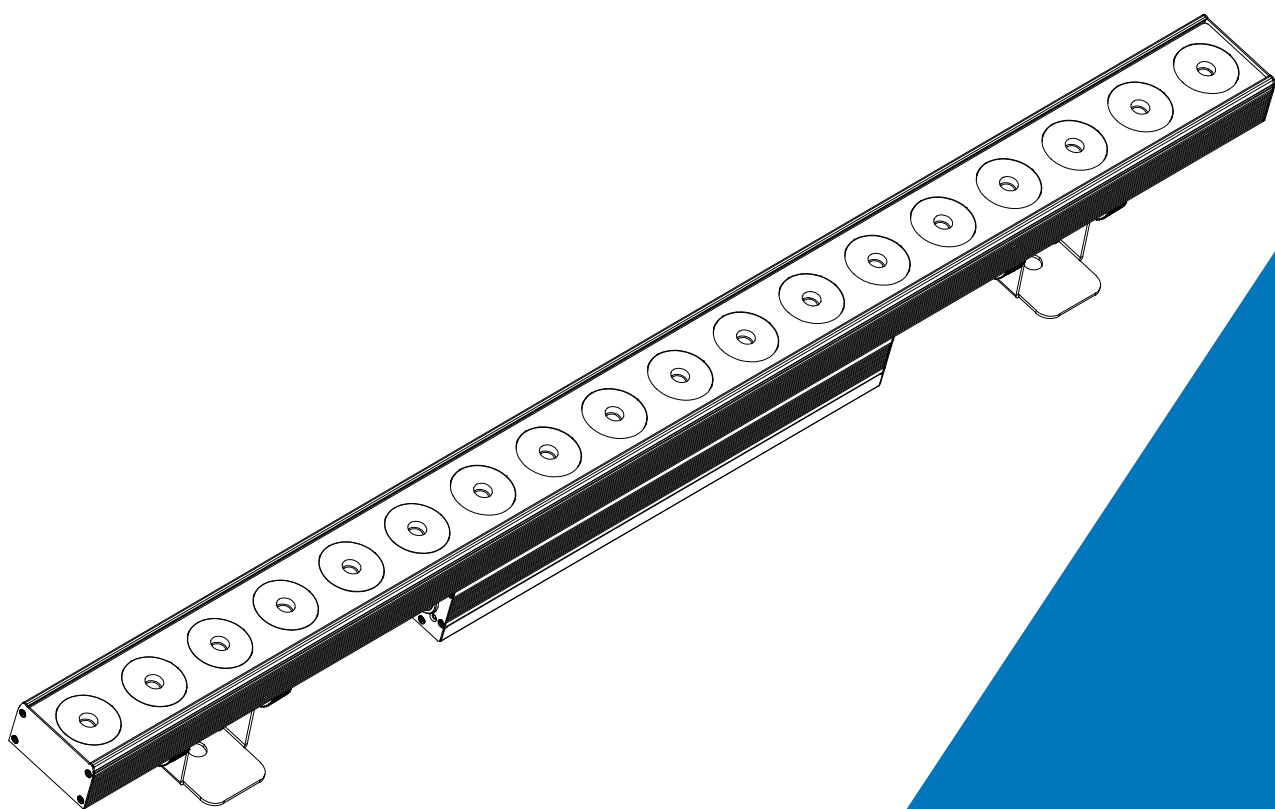


# Acme®

## *FLANDINA 18*



### User Manual

Please read the instruction carefully before use

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## 1. Safety Instructions



### WARNING

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 that there is no transportation damage before using the unit.
- This product is for indoor use only. Use only in a dry location.
- 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 LED is on.
- DO NOT start on the unit without LED enclosure or when housing is damaged.

