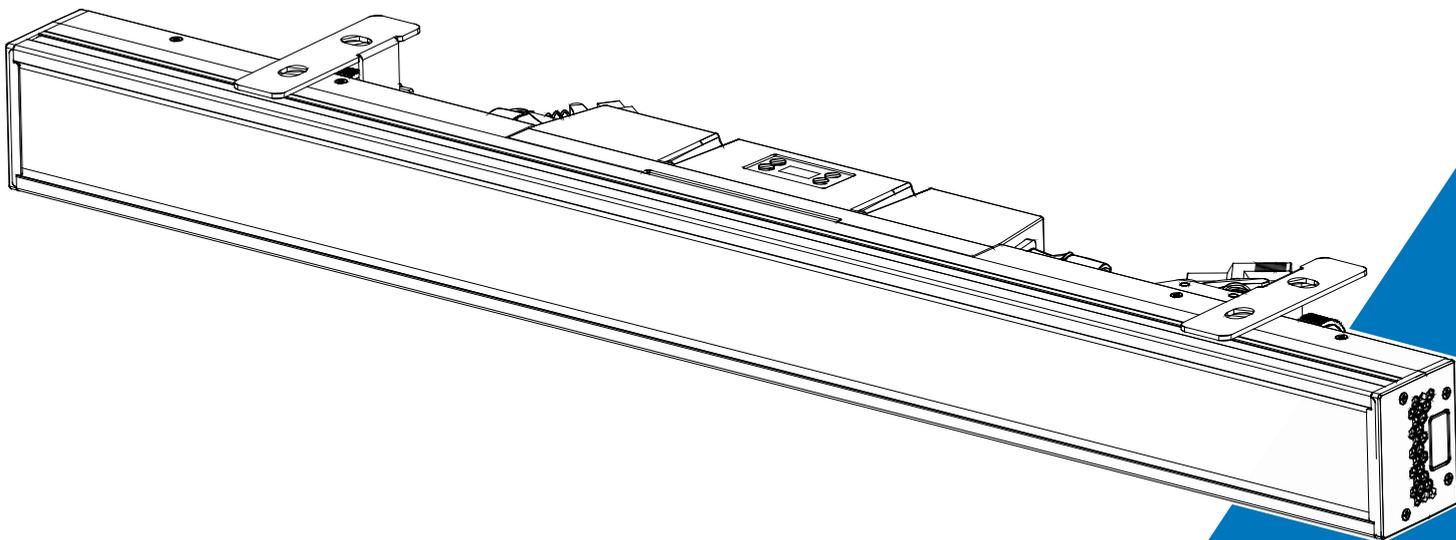


# Acme®

## PIXEL LINE IP



### User Manual

Please read the instruction carefully before use

## CONTENTS

1. Safety Instructions .....	2
2. Technical Specifications.....	4
3. Control Panel .....	5
4. Installation and splicingns.....	6
4.1 Installation instructions .....	6
5. How To Set The Unit.....	8
5.1 Main Function .....	8
6. Control By Universal DMX Controller.....	16
6.1 DMX512 Connection .....	16
6.2 Address Setting .....	17
6.3 DMX512 Configuration.....	17
7. Error Information .....	33
8. Troubleshooting .....	33
9. Fixture Cleaning .....	34

## 1. Safety Instructions



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

### WARNING

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 that there is no transportation damage before using the unit.
- The equipment is suitable for wet/indoor use.
- 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 are blocked, otherwise the unit will be overheated.
- 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.
- Minimum ambient temperature TA: 0°C. Maximum ambient temperature TA: 40°C.
- DO NOT connect the device to any dimmer pack.
- Make sure there are no flammable materials close to the unit while operating to avoid fire hazard.
- Examine the power wires carefully; replace them immediately if there is any damage.
- Unit's surface temperature may reach up to 65°C. DO NOT touch the housing bare-handed during its operation.
- Avoid any inflammable liquids, water or metal objects entering the unit. Once it happens, cut off the mains power immediately.
- DO NOT operate in dirty or dusty environment, do clean fixtures regularly.

- DO NOT touch any wire during operation as there might be a hazard of electric shock.
- Avoid power wires together twist other cables.
- The minimum distance between light output and the illuminated 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 unit as there are no user serviceable parts inside.
- 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 if needed.
- Disconnect the mains power if the fixture is has not been used for a long time.
- DO use the original packing materials before transporting it again.
- DO NOT look directly at the light while the bulb is on.
- DO NOT start on the unit without bulb enclosure or when housing is damaged.

## 2. Technical Specifications

### Power Voltage:

100-240V~ 50/60Hz

### Power Consumption:

420W

### Light Source:

Colored Light: 672\*0.5W RGB

White Light: 112\*3W CW

### Beam Angle:

RGB Beam Angle: 101°

CW Beam Angle: 108°

### Field Angle:

RGB Field Angle: 149°

CW Field Angle: 152°

### Dimmer/Shutter:

Smooth dimming from 0-100%; outstanding strobe effect with variable speed

### Control:

DMX Channel: 7CH/15CH/21CH/39CH/112CH/17CH/33CH/65CH/68CH/117CH

Channels Protocols: DMX512, RDM, Art-Net, sACN

Firmware Upgrade: Upgrade via DMX link

### Construction:

Display: OLED display

Data In/Out: Waterproof 3/5-pin XLR and RJ45 Connector

Power In/Out: Waterproof Power Connector In

Protection Rating: IP66

### Features:

32 x RGB led zones can be controlled individually

16 x CW led zones can be controlled individually

Smooth dimming from 0-100%

Built-in splicing plug for quick alignment

2 Lamp holder fixed folding lamp Hook, various installation options

Outstanding color mixing effect

High output strobe effect

Multiple units can be split-jointed with tool-free junction buckle design

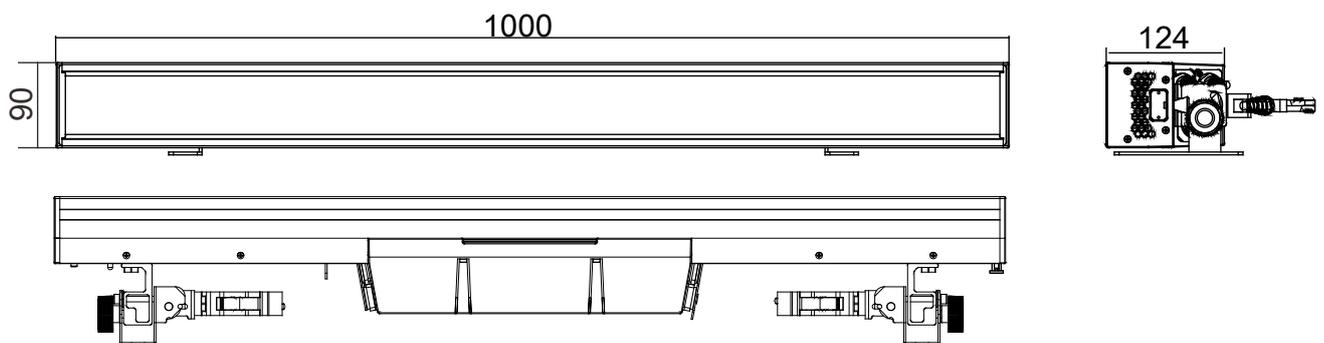
Applying the Smart Glass as frontal glass, providing changable frosted/transparent effect

