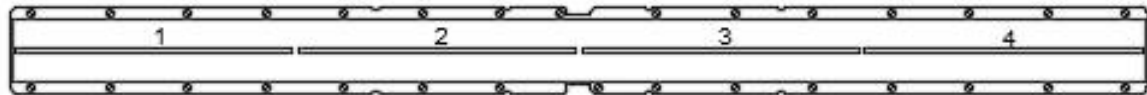


## 6.LED PIXEL ZONES

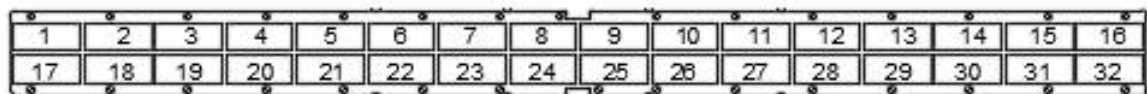
39CH RGB



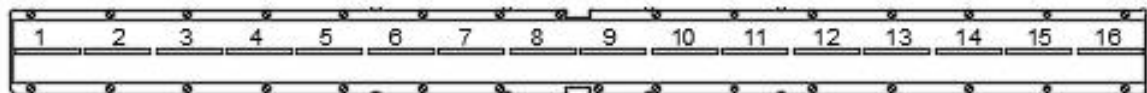
39CH W



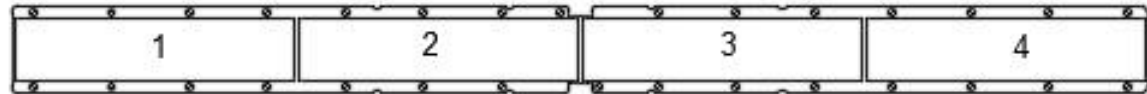
112/117CH RGB



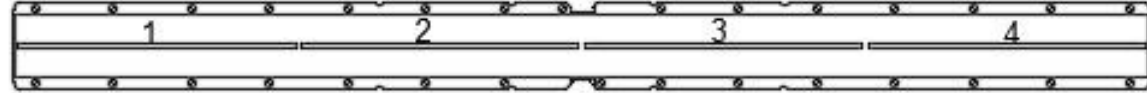
112/117CH W



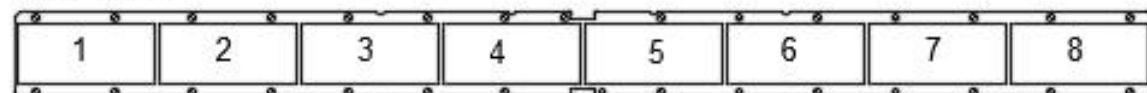
17CH RGB



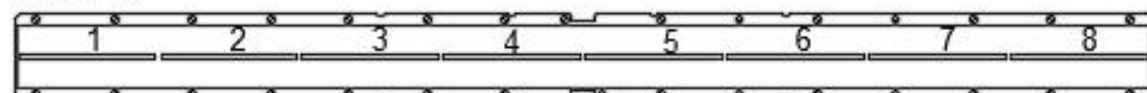
17CH W



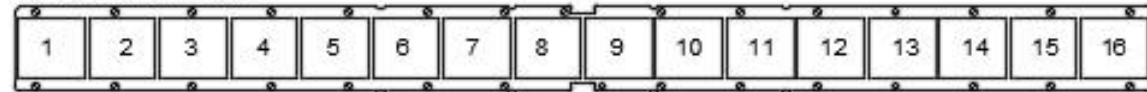
33CH RGB



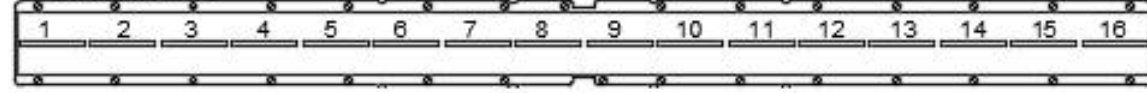
33CH W



65/68/70CH RGB



65/68/70CH W



## 7. LED technical parameters

Input Voltage: 100-240V, 50/60Hz

Power consumption: 400W

Power supply: 600W

RGB power: 300W

W power: 260W

Light source: 672pcs 0.5W 5050 RGB LED

112pcs 3W 3535 White LED

Color temperature: W:7000-7500K

White: 16pcs White LED zones can be controlled individually

RGB: 32pcs RGB LED zones can be controlled individually

DMX Channel:15/07/17/21/33/39/65/68/70/85/112/117CH

Operate mode: DMX512, Auto,Master/slave, sound active/RDM

Dimmer: 0-100% smooth dimming

Strobe:1-25Hz High output strobe effect

Excellent color mixing effect

Display: OLED display

Built in splicing pins for quick machine splicing

Signal input/output:3pin waterproof XLR socket (optional with 5pin)