**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. Technical Specifications

### Power Voltage:

AC 100~240V, 50/60Hz

### Power Consumption:

125W

### Light Source:

18x8W RGBW LED

### Beam Angle:

14.5°

### Field Angle:

26.4°

### Dimming/Strobe:

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

### Control:

DMX Channel: 16/11/10/8/4 Channels

Protocols: DMX512, RDM

Firmware Upgrade via DMX link

### Construction:

Display: OLED display

Data In/Out: 3-pin XLR (5-pin XLR is optional)

Power In/Out: Power Connector in/out

Protection Rating: IP20

### Features:

High-efficiency lenses to provide uniform flat beam

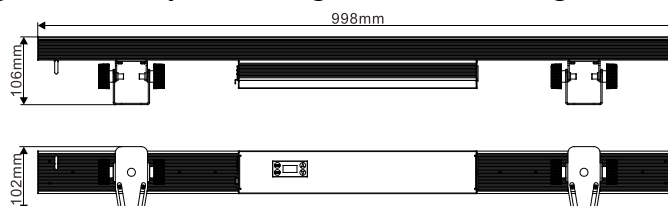
Suitable for project installation and touring performances

Double mounting brackets design and the adjustable angle reaches 180 degrees in both direction

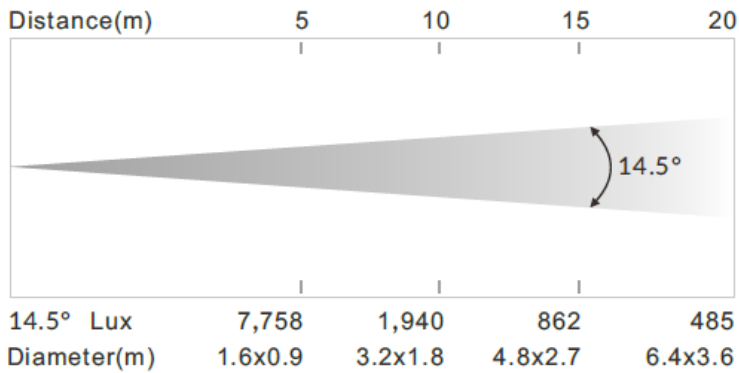
### Dimension/ Weight:

998x102x106mm, 3.9kgs

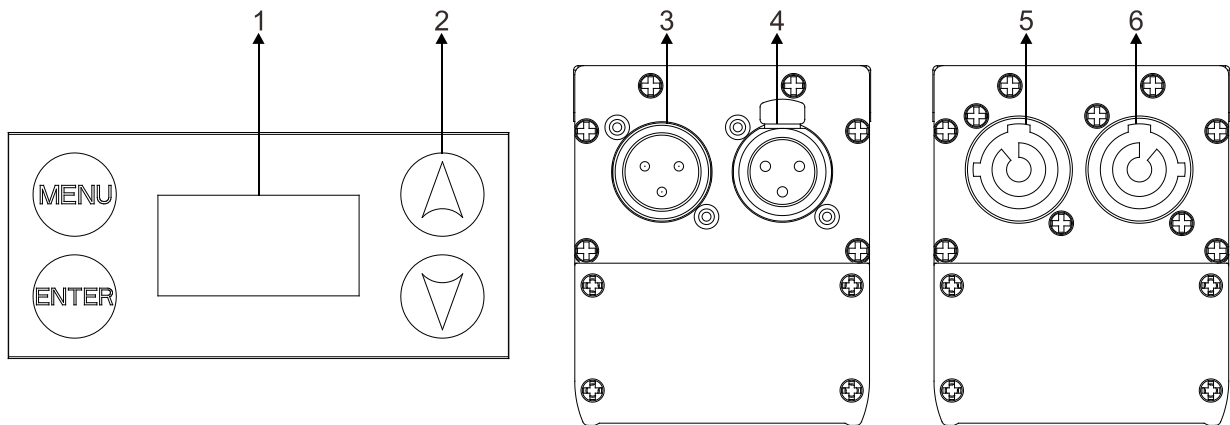
39.3"x4"x4.2" in, 8.6lbs



**Photometrics Diagram:**



**3. Control Panel**



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

**2. Button:**

<b>MENU</b>	To select the programming functions
<b>▼ DOWN</b>	To go forward in the selected functions
<b>▲ UP</b>	To go backward in the selected functions
<b>ENTER</b>	To confirm the selected functions