Four optional smooth dimming curves to meet with different effect applications

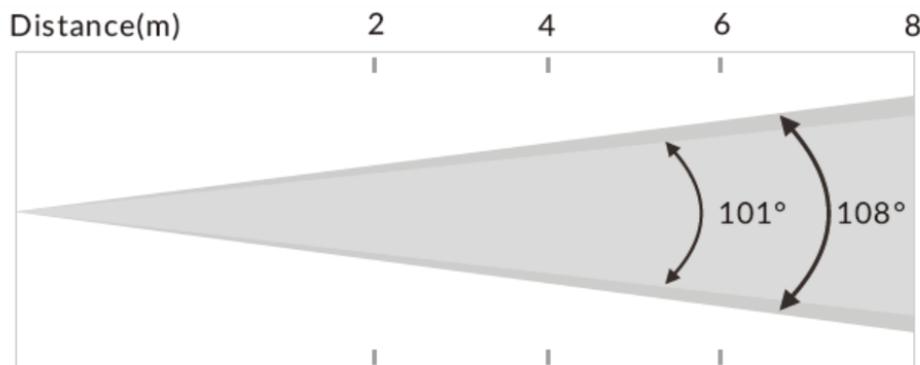
**Dimension/Weight:**

1000x124 x 90 mm ,8.5kgs

39.4"x4.9"x3.5" in, 18.7lbs

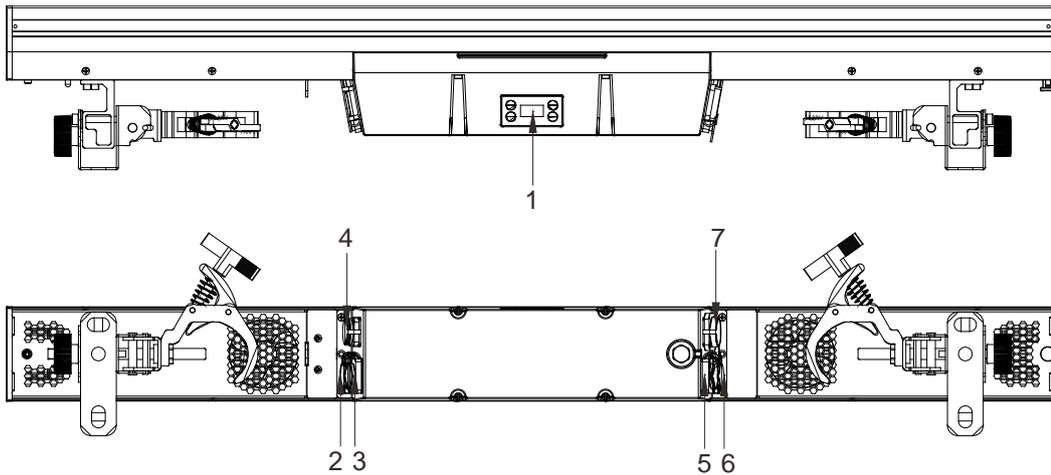


**Photometrics Diagram:**



101° RGB Lux	1,163	291	129	73
Diameter(m)	12.7	25.3	38	51
108° CW Lux	2,919	730	324	182
Diameter(m)	12.7	25.3	38	51

### 3. Control Panel



**1. DISPLAY:** To show the various menus and the selected function

**Button:**

<b>MENU</b>	To enter into move backward or leave the menu
<b>▲ UP</b>	To go backward to move up in the menu
<b>▼ DOWN</b>	To go forward to move down in the menu
<b>ENTER</b>	To perform the desired functions

**2. ETHERNET:** Connect to the network

**3. DMX IN:**

DMX512 link, use 3-pin XLR cable to link the unit and DMX controller (5-pin XLR is optional)

**4. POWER IN(POWERCON Version):** To connect to supply power

**5. POWER OUT(POWERCON Version):** To connect to the next fixture

**. ETHERNET:** Connect to the network

**. DMX OUT:**

DMX 512 operation, use 3-pin XLR cable to link the next units (5-pin XLR is optional)

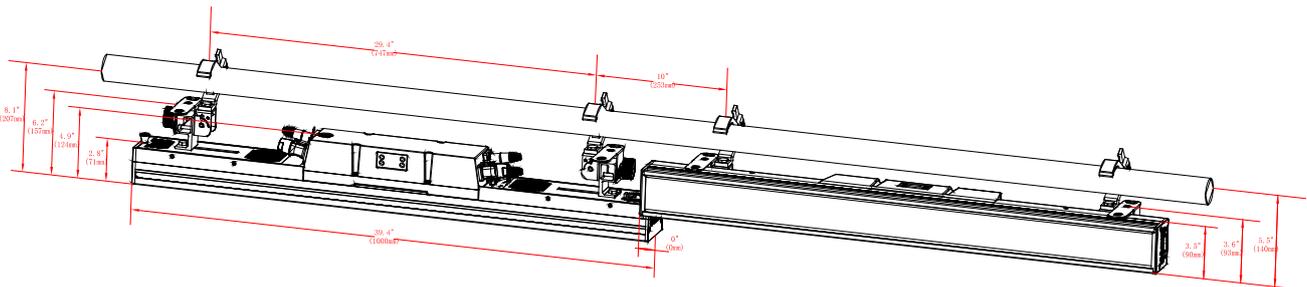
### 4. Installation and splicing

#### 4.1 Installation instructions

## Installation:

The fixture should be mounted via its Omega Quick Release Clamp 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 fixtures weight. Always use a safety cable that can hold 12 times of the weight of the fixture when installing.

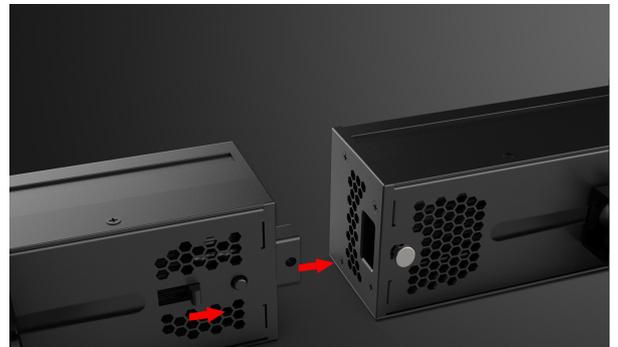
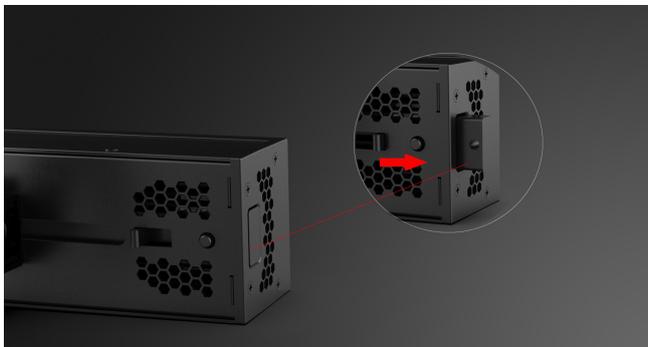
The equipment must be installed by professionals. It must be installed in a place where is out of the reach of people and no one can pass by or under it.



