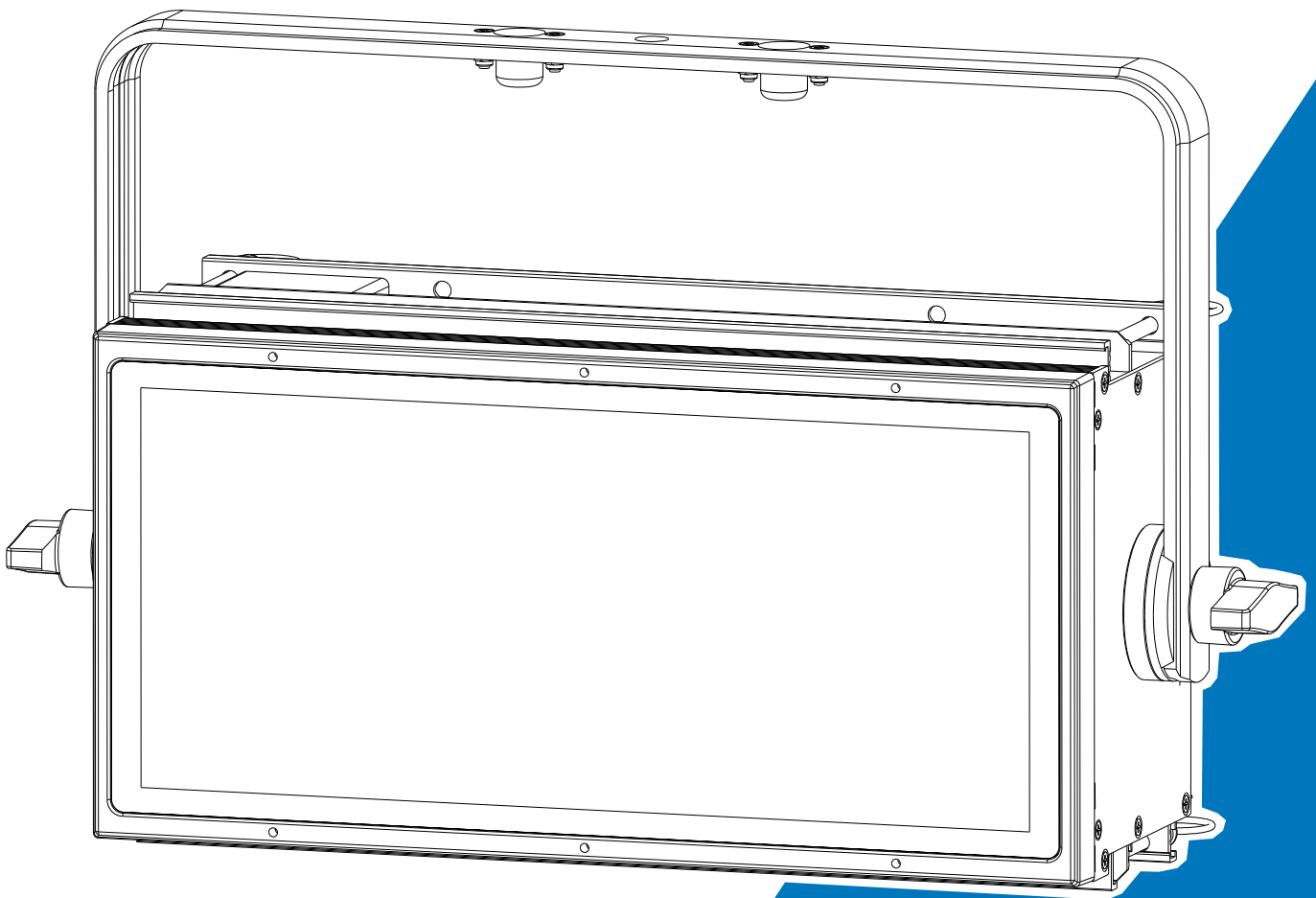


Acme®

THUNDERBREAKER



User Manual

Please read the instruction carefully before use

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01/ 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.