**3. DMX IN:**

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

**4. DMX OUT:**

For DMX512 operation, use 3-pin XLR cable to link the next units (5-pin XLR is optional)

**5. POWERCON IN:** To connect to supply power

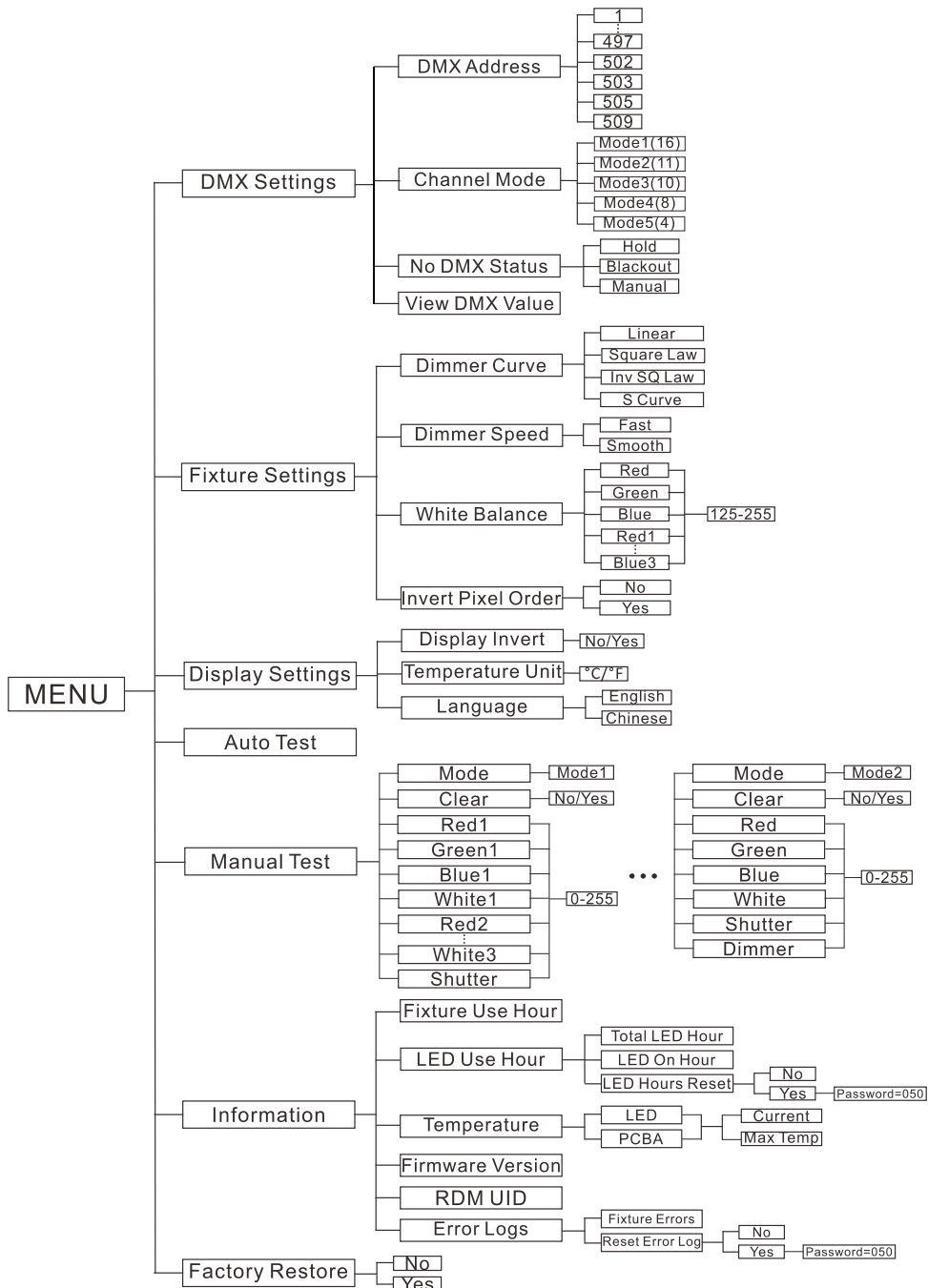
**6. POWERCON OUT:** To connect to the next unit

## 4. How to Set the Unit

### 4.1 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 30 seconds 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, Channel Mode, No DMX Status** or **View DMX Value**.