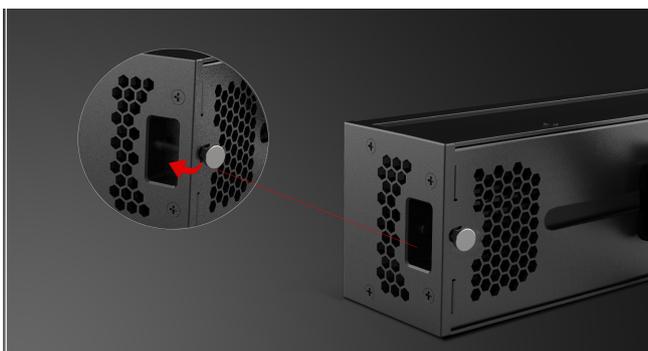
## 2. splicing:

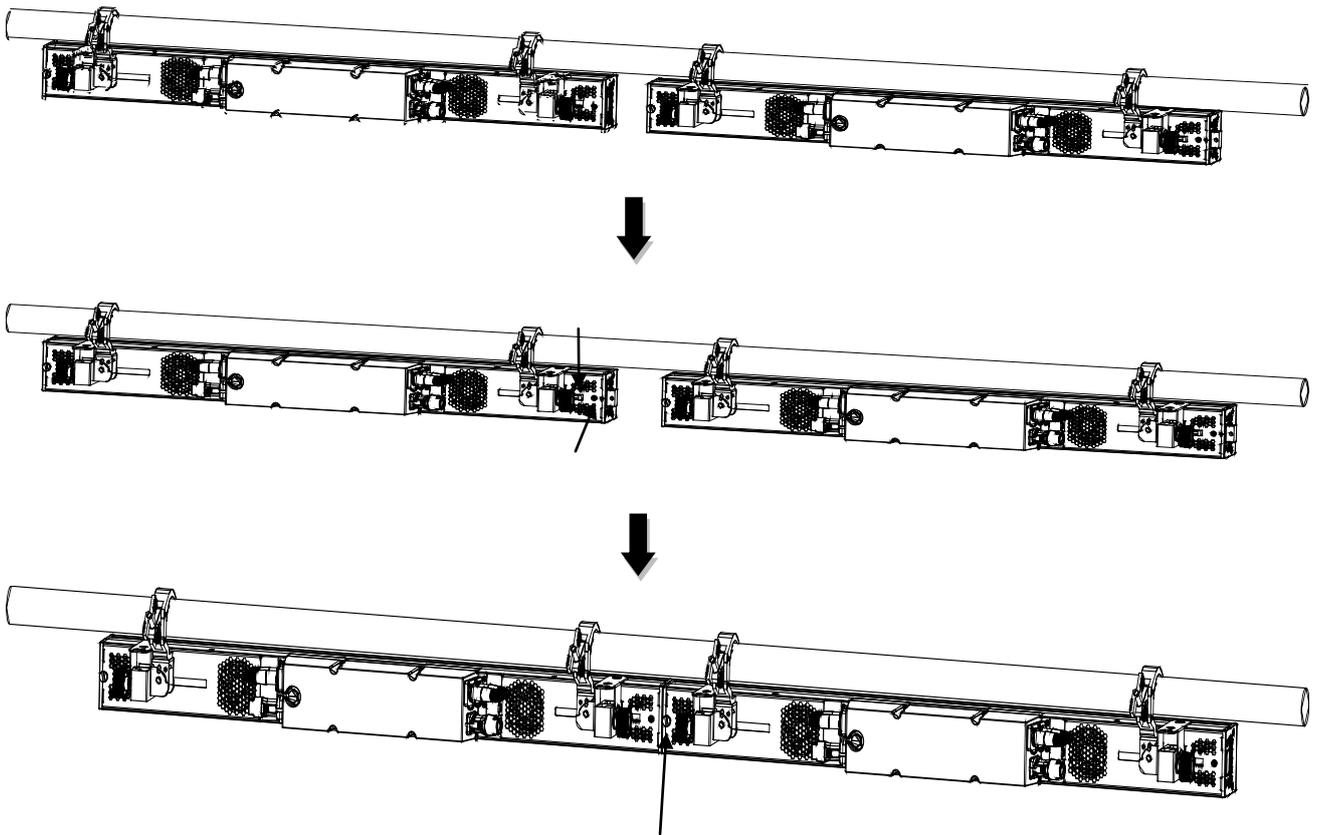
For Assembly steps, see the figure below

1. Press this connector, and the built-in component pops up



2. After the machine splices the two pieces together, pull the latch piece, and the built-in self-locking latch piece is then spliced together with the connecting piece.