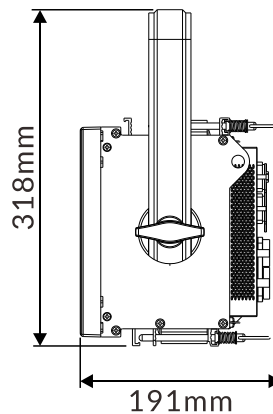
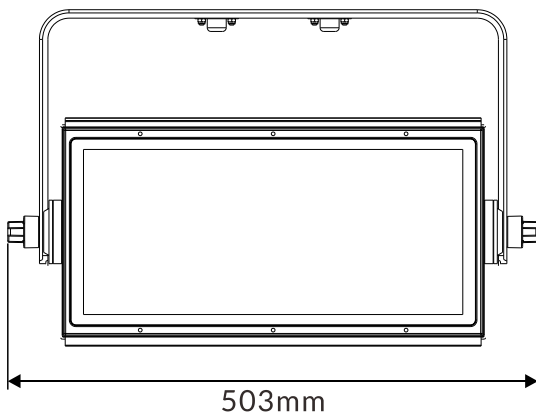
- Unpack and check carefully to ensure that there is no transportation damage before using the unit.
- This product is suitable for wet locations. Do not immerse in water.
- DO install and operate by qualified operator.
- DO NOT allow children to operate the fixture.
- Use safety chain when fixing the 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 75°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, cut

off the mains power immediately.

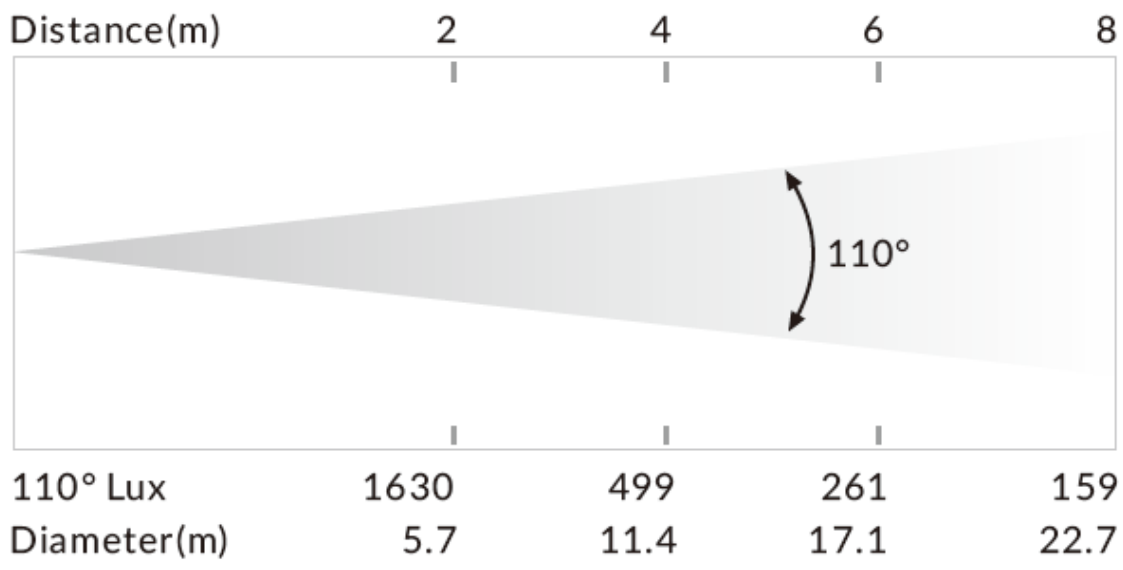
- DO NOT operate in a dirty or dusty environment. DO clean the fixture regularly.
- DO NOT touch any wire during operation as there might be a hazard of electric shock.
- Avoid entanglement of the power cord with other wires.
- The minimum distance to objects/surface must be more than 0.5 meters.
- In 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.