### **DMX Address**

To select **DMX Address**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to adjust the address from **001** to **497/502/503/505/509**, 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.

### **Channel Mode**

To select **Channel Mode**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **Mode1(16), Mode2(11), Mode3(10), Mode4(8)** or **Mode5(4)**, 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 **Hold**(fixture continues to obey the last command it received Via DMX if DMX signal stops), **Blackout**(fixture blacks out if DMX signal stops) or **Manual**(the fixture will automatically read the DMX value in the “Manual Test” menu for operation after selecting this 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. Use the **UP/DOWN** button to view the DMX channel value. Press the **MENU** button back to the last menu or let the unit idle 30 seconds to exit menu mode.

## ***Fixture Settings***

To select **Fixture Settings**, press the **ENTER** button to confirm, use the **UP/DOWN** button to select **Dimmer Curve, Dimmer Speed, White Balance** or **Invert Pixel Order**.

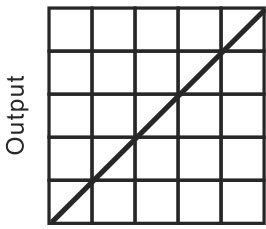
### **Dimmer Curve**

To select **Dimmer Curve**, press the **ENTER** button to confirm. Use the **DOWN/UP** button to select **Linear, Square Law, Inv SQ Law** or **S Curve**, press the **ENTER** button to store. Press the **MENU** button



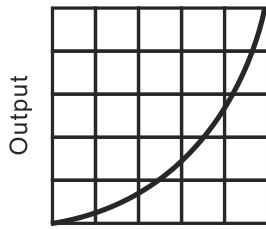
back to the last menu or let the unit idle 30 seconds to exit menu mode.

## Dimmer Modes



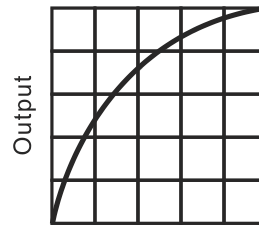
DMX %

Optically Linear



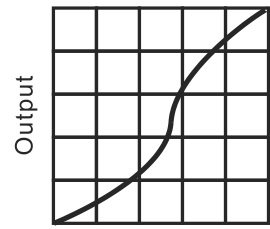
DMX %

Square Law



DMX %

Inverse Square Law



DMX %

S-curve

**Optically Linear:** The increase in light intensity appears to be linear as DMX value is increased.

**Square Law:** Light intensity control is finer at low levels and coarser at high levels.

**Inverse Square Law:** Light intensity control is coarser at low levels and finer at high levels.

**S-Curve:** Light intensity control is finer at low levels and high levels and coarser at medium levels.

### Dimmer Speed

To select **Dimmer Speed**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **Fast** or **Smooth**, 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.

### White Balance

To select **White Balance**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **Red**, **Green**, **Blue**, **Red1.....** or **Blue3**, press the **ENTER** button to store. Use the **UP/DOWN** button to adjust the value from **125** to **255**, 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.

### Invert Pixel Order

To select **Invert Pixel Order**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **No** or **Yes**, 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.

### Display Settings

To select **Display Settings**, press the **ENTER** button to confirm, use the **UP/DOWN** button to select **Display Invert**, **Temperature Unit** or **Language**.

### **Display Invert**

Select **Display Invert**, press the **ENTER** button to confirm, present mode will blink on the display, use the **UP/DOWN** button to select **No** (normal display) or **Yes** (invert display), 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.

### **Temperature Unit**

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 back to the last menu or let the unit idle 30 seconds to exit menu mode.

### **Language**

Select **Language**, press the **ENTER** button to confirm, present mode will blink on the display, use the **UP/DOWN** button to select **English** or **Chinese**. Press the **MENU** button back to the last menu or let the unit idle 30 seconds to exit menu mode.