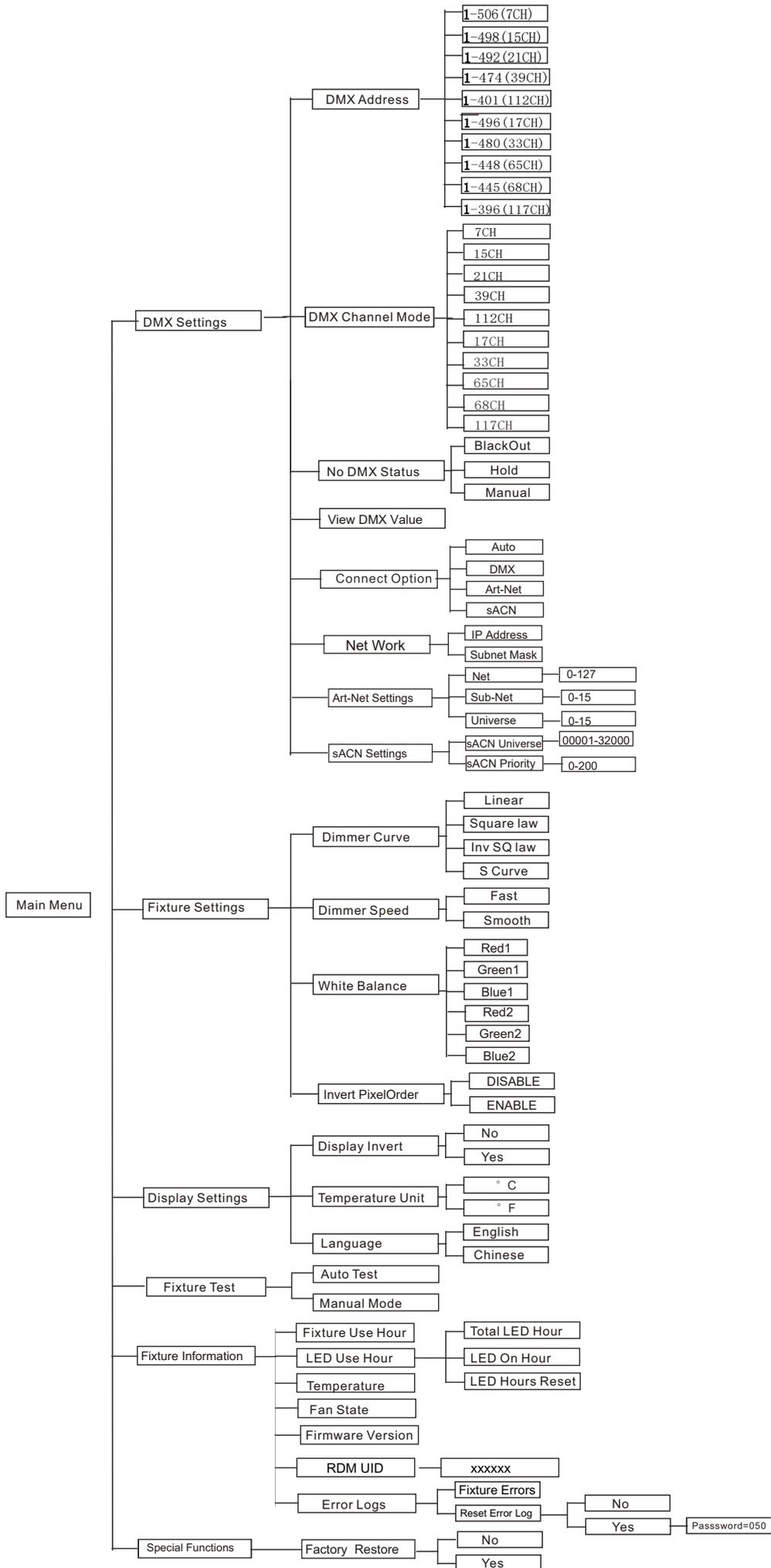


## 5. How To Set The Unit

### 5.1 Main Function

Turn on the unit, press the MENU button into menu mode, and press the UP/DOWN button until the required function is shown on the monitor. Select the function by the ENTER button. Use the UP/DOWN button to choose the submenu, press the ENTER button to store and automatically return to the last menu. Press the MENU button or let the unit idle One Minute to exit menu mode.

The main functions are shown below:



## ***DMX Settings***

To select **DMX Settings**, press the **ENTER** button to confirm, use the **UP/DOWN** button to select **DMX Address, DMX Channel Mode, No DMX Status ,View DMX Value,Connect Option, Network, Art-Net Settings** or **sACN Settings**.

### **DMX Address**

To select **DMX Address**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to adjust the address from **001~506/498/492/474/401/496/480/448/445/396** , press the **ENTER** button to store. Press the **MENU** button back to the last menu or let the unit idle One Minute to exit menu mode.

### **DMX Channel Mode**

To select **DMX Channel Mode**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **7CH/15CH/21CH/39CH/112CH/17CH/33CH/65CH/68CH/117CH**, 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.

### **No DMX Status**

To select **No DMX Status**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **BlackOut**(fixture blacks out if DMX signal stops) , **Hold**(fixture continues to obey the last command it received Via DMX if DMX signal stops)or **Manual**((When DMX signal is disconnected, the device runs in manual mode), 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.

### **View DMX Value**

To select **View DMX Value** , press the **ENTER** button to confirm. The current DMX value is displayed on the display screen. Press the **MENU** button back to the last menu or let the unit idle 30 seconds to exit menu mode.

### **Connect Option**

To select **Connect Option**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **Auto**, **DMX**, **Art-Net** or **sACN**, 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.

### **Network**

To select **Network**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **IP Address** or **Subnet Mask**, 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.

### **Art-Net Settings**

To select **Art-Net Settings**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **Net**, **Subnet** or **Universe**, 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.

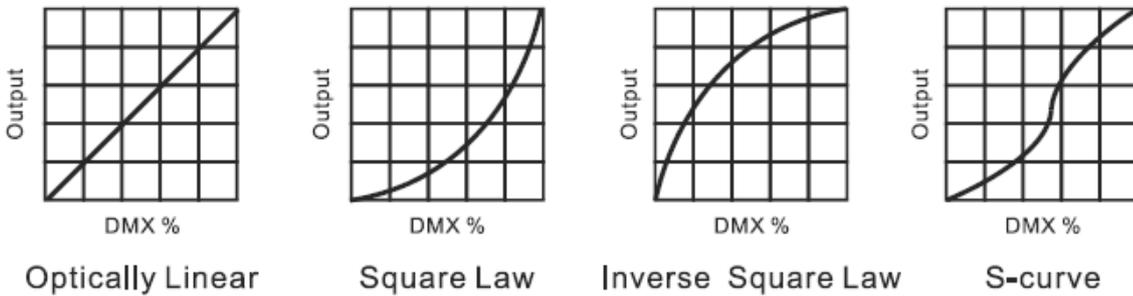
### **sACN Settings**

To select **sACN Settings**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **sACN Universe** or **sACN Priority**, 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.

### **Dimming curve**

To select **Dimming Curve** and press the **ENTER** button to confirm. Use the **UP/DOWN** button to select linear, square rate, inverse square rate or S curve. After selecting the desired mode, press the **ENTER** button to set and save. Press the **MENU** button to return, or wait one minute to return to the main menu.

## Dimmer Modes



**Linearity:** As the DMX value increases, the increase in light intensity tends to be linear

**Square Rate:** when the light intensity is controlled at a low value, the lines are finer, and at high values, the lines are thicker; **inverse square rate:** when the light intensity is controlled at a low value, the lines are thicker, and when the light intensity is controlled at a high value, the lines are thinner; **S-Curve:** The line is finer when the light intensity is controlled at low and high values, and the line is thicker at the middle value.

### **Dimming Speed**

To select **Dimming speed** and press the ENTER button to confirm. The current mode will be displayed on the display. Use the **UP/DOWN** buttons to select: fast or smooth, press the ENTER button to save. Press the **MENU** button to return to the previous menu or wait one minute to automatically exit the menu mode.

### **White Balance:**

To select **White Balance**, press the ENTER button to confirm, the current mode will be displayed on the display, and use the **UP/DOWN** buttons to select: **Red1, Green1, Blue1 , Red2, Green2, Blue2**, and press the ENTER button to save. Press the **MENU** button to return to the previous menu or wait one minute to automatically exit the menu mode.