Power socket: waterproof power connector input/output

Protection Rating: IP65

## feature

The lighting fixture includes two zone controls, Zone 1: using 672 0.5W RGB LEDs, 32 zones can be individually controlled, and each block contains 21 RGB LED beads. Zone 2: Using 112 3W W LED lights, 16 zones can be individually controlled, and each block contains 7 W LEDs. The excellent and powerful strobe function can create a colorful and vibrant strobe rendering effect, and when the main LED and auxiliary LED work together, they do not affect each other. Equipped with built-in splicing pins, it can achieve quick splicing and alignment, exciting multi area macro tracking, quickly create various dynamic colors and flicker effects, strong flickering colors covering vast areas and other powerful functions, greatly meeting user needs



## 8.Display Panel Menu Definition



Menu key: Enter/return to the main menu

Up: Menu function up selection/parameter increment

Down: Menu function down selection/parameter decrease

Confirm key: Select the menu function and make a confirmation and save when modifying the menu function parameters.

### 8.1MENU

Main Menu	Sub menu	explain
System settings	DMX address	Modify the DMX address code up or down
Operation mode	Operation mode	Select the operating mode up or down, such as DMA/voice control/automatic/voice control
	Channel selection	Select channels 15/07/17/21/33/39/65/68/70/85/112/117CH
Manual control	Dimmer	Modify parameter values up or down
	RGB dimmer	Modify parameter values up or down
	red	Modify parameter values up or down
	green	Modify parameter values up or down
	blue	Modify parameter values up or down
	RGB effect	Modify parameter values up or down
	RGB speed	Modify parameter values up or down
	W strobe	Modify parameter values up or down
	white	Modify parameter values up or down
	W effect	Modify parameter values up or down
	W speed	Modify parameter values up or down
	RGBW strobe	Modify parameter values up or down
RGBW effect	Modify parameter values up or down	

	RGBW speed	Modify parameter values up or down	
	Back color	Modify parameter values up or down	
	Back dimmer	Modify parameter values up or down	
	frost	Modify parameter values up or down	
Display Settings	Language selection	Select Chinese/EN up or down	
	Inverted Display Settings	Select up or down to turn off/on the inverted display setting	
	Screen saver	Select up or down to turn off/on screen saver	
	Software version	G45A program identification code, cannot be modified	
Factory settings	Require password input	LED	LED sequence selection
		Red	Modify parameters up or down
		Green	Modify parameters up or down
		Blue	Modify the red current up or down
		White	Modify green current up or down
		Logo	Select 000/001 up or down
		Temperature	Select 000-070 up or down

## 9.DMX512

### 7CH

CH	channel value	basic function
1	000-255	R
2	000-255	G
3	000-255	B
4	000-255	W
5	000-255	Dimmer
6	000-255	Dimmer fine
7	000-255	Frost

### 15CH

CH	channel value	basic function
1	000-255	R
2	000-255	G
3	000-255	B
4	000-255	W
5	000-255	Color macro
6	000-255	Dimmer
7	000-255	Dimmer fine
8	000-255	Strobe duration
9	000-255	Strobe rate
10	000-255	Strobe
11	000-255	RGB Effect
12	000-255	W Effect
13	000-255	RGB/W Effect speed
14	000-255	Fade out effect
15	000-255	Frost

### 17CH

CH	channel value	basic function
1	000-255	R1
2	000-255	G1
3	000-255	B1
4	000-255	R2

5	000-255	G2
6	000-255	B2
7	000-255	R3
8	000-255	G3
9	000-255	B3
10	000-255	R4
11	000-255	G4
12	000-255	B4
13	000-255	W1
14	000-255	W2
15	000-255	W3
16	000-255	W4
17	000-255	Frost

## 21CH

CH	channel value	basic function
1	000-255	R
2	000-255	G
3	000-255	B
4	000-255	Color macro
5	000-255	RGB dimmer
6	000-255	RGB dimmer fine
7	000-255	RGB Strobe duration
8	000-255	RGB Strobe rate
9	000-255	RGB strobe
10	000-255	RGB Effect
11	000-255	RGB Effect speed
12	000-255	RGB Fade out
13	000-255	W Dimmer
14	000-255	W Dimmer fine
15	000-255	W Strobe duration
16	000-255	W Strobe rate
17	000-255	W Strobe
18	000-255	W Effect
19	000-255	W Effect speed
20	000-255	W Fade out
21	000-255	Frost

### 33CH

<b>CH</b>	<b>channel value</b>	<b>basic function</b>
1	000-255	R1
2	000-255	G1
3	000-255	B1
4	000-255	R2
5	000-255	G2
6	000-255	B2
7	000-255	R3
8	000-255	G3
9	000-255	B3
10	000-255	R4
11	000-255	G4
12	000-255	B4
13	000-255	R5
14	000-255	G5
15	000-255	B5
16	000-255	R6
17	000-255	G6
18	000-255	B6
19	000-255	R7
20	000-255	G7
21	000-255	B7
22	000-255	R8
23	000-255	G8
24	000-255	B8
25	000-255	W 1
26	000-255	W 2
27	000-255	W 3
28	000-255	W 4
29	000-255	W 5
30	000-255	W 6
31	000-255	W 7
32	000-255	W 8
33	000-255	Frost