### ***Auto Test***

To select **Auto Test**, press the **ENTER** button to confirm, the unit will run built-in programs to automatically test its functions. Press the **MENU** button back to the last menu or exit menu mode after auto test.

### ***Manual Test***

To select **Manual Test**, press the **ENTER** button to confirm, use the **UP/DOWN** button to select **Mode, Clear, Red1, Green1, Blue1, White1, Red2.....White3, Shutter** or **Red, Green, Blue, White, Shutter Dimmer**, press the **ENTER** button to confirm, use the **UP/DOWN** button to adjust the value from **0** to **255**, 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.

### ***Information***

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

### **Fixture Use Hour**

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, use the **UP/DOWN** button to select **Total LED Hour**, **LED On Hour** or **LED Hours Reset**, press the **ENTER** button to store. To select **LED Hours Reset**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **No** or **Yes**, press the **ENTER** button to confirm. To select **Yes**, press the **ENTER** button to confirm, use the **UP/DOWN** button to set the password **050** to reset the LED hours, press the **ENTER** button to store. Press the **MENU** button back to the last menu or exit menu mode let the unit idle 30 seconds.

### **Temperature**

Select **Temperature**, press the **ENTER** button to confirm, use the **UP/DOWN** button to select **LED** or **PCBA**, press the **ENTER** button to confirm, fixture's current temperature and max temperature of the LED or PCBA will show on the display, press the **MENU** button to exit.

### **Firmware Version**

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

### **RDM UID**

Select **RDM UID**, press the **ENTER** button to confirm, RDM UID will show on the display, press the **MENU** button back to exit.

### **Error Logs**

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. 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. Select **Yes**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to set the password **050**, 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.

## ***Factory Restore***

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 **ENTER** button to store. Press the **MENU** button to exit.

## ***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 (001-512).

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 (16/11/10/8/4 channel).

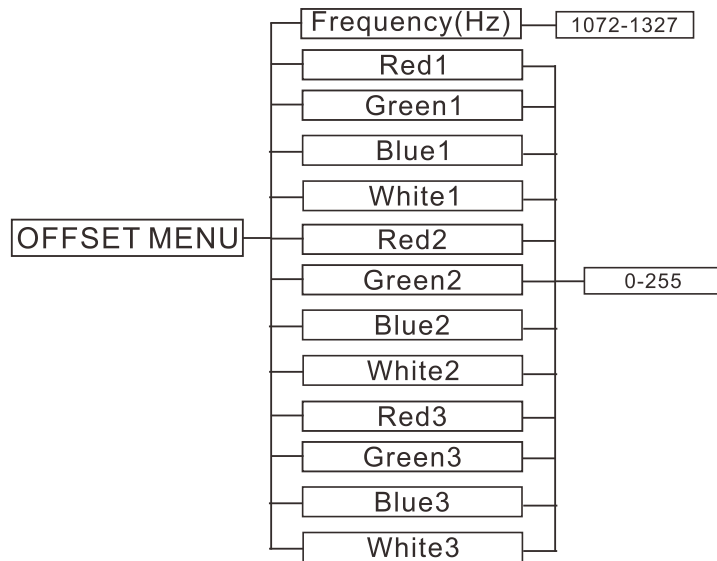
Select the DMX PERSONALITY DESCRIPTION menu to display the current channel mode of the fixture.

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.

## **4.2 Home Position Adjustment**

Press the MENU button into menu mode, then press the ENTER button for about 3 seconds into offset mode to adjust the home position. 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 MENU button to exit.



### Frequency(Hz)

Enter offset mode, Select **Frequency(Hz)**, press the **ENTER** button to confirm, the present position will blink on the display, use the **UP/DOWN** button to offset the value from 1072 to 1327, press the **ENTER** button to store. Press the **MENU** button to exit.

### Red1

Enter offset mode, select **Red1**, press the **ENTER** button to confirm, the present position will blink on the display, use the **UP/DOWN** button to offset the value from 0 to 255, press the **ENTER** button to store. Press the **MENU** button to exit.