### **Invert PixelOrder:**

To select **Invert PixelOrder**, press the ENTER button to confirm, the current mode will be displayed on the display, and use the **UP/DOWN** buttons to select: **DISABLE** and **ENABLE**, press the ENTER button to save. Press the **MENU** button to go back to the previous **MENU** or wait 30 seconds to automatically exit **MENU** mode.

### **Display Settings**

Enter the **MENU** mode, To select **Display Settings**, press the ENTER button to confirm, and use **UP/DOWN** to select: **Display Inversion, Temperature unit, or Language**.

### **Display Invert**

To select **Display Invert**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **No**(normal display) or **Yes**(invert display), press the **ENTER** button to store. Press the **MENU** button to return to the previous menu or wait one minute to automatically exit the menu mode.

### **Temperature Unit**

To select **Temperature Unit**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **°C** or **°F**, press the **ENTER** button to store. Press the **MENU** button to return to the previous menu or wait one minute to automatically exit the menu mode.

### **Language**

To select **Language**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **English** or **Chinese**, press the **ENTER** button to store. Press the **MENU** button to return to the previous menu or wait one minute to automatically exit the menu mode.

### ***Fixture Test***

To select **Fixture Test**, press the **ENTER** button to confirm, use the **UP/DOWN** button to select **Auto Test** or **Manual Test**.

#### **Auto Test**

To select **Auto Test**, press the **ENTER** button to confirm, the unit will run built-in programs to automatically test pan, tilt, P/T speed, color, gobo, prism, prism2, rprism, shutter, dimmer, focus, frost and spe. func. Press the **MENU** button to return to the previous menu or wait one minute to automatically exit the menu mode.

#### **Manual Mode**

To select **Manual Mode**, press the **ENTER** button to confirm, the present channel will show on the display, use the **UP/DOWN** button to select channel, press the **ENTER** button to confirm, then use the **UP/DOWN** button to adjust the value, press the **ENTER** button to store, the fixture will run as the channel value indicates. Press the **MENU** button to return to the previous menu or wait one minute to automatically exit the menu mode.

(All channels value will become 0 after exiting Manual Test menu)

## ***Fixture Information***

To select **Fixture Information**, press the **ENTER** button to confirm, use the **UP/DOWN** button to select **Fixture Use Hour, LED Use Hour, Temperature, Fan State, Firmware Version** or **Error Logs**.

### **Fixture Use Hour**

To select **Fixture Use Hour**, press the **ENTER** button to confirm, fixture use hour will show on the display, press the **MENU** button to exit.

### **LED Use Hour**

To select **LED Use Hour**, press the **ENTER** button to confirm and lamp use time in **Total LED Hours, LED On Hour** or **LED Hour Reset**. can be viewed, press the **ENTER** button to confirm. Press the **MENU** button to return to the previous menu or wait one minute to automatically exit the menu mode.

To select **Total LED Hours**, press the **ENTER** button to confirm, the total number of LED hours will be displayed on the screen, press the **MENU** button to exit. Select the **LED On Time**, press the **ENTER** button to confirm, the LED on time will be displayed on the screen, press the **MENU** button to exit. Select **LED Hour Reset**, press **ENTER** button to confirm, use **UP/DOWN** button to set password **050** to reset LED time, press **ENTER** button to save, Press the **MENU** button to return to the previous menu or wait one minute to automatically exit the menu mode.

### **Temperature**

To select **Temperature**, press the **ENTER** button to confirm, fixture temperature will show on the display, press the **MENU** button to exit.

### **Fan State**

To select **Fan State**, press the **ENTER** button to confirm, firmware version will show on the display, press the **MENU** button back to exit.

### **Firmware Version**

To select **Firmware Version**, press the **ENTER** button to confirm, firmware version will show on the display, press the **MENU** button back to exit.

## **Error Logs**

To select **Error Logs**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **Fixture Errors** or **Reset Error Log**, press the **ENTER** button to store. To select **Reset Error Log**, press the **ENTER** button to confirm, use the **UP/DOWN** button to select **No** or **Yes**, press the **ENTER** button to store. To select **Yes**, press the **ENTER** button to confirm, use the **UP/DOWN** button to set the password **050**, Press the **MENU** button to return to the previous menu or wait one minute to automatically exit the menu mode.

## ***Special Function***

To select ***Special Function***, press the **ENTER** button to confirm and lamp use time in **Factory Restore** can be viewed, press the **ENTER** button to confirm. Press the **MENU** button to return to the previous menu or wait one minute to automatically exit the menu mode.

### **Factory Restore**

To select **Factory Restore**, press the **ENTER** button to confirm, use the **UP/DOWN** button to select **No**(normal) or **Yes**(the fixture will reset to factory settings), Press the **MENU** button to return to the previous menu or wait one minute to automatically exit the menu mode.

## ***RDM FUNCTIONS***

Select the MANUFACTURER menu to display the manufacturer of the fixture.

Select the SOFTWARE VERSION menu and the program version number of the fixture will be displayed.

Select the DMX START ADDRESS menu to change the DMX 512 address (001-507).

Select the DEVICE MODEL DESCRIPTION menu to display the model of the fixture.

Select the DEVICE LABEL menu to change the model of the fixture.

Select the DMX PERSONALITY menu to set the channel mode of the fixture (7CH/15CH/21CH/39CH/112CH/17CH/33CH/65CH/68CH/117 channel).

Select the DMX PERSONALITY DESCRIPTION menu to display the current channel mode of the fixture.

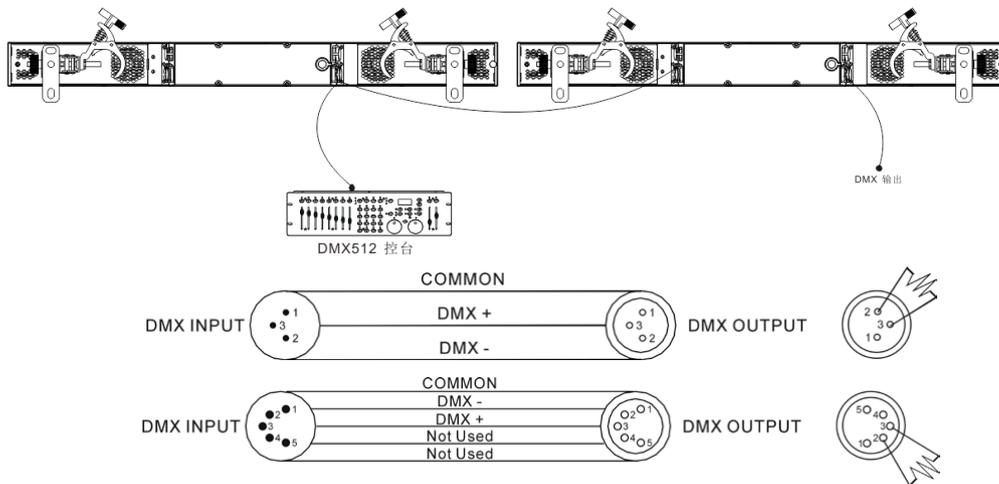
Select the DEVICE HOURS menu to display the running time of the fixture.