## 39CH

<b>CH</b>	<b>channel value</b>	<b>basic function</b>
1	000-255	R1
2	000-255	G1
3	000-255	B1
4	000-255	R2
5	000-255	G2
6	000-255	B2
...	000-255	...
...	000-255	...
...	000-255	...
19	000-255	R7
20	000-255	G7
21	000-255	B7
22	000-255	R8
23	000-255	G8
24	000-255	B8
25	000-255	RGB dimmer
26	000-255	RGB dimmer fine
27	000-255	RGB Strobe duration
28	000-255	RGB Strobe rate
29	000-255	RGB strobe
30	000-255	W 1
31	000-255	W 2
32	000-255	W 3
33	000-255	W 4
34	000-255	W Dimmer
35	000-255	W Dimmer fine
36	000-255	W Strobe duration
37	000-255	W Strobe rate
38	000-255	W Strobe
39	000-255	Frost

## 65CH

CH	channel value	basic function
1	000-255	R1
2	000-255	G1
3	000-255	B1
4	000-255	R2
5	000-255	G2
6	000-255	B2
...	000-255	...
...	000-255	...
...	000-255	....
46	000-255	R16
47	000-255	G16
48	000-255	B16
49	000-255	W1
50	000-255	W2
...	000-255	...
...	000-255	...
...	000-255	...
63	000-255	W15
64	000-255	W16
65	000-255	Frost

## 68CH

CH	channel value	basic function
1	000-255	Dimmer
2	000-255	RGB Strobe
3	000-255	W Strobe
4	000-255	Frost
5	000-255	R1
6	000-255	G1
7	000-255	B1
...	000-255	...
...	000-255	...
...	000-255	...
47	000-255	R15
48	000-255	G15
49	000-255	B15
50	000-255	R16

51	000-255	G16
52	000-255	B16
53	000-255	W1
54	000-255	W2
55	000-255	W3
...	000-255	...
...	000-255	...
...	000-255	...
66	000-255	W14
67	000-255	W15
68	000-255	W16

## 70CCH

CH	channel value	basic function
1	000-255	Dimmer
2	000-255	RGB Strobe
3	000-255	W Strobe
4	000-255	Frost
5	000-255	R1
6	000-255	G1
7	000-255	B1
8	000-255	R2
9	000-255	G2
10	000-255	B2
...	000-255	...
...	000-255	...
...	000-255	...
50	000-255	R16
51	000-255	G16
52	000-255	B16
53	000-255	W1
54	000-255	W2
...	000-255	...
67	000-255	W15
68	000-255	W16
69	000-255	RGB Fade out
70	000-255	W Fade out



## 112CH

CH	channel value	basic function
1	000-255	R1
2	000-255	G1
3	000-255	B1
4	000-255	R2
5	000-255	G2
6	000-255	B2
...	000-255	...
...	000-255	...
9	000-255	...
91	000-255	R31
92	000-255	G31
93	000-255	B31
94	000-255	R32
95	000-255	G32
96	000-255	B32
97	000-255	W1
98	000-255	W2
...	000-255	...
...	000-255	...
111	000-255	W15
112	000-255	W16

## 117CH

CH	channel value	basic function
1	000-255	Dimmer
2	000-255	Strobe duration
3	000-255	Strobe rate
4	000-255	Strobe
5	000-255	Frost
6	000-255	R1
7	000-255	G1
8	000-255	B1
9	000-255	R2
10	000-255	G2
11	000-255	B2
...	000-255	...
...	000-255	...

...	000-255	...
99	000-255	R32
100	000-255	G32
101	000-255	B32
102	000-255	W1
103	000-255	W2
...	000-255	...
...	000-255	...
116	000-255	W15
117	000-255	W16

## 10. Troubleshooting

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

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

Check the connected power.

Measure the voltage.

Check the power indicator to see whether it can be lit up or not.

B. Not responding to the DMX controller

Check whether the DMX connectors and the DMX cables are connected correctly.

Check whether the DMX address is correctly set.

If the intermittent DMX signal problem occurs, check whether the XLR socket and the signal cable are well connected.

Try it with another DMX controller.

Check whether the DMX cables run near or alongside to the high-voltage cables, which may damage or interfere with the signal circuit.

## 11. Fixture Cleaning

It is absolutely essential that the fixture is kept clean to ensure the maximum light-output

and allow the fixture to function reliably throughout its life. The fixture must be cleaned

regularly to avoid dust, dirt and smoke-fluid residues building up on or within the fixture. The

cleaning frequency depends on the application environment. Clean the fixture immediately if

the dust enters it to avoid damage to the optical lens due to excessive dust.

A soft lint-free cloth moistened with any good glass cleaning fluid is recommended, under no circumstances should solvents be used.

Always dry the parts carefully.

Clean the external optical lens at least every 20 days.