### Green1

Enter offset mode, select **Green1**, press the **ENTER** button to confirm, the present position will blink on the display, use the **UP/DOWN** button to offset the value from 0 to 255, press the **ENTER** button to store. Press the **MENU** button to exit.

### Blue1

Enter offset mode, select **Blue1**, press the **ENTER** button to confirm, the present position will blink on the display, use the **UP/DOWN** button to offset the value from 0 to 255, press the **ENTER** button to store. Press the **MENU** button to exit.

### White1

Enter offset mode, select **White1**, press the **ENTER** button to confirm, the present position will blink on the display, use the **UP/DOWN** button to offset the value from 0 to 255, press the **ENTER** button to store. Press the **MENU** button to exit.

## Red2

Enter offset mode, select **Red2**, press the **ENTER** button to confirm, the present position will blink on the display, use the **UP/DOWN** button to offset the value from 0 to 255, press the **ENTER** button to store. Press the **MENU** button to exit.

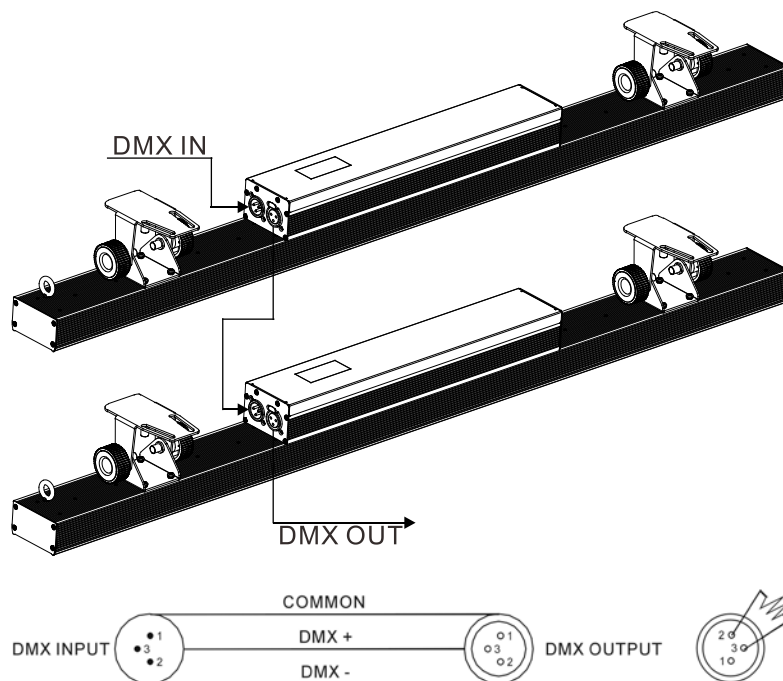
.....

## White3

Enter offset mode, select **White3**, press the **ENTER** button to confirm, the present position will blink on the display, use the **UP/DOWN** button to offset the value from 0 to 255, press the **ENTER** button to store. Press the **MENU** button to exit.

## 5. Control by Universal DMX Controller

### 5.1 DMX512 Connections



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 1-512.
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 (+), Pin4, Pin5 not used.

## 5.2 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 Setting, 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 30 seconds 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
16 Channel	1	17	33	49
11 Channel	1	12	23	34
10 Channel	1	11	21	31
8 Channel	1	9	17	25
4 Channel	1	5	9	13

## 5.3 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 3 seconds, then the corresponding function will take into effect.