Select the RESET DEVICE menu, the WARM RESET/COLD RESET option will be displayed.

When WARM RESET is selected, the fixture will start a warm reset, and exit when COLD RESET is selected.

## 6. Control By Universal DMX Controller

### 6.1 DMX512 Connection



1. At last unit, the DMX cable has to be terminated with a terminator. Solder a 120-ohm 1/4W resistor between pin 2(DMX-) and pin 3(DMX+) into a 3-pin XLR-plug and plug it in the DMX-output of the last unit.
2. Connect the unit together in a “daisy chain” by XLR plug cable from the output of the unit to the input of the next unit. The cable cannot be branched or split to a “Y” cable. DMX 512 is a very high-speed signal. Inadequate or damaged cables, soldered joints or corroded connectors can easily distort the signal and shut down the system.
3. The DMX output and input connectors are pass-through to maintain the DMX circuit, when one of the units’ power is disconnected.
4. Each lighting unit needs to have a DMX address to receive the data by the controller. The address number is between 1-508.
5. The end of the DMX 512 system should be terminated to reduce signal errors.
6. 3 pin XLR connectors are more popular than 5 pins XLR.
  - 3 pin XLR: Pin 1: GND, Pin 2: Negative signal (-), Pin 3: Positive signal (+)
  - 5 pin XLR: Pin 1: GND, Pin 2: Negative signal (-), Pin 3: Positive signal (+), Pin 4, Pin 5 not used.

## 6.2 Address 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 on 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 one minute to exit menu mode.

Please refer to the following diagram to address your DMX512 channel for the first 4 units.

Channel mode	Unit 1 Address	Unit 2 Address	Unit 3 Address	Unit 4 Address
7 channels	1	8	15	22
15 channels	1	16	31	46
21channels	1	22	43	65
39channels	1	40	79	118
112 channels	1	113	225	337
17channels	1	18	35	52
33channels	1	34	67	100
65 channels	1	66	131	196
68 channels	1	69	137	205
117channels	1	118	235	352

## 6.3 DMX512 Configuration

Please refer to below configurations to control the fixtures **Attentions:**

1. The unit will maintain the last condition until reset if you cut-off the DMX signal.
2. For the channel Function, keep the value for about Five seconds, then the corresponding function will take into effect.

<b>7channel</b>	<b>value</b>	<b>function</b>
1	000-255	Red
2	000-255	Green
3	000-255	Blue
4	000-255	White
5	000-255	Dimmer Intensity: Intensity 0 to 100%
6	000-255	Dimmer Fine: 0 to 100%
7	000-255	FROST: 0 to 100%

<b>15channel</b>	<b>value</b>	<b>function</b>
1	000-255	Red
2	000-255	Green
3	000-255	Blue
4	000-255	White
5	000-255	Color
6	000-255	Dimmer Intensity: Intensity 0 to 100%
7	000-255	Dimmer Fine: 0 to 100%
8	0-255	Strobe Duration
9	0-6	Blackout
	7-255	Strobe Rate
10	0-5	No effect
	6-50	Ramp up
	51-100	Ramp down
	101-150	Ramp up-down
	151-200	Lightning
	201-255	Random
11		Backlight Macro
	0-21	No function
	22-30	Macro1
	31-39	Macro2
	40-48	Macro3
	49-57	Macro4
	58-66	Macro5
	67-75	Macro6
	76-84	Macro7
	85-93	Macro8
	94-102	Macro9
	103-111	Macro10
	112-120	Macro11
	121-129	Macro12
130-138	Macro13	
139-147	Macro14	

	148-156	Macro15
	157-165	Macro16
	166-174	Macro17
	175-183	Macro18
	184-192	Macro19
	193-201	Macro20
	202-210	Macro21
	211-219	Macro22
	220-228	Macro23
	229-237	Macro24
	238-246	Macro25
	247-255	Macro26
12		Mainlight Macro
	0-90	No function
	91-105	Macro1
	106-120	Macro2
	121-135	Macro3
	136-150	Macro4
	151-165	Macro5
	166-180	Macro6
	181-195	Macro7
	196-210	Macro8
	211-225	Macro9
	226-240	Macro10
241-255	Macro11	
13	0-255	Macro_Speed
14	0-255	Fade
15	000-255	FROST:0 to 100%

<b>21channel</b>	<b>value</b>	<b>function</b>
1	000-255	Red
2	000-255	Green
3	000-255	Blue
4	000-255	Color
5	000-255	Dimmer Intensity: Intensity 0 to 100%
6	000-255	Dimmer Fine: 0 to 100%
7	0-255	Strobe Duration
8	0-6	Blackout
	7-255	Strobe Rate
9	0-5	No effect
	6-50	Ramp up
	51-100	Ramp down
	101-150	Ramp up-down

	151-200	Lightning
	201-255	Random
		Backlight Macro
	0-21	No function
	22-30	Macro1
	31-39	Macro2
	40-48	Macro3
	49-57	Macro4
	58-66	Macro5
	67-75	Macro6
	76-84	Macro7
	85-93	Macro8
	94-102	Macro9
	103-111	Macro10
	112-120	Macro11
10	121-129	Macro12
	130-138	Macro13
	139-147	Macro14
	148-156	Macro15
	157-165	Macro16
	166-174	Macro17
	175-183	Macro18
	184-192	Macro19
	193-201	Macro20
	202-210	Macro21
	211-219	Macro22
	220-228	Macro23
	229-237	Macro24
	238-246	Macro25
	247-255	Macro26
11	0-255	Macro_Speed
12	0-255	RGB_Fade
13	000-255	Dimmer Intensity: Intensity 0 to 100%
14	000-255	Dimmer Fine: 0 to 100%
15	0-255	Strobe Duration
16	0-6	Blackout
	7-255	Strobe Rate
17	0-5	No effect
	6-50	Ramp up
	51-100	Ramp down
	101-150	Ramp up-down
	151-200	Lightning
	201-255	Random
		Mainlight Macro

18	0-90	No function
	91-105	Macro1
	106-120	Macro2
	121-135	Macro3
	136-150	Macro4
	151-165	Macro5
	166-180	Macro6
	181-195	Macro7
	196-210	Macro8
	211-225	Macro9
	226-240	Macro10
241-255	Macro11	
19	0-255	Macro_Speed
20	0-255	White_Fade
21	0-255	FROST