### 16 Channels Mode:

CHANNEL	VALUE	FUNCTION
1	000-255	<b>RED1</b> 0%→100%
2	000-255	<b>GREEN1</b> 0%→100%
3	000-255	<b>BLUE1</b> 0%→100%
4	000-255	<b>WHITE1</b> 0%→100%
5	000-255	<b>RED2</b> 0%→100%
6	000-255	<b>GREEN2</b> 0%→100%
7	000-255	<b>BLUE2</b> 0%→100%
8	000-255	<b>WHITE2</b> 0%→100%
9	000-255	<b>RED3</b> 0%→100%
10	000-255	<b>GREEN3</b> 0%→100%
11	000-255	<b>BLUE3</b> 0%→100%
12	000-255	<b>WHITE3</b> 0%→100%
13	000-007 008-015 016-131 132-139	<b>STROBE</b> Close Open Strobe from Slow to Fast Open



	140-181 182-189 190-231 232-239 240-247 248-255	Slow Open Fast Close Open Fast Open Slow Close Open Random Strobe Open
<b>14</b>	000-255	<b>DIMMER</b> 0%→100%
<b>15</b>	000-255	<b>DIMMER FINE</b>
<b>16</b>	000-029 030-039 040-049 050-059 060-069 070-079 080-089 090-099 100-109 110-119 120-129 130-139 140-179 180-189 190-199 200-209 210-219 220-229 230-255	<b>FUNCTION</b> Null Dimmer Curve: Linear Dimmer Curve: Square Law Dimmer Curve: Inv SQ Law Dimmer Curve: S Curve Null Null Null Led Frequency Setting Enable Led Frequency Setting Disable Null Null Null Dimmer Speed: Fast Dimmer Speed: Smooth Null Null Null Null

**11 Channels Mode:**

<b>CHANNEL</b>	<b>VALUE</b>	<b>FUNCTION</b>
<b>1</b>	000-255	<b>RED</b> 0%→100%
<b>2</b>	000-255	<b>RED FINE</b>
<b>3</b>	000-255	<b>GREEN</b> 0%→100%
<b>4</b>	000-255	<b>GREEN FINE</b>
<b>5</b>		<b>BLUE</b>

	000-255	0%→100%
<b>6</b>	000-255	<b>BLUE FINE</b>
<b>7</b>	000-255	<b>WHITE</b> 0%→100%
<b>8</b>	000-255	<b>WHITE FINE</b>
<b>9</b>	000-007 008-015 016-131 132-139 140-181 182-189 190-231 232-239 240-247 248-255	<b>STROBE</b> Close Open Strobe from Slow to Fast Open Slow Open Fast Close Open Fast Open Slow Close Open Random Strobe Open
<b>10</b>	000-255	<b>DIMMER</b> 0%→100%
<b>11</b>	000-255	<b>DIMMER FINE</b>

**10 Channels Mode:**

<b>CHANNEL</b>	<b>VALUE</b>	<b>FUNCTION</b>
<b>1</b>	000-255	<b>RED</b> 0%→100%
<b>2</b>	000-255	<b>GREEN</b> 0%→100%
<b>3</b>	000-255	<b>BLUE</b> 0%→100%
<b>4</b>	000-255	<b>WHITE</b> 0%→100%
<b>5</b>	000 001-004 005-009 010-013 014-018 019-022 023-027	<b>CTO (8000K-2500K)</b> Close 8000K 7900K 7800K 7700K 7600K 7500K

	028-031	7400K
	032-036	7300K
	037-040	7200K
	041-045	7100K
	046-049	7000K
	050-054	6900K
	055-058	6800K
	059-063	6700K
	064-067	6600K
	068-072	6500K
	073-076	6400K
	077-081	6300K
	082-085	6200K
	086-090	6100K
	091-094	6000K
	095-099	5900K
	100-103	5800K
	104-108	5700K
	109-112	5600K
	113-117	5500K
	118-121	5400K
	122-126	5300K
	127-130	5200K
	131-135	5100K
	136-139	5000K
	140-144	4900K
	145-148	4800K
	149-153	4700K
	154-157	4600K
	158-162	4500K
	163-166	4400K
	167-171	4300K
	172-175	4200K
	176-180	4100K
	181-184	4000K
	185-189	3900K
	190-193	3800K
	194-198	3700K
	199-202	3600K
	203-207	3500K
	208-211	3400K
	212-216	3300K
	217-220	3200K
	221-225	3100K