<b>39channel</b>	<b>value</b>	<b>function</b>
1	000-255	Red1
2	000-255	Green1
3	000-255	Blue1
4	000-255	Red2
5	000-255	Green2
6	000-255	Blue2
7	000-255	Red3
8	000-255	Green3
9	000-255	Blue3
10	000-255	Red4
11	000-255	Green4
12	000-255	Blue4
13	000-255	Red5
14	000-255	Green5
15	000-255	Blue5
16	000-255	Red6
17	000-255	Green6
18	000-255	Blue6
19	000-255	Red7
20	000-255	Green7
21	000-255	Blue7
22	000-255	Red8
23	000-255	Green8
24	000-255	Blue8
25	000-255	Dimmer Intensity: Intensity 0 to 100%
26	000-255	Dimmer Fine: 0 to 100%

27	0-255	Strobe Duration
28	0-6	Blackout
	7-255	Strobe Rate
29	0-5	No effect
	6-50	Ramp up
	51-100	Ramp down
	101-150	Ramp up-down
	151-200	Lightning
	201-255	Random
	30	000-255
31	000-255	White2
32	000-255	White3
33	000-255	White4
34	000-255	Dimmer Intensity: Intensity 0 to 100%
35	000-255	Dimmer Fine: 0 to 100%
36	0-255	Strobe Duration
37	0-6	Blackout
	7-255	Strobe Rate
38	0-5	No effect
	6-50	Ramp up
	51-100	Ramp down
	101-150	Ramp up-down
	151-200	Lightning
	201-255	Random
	39	000-255

<b>112channel</b>	<b>value</b>	<b>function</b>
1	000-255	Red1
2	000-255	Green1
3	000-255	Blue1
4	000-255	Red2
5	000-255	Green2
6	000-255	Blue2
7	000-255	Red3
8	000-255	Green3
9	000-255	Blue3
10	000-255	Red4
11	000-255	Green4
12	000-255	Blue4
13	000-255	Red5
14	000-255	Green5
15	000-255	Blue5
16	000-255	Red6
17	000-255	Green6

18	000-255	Blue6
19	000-255	Red7
20	000-255	Green7
21	000-255	Blue7
22	000-255	Red8
23	000-255	Green8
24	000-255	Blue8
25	000-255	Red9
26	000-255	Green9
27	000-255	Blue9
28	000-255	Red10
29	000-255	Green10
30	000-255	Blue10
31	000-255	Red11
32	000-255	Green11
33	000-255	Blue11
34	000-255	Red12
35	000-255	Green12
36	000-255	Blue12
37	000-255	Red13
38	000-255	Green13
39	000-255	Blue13
40	000-255	Red14
41	000-255	Green14
42	000-255	Blue14
43	000-255	Red15
44	000-255	Green15
45	000-255	Blue15
46	000-255	Red16
47	000-255	Green16
48	000-255	Blue16
49	000-255	Red17
50	000-255	Green17
51	000-255	Blue17
52	000-255	Red18
53	000-255	Green18
54	000-255	Blue18
55	000-255	Red19
56	000-255	Green19
57	000-255	Blue19
58	000-255	Red20
59	000-255	Green20
60	000-255	Blue20
61	000-255	Red21
62	000-255	Green21

63	000-255	Blue21
64	000-255	Red22
65	000-255	Green22
66	000-255	Blue22
67	000-255	Red23
68	000-255	Green23
69	000-255	Blue23
70	000-255	Red24
71	000-255	Green24
72	000-255	Blue24
73	000-255	Red25
74	000-255	Green25
75	000-255	Blue25
76	000-255	Red26
77	000-255	Green26
78	000-255	Blue26
79	000-255	Red27
80	000-255	Green27
81	000-255	Blue27
82	000-255	Red28
83	000-255	Green28
84	000-255	Blue28
85	000-255	Red29
86	000-255	Green29
87	000-255	Blue29
88	000-255	Red30
89	000-255	Green30
90	000-255	Blue30
91	000-255	Red31
92	000-255	Green31
93	000-255	Blue31
94	000-255	Red32
95	000-255	Green32
96	000-255	Blue32
97	000-255	White1
98	000-255	White2
99	000-255	White3
100	000-255	White4
101	000-255	White5
102	000-255	White6
103	000-255	White7
104	000-255	White8
105	000-255	White9
106	000-255	White10
107	000-255	White11

108	000-255	White12
109	000-255	White13
110	000-255	White14
111	000-255	White15
112	000-255	White16

<b>17channel</b>	<b>value</b>	<b>function</b>
1	000-255	Red1
2	000-255	Green1
3	000-255	Blue1
4	000-255	Red2
5	000-255	Green2
6	000-255	Blue2
7	000-255	Red3
8	000-255	Green3
9	000-255	Blue3
10	000-255	Red4
11	000-255	Green4
12	000-255	Blue4
13	000-255	White1
14	000-255	White2
15	000-255	White3
16	000-255	White4
17	000-255	FROST

<b>33channel</b>	<b>value</b>	<b>function</b>
1	000-255	Red1
2	000-255	Green1
3	000-255	Blue1
4	000-255	Red2
5	000-255	Green2
6	000-255	Blue2
7	000-255	Red3
8	000-255	Green3
9	000-255	Blue3
10	000-255	Red4
11	000-255	Green4
12	000-255	Blue4
13	000-255	Red5
14	000-255	Green5
15	000-255	Blue5
16	000-255	Red6
17	000-255	Green6
18	000-255	Blue6

19	000-255	Red7
20	000-255	Green7
21	000-255	Blue7
22	000-255	Red8
23	000-255	Green8
24	000-255	Blue8
25	000-255	White1
26	000-255	White2
27	000-255	White3
28	000-255	White4
29	000-255	White5
30	000-255	White6
31	000-255	White7
32	000-255	White8
33	000-255	FROST

<b>65channel</b>	<b>value</b>	<b>function</b>
1	000-255	Red1
2	000-255	Green1
3	000-255	Blue1
4	000-255	Red2
5	000-255	Green2
6	000-255	Blue2
7	000-255	Red3
8	000-255	Green3
9	000-255	Blue3
10	000-255	Red4
11	000-255	Green4
12	000-255	Blue4
13	000-255	Red5
14	000-255	Green5
15	000-255	Blue5
16	000-255	Red6
17	000-255	Green6
18	000-255	Blue6
19	000-255	Red7
20	000-255	Green7
21	000-255	Blue7
22	000-255	Red8
23	000-255	Green8
24	000-255	Blue8
25	000-255	Red9
26	000-255	Green9
27	000-255	Blue9

28	000-255	Red10
29	000-255	Green10
30	000-255	Blue10
31	000-255	Red11
32	000-255	Green11
33	000-255	Blue11
34	000-255	Red12
35	000-255	Green12
36	000-255	Blue12
37	000-255	Red13
38	000-255	Green13
39	000-255	Blue13
40	000-255	Red14
41	000-255	Green14
42	000-255	Blue14
43	000-255	Red15
44	000-255	Green15
45	000-255	Blue15
46	000-255	Red16
47	000-255	Green16
48	000-255	Blue16
49	000-255	White1
50	000-255	White2
51	000-255	White3
52	000-255	White4
53	000-255	White5
54	000-255	White6
55	000-255	White7
56	000-255	White8
57	000-255	White9
58	000-255	White10
59	000-255	White11
60	000-255	White12
61	000-255	White13
62	000-255	White14
63	000-255	White15
64	000-255	White16
65	000-255	FROST

<b>68channel</b>	<b>value</b>	<b>function</b>
1	000-255	Dimmer
2	000-255	Backlight Strobe Effect
	000-007	No Effect
	008-127	Strobe
	128-130	No Effect

	131-250	Random
	251-255	No Effect
3	000-255	Mainlight Strobe Effect
	000-007	No Effect
	008-127	Strobe
	128-130	No Effect
	131-250	Random
	251-255	No Effect
4	000-255	Frost
5	000-255	Red1
6	000-255	Green1
7	000-255	Blue1
8	000-255	Red2
9	000-255	Green2
10	000-255	Blue2
11	000-255	Red3
12	000-255	Green3
13	000-255	Blue3
14	000-255	Red4
15	000-255	Green4
16	000-255	Blue4
17	000-255	Red5
18	000-255	Green5
19	000-255	Blue5
20	000-255	Red6
21	000-255	Green6
22	000-255	Blue6
23	000-255	Red7
24	000-255	Green7
25	000-255	Blue7
26	000-255	Red8
27	000-255	Green8
28	000-255	Blue8
29	000-255	Red9
30	000-255	Green9
31	000-255	Blue9
32	000-255	Red10
33	000-255	Green10
34	000-255	Blue10
35	000-255	Red11
36	000-255	Green11
37	000-255	Blue11
38	000-255	Red12
39	000-255	Green12
40	000-255	Blue12

41	000-255	Red13
42	000-255	Green13
43	000-255	Blue13
44	000-255	Red14
45	000-255	Green14
46	000-255	Blue14
47	000-255	Red15
48	000-255	Green15
49	000-255	Blue15
50	000-255	Red16
51	000-255	Green16
52	000-255	Blue16
53	000-255	White1
54	000-255	White2
55	000-255	White3
56	000-255	White4
57	000-255	White5
58	000-255	White6
59	000-255	White7
60	000-255	White8
61	000-255	White9
62	000-255	White10
63	000-255	White11
64	000-255	White12
65	000-255	White13
66	000-255	White14
67	000-255	White15
68	000-255	White16

<b>117channel</b>	<b>value</b>	<b>function</b>
1	000-255	Dimmer
2	0-255	Strobe Duration
3	0-6	Blackout
	7-255	Strobe Rate
4	0-5	No effect
	6-50	Ramp up
	51-100	Ramp down
	101-150	Ramp up-down
	151-200	Lightning
	201-255	Random
5	000-255	Frost
6	000-255	Red1
7	000-255	Green1
8	000-255	Blue1
9	000-255	Red2

10	000-255	Green2
11	000-255	Blue2
12	000-255	Red3
13	000-255	Green3
14	000-255	Blue3
15	000-255	Red4
16	000-255	Green4
17	000-255	Blue4
18	000-255	Red5
19	000-255	Green5
20	000-255	Blue5
21	000-255	Red6
22	000-255	Green6
23	000-255	Blue6
24	000-255	Red7
25	000-255	Green7
26	000-255	Blue7
27	000-255	Red8
28	000-255	Green8
29	000-255	Blue8
30	000-255	Red9
31	000-255	Green9
32	000-255	Blue9
33	000-255	Red10
34	000-255	Green10
35	000-255	Blue10
36	000-255	Red11
37	000-255	Green11
38	000-255	Blue11
39	000-255	Red12
40	000-255	Green12
41	000-255	Blue12
42	000-255	Red13
43	000-255	Green13
44	000-255	Blue13
45	000-255	Red14
46	000-255	Green14
47	000-255	Blue14
48	000-255	Red15
49	000-255	Green15
50	000-255	Blue15
51	000-255	Red16
52	000-255	Green16
53	000-255	Blue16
54	000-255	Red17

55	000-255	Green17
56	000-255	Blue17
57	000-255	Red18
58	000-255	Green18
59	000-255	Blue18
60	000-255	Red19
61	000-255	Green19
62	000-255	Blue19
63	000-255	Red20
64	000-255	Green20
65	000-255	Blue20
66	000-255	Red21
67	000-255	Green21
68	000-255	Blue21
69	000-255	Red22
70	000-255	Green22
71	000-255	Blue22
72	000-255	Red23
73	000-255	Green23
74	000-255	Blue23
75	000-255	Red24
76	000-255	Green24
77	000-255	Blue24
78	000-255	Red25
79	000-255	Green25
80	000-255	Blue25
81	000-255	Red26
82	000-255	Green26
83	000-255	Blue26
84	000-255	Red27
85	000-255	Green27
86	000-255	Blue27
87	000-255	Red28
88	000-255	Green28
89	000-255	Blue28
90	000-255	Red29
91	000-255	Green29
92	000-255	Blue29
93	000-255	Red30
94	000-255	Green30
95	000-255	Blue30
96	000-255	Red31
97	000-255	Green31
98	000-255	Blue31
99	000-255	Red32

100	000-255	Green32
101	000-255	Blue32
102	000-255	White1
103	000-255	White2
104	000-255	White3
105	000-255	White4
106	000-255	White5
107	000-255	White6
108	000-255	White7
109	000-255	White8
110	000-255	White9
111	000-255	White10
112	000-255	White11
113	000-255	White12
114	000-255	White13
115	000-255	White14
116	000-255	White15
117	000-255	White16

LED Zoning map:

7/15/21CH

1
2
1

17CH

1	2	3	4
5	6	7	8
1	2	3	4

33/39CH

1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16
1	2	3	4	5	6	7	8

65/68CH

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

112/117CH

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32

## **7. Error Information**

### **1. LED Fan Error**

Check if the fan is not running.

Check if the fan leads are installed in place or disconnected.

Check if the fan is damaged.

Check if there are other interference items in the fan operating range. Check if the fan circuit on the motherboard breaks down.

Check if the component is damaged.

Check if the fan is out of order.

### **2. Temperature Error**

Check if the temperature detecting board is normal.

Check if the components of the temperature detecting board are damaged.

Check if the lead of the temperature detecting board is installed in place or disconnected.

### **3. Timeout Use**

#### **4. Too Hot Off**

When the fixture temperature reaches 86 °C, it will automatically turn off to protect the fixture.

## **8. Troubleshooting**

**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 connect power.
2. Measure the mains voltage on the main connector.
3. Check the power on LED to see if it can be light up or not.

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

1. check DMX connectors, cables to see if they are linked properly.
2. check the address settings and DMX polarity.
3. check the pins on connectors or on PCB of the unit or the previous one.
4. Try to use another DMX controller.
5. Check to see 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 motor's drive IC on the PCB might be out of condition.

## **9. 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 and use normal glass to clean liquid.
- Always dry the parts carefully.
- Clean the external optics at least every 20 days.

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