	226-229 230-234 235-238 239-243 244-247 248-255	3000K 2900K 2800K 2700K 2600K 2500K
6	000-009 010-014 015-019 020-024 025-029 030-034 035-039 040-044 045-049 050-054 055-059 060-064 065-069 070-074 075-079 080-084 085-089 090-094 095-099 100-104 105-109 110-114 115-119 120-124 125-129 130-134 135-139 140-144 145-149 150-154 155-159 160-164 165-169 170-174 175-179 180-201 202-207	<b>COLOR MACRO</b> Open LEE 790-Moroccan Pink LEE 157-Pink LEE 332-Special Rose Pink LEE 328-Follies Pink LEE 345-Fuchsia Pink LEE 194-Surprise Pink LEE 181-Congo Blue LEE 071-Tokyo Blue LEE 120-Deep Blue LEE 079-Just Blue LEE 132-Medium Blue LEE 200-Double CT Blue LEE 161-State Blue LEE 201-Full CT Blue LEE 202-Half CT Blue LEE 117-Steel Blue LEE 353-Lighter Blue LEE 118-Light Blue LEE 116-Medium Blue Green LEE 124-Dark Green LEE 139-Primary Green LEE 089-Moss Green LEE 122-Fern Green LEE 738-JAS Green LEE 088-Lime Green LEE 100-Spring Yellow LEE 104-Deep Amber LEE 179-Chrome Orange LEE 105-Orange LEE 021-Gold Amber LEE 778-Millennium Gold LEE 135-Deep Gold Amber LEE 164-Flame Red Open Clockwise Rotation, Fast to Slow Stop

	208-229 230-234 235-239 240-244 245-249 250-255	Counter-clockwise Rotation, Slow to Fast Open Random Color: Fast Random Color: Medium Random Color: Slow Open
7	000-007 008-015 016-131 132-139 140-181 182-189 190-231 232-239 240-247 248-255	<b>STROBE</b> Close Open Strobe from Slow to Fast Open Slow Open Fast Close Open Fast Open Slow Close Open Random Strobe Open
8	000-255	<b>DIMMER</b> 0%→100%
9	000-255	<b>DIMMER FINE</b>
10	000-029 030-039 040-049 050-059 060-069 070-079 080-089 090-099 100-109 110-119 120-129 130-139 140-179 180-189 190-199 200-209 210-219 220-229 230-255	<b>FUNCTION</b> Null Dimmer Curve: Linear Dimmer Curve: Square Law Dimmer Curve: Inv SQ Law Dimmer Curve: S Curve Null Null Null Led Frequency Setting Enable Led Frequency Setting Disable Null Null Null Dimmer Speed: Fast Dimmer Speed: Smooth Null Null Null Null

### 8 Channels Mode:

CHANNEL	VALUE	FUNCTION
1	000-255	<b>RED</b> 0%→100%
2	000-255	<b>RED FINE</b>
3	000-255	<b>GREEN</b> 0%→100%
4	000-255	<b>GREEN FINE</b>
5	000-255	<b>BLUE</b> 0%→100%
6	000-255	<b>BLUE FINE</b>
7	000-255	<b>WHITE</b> 0%→100%
8	000-255	<b>WHITE FINE</b>

### 4 Channels Mode:

CHANNEL	VALUE	FUNCTION
1	000-255	<b>RED</b> 0%→100%
2	000-255	<b>GREEN</b> 0%→100%
3	000-255	<b>BLUE</b> 0%→100%
4	000-255	<b>WHITE</b> 0%→100%

## 6. Error Information

### 1. LED Tem. 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.

### 2. LED Too Hot Off

When the fixture temperature reaches 82°C, it will automatically turn off to protect the fixture.

### 3. LED Timeout Use

## **7. 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 and no light**

1. Check the connect power and main fuse.
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. If you have intermittent DMX signal problems, check the pins on connectors or on PCB of the unit or the previous one.
4. Try to use another DMX controller.
5. Check 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.

## **8. Fixture Cleaning**

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

- Clean with soft cloth using normal glass cleaning fluid.
- Always dry the parts carefully.
- Clean the external optics at least every 20 days.

**Innovation, Quality, Performance**