02/ Technical Specifications

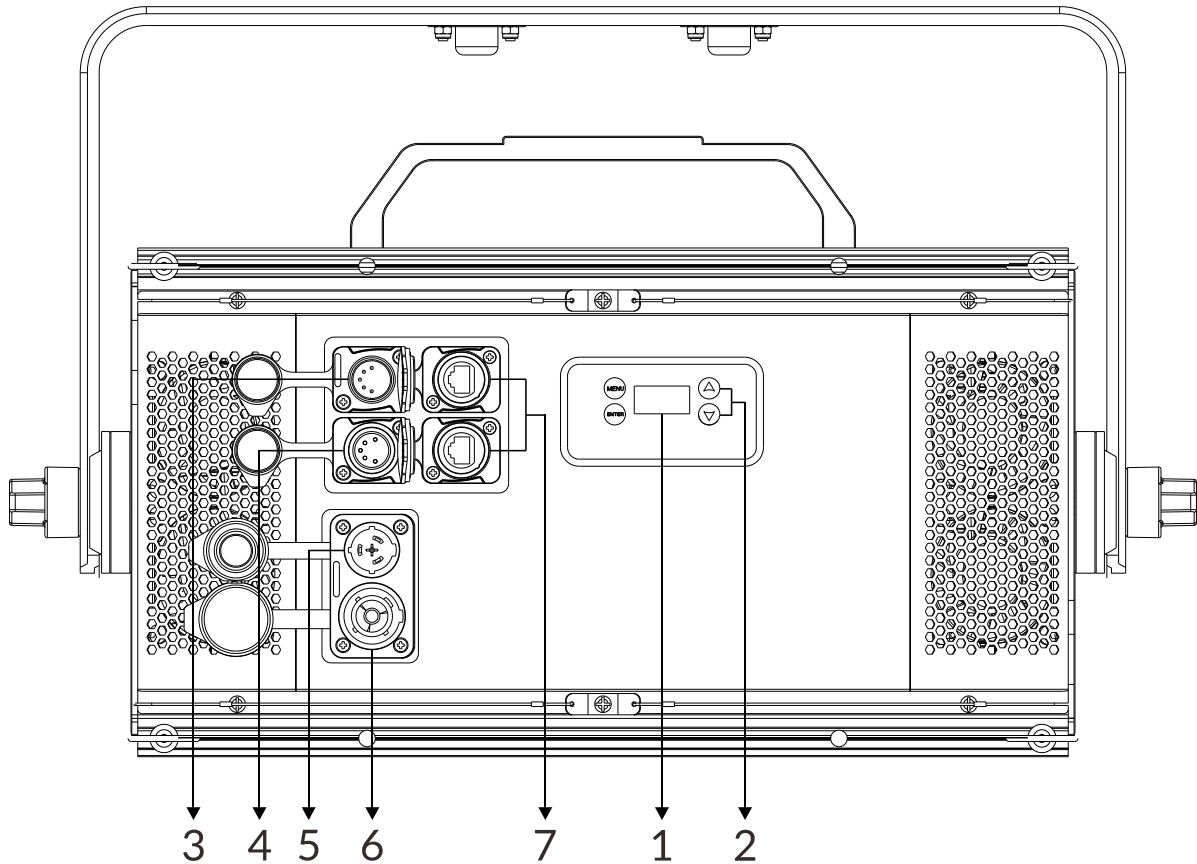
Power Voltage	100-240V~ 50/60Hz	
Power Consumption	395W	
Light Source	576x0.8W RGBW LED	
Beam Angle	110°	
Field Angle	150°	
Dimmer/Strobe	0-100% smooth dimming; High output strobe effect	
Control	DMX Channel	6+/11+/12+/13A+/13B+/17+/21A+/21B+/29+/37+/41+/53+ Channel
	Control Mode	DMX512
		RDM
		Art-Net
Firmware Upgrade	Firmware Upgrade via DMX link	
Construction	Display	OLED display
	Data In/Out	5-pin IP XLR (3-pin IP XLR is optional)
		RJ45 Connector
	Power In/Out	Waterproof Power Connector in/out
Protection Rating	IPX4	
Features	144 LED zones can be controlled individually	
	Outstanding color mixing effect	
Dimensions	503x191x318mm	19.8"x7.5"x12.5" in
Weight	10.7kgs	23.6lbs



Photometric Diagram:



03/ Control Panel



1. Display	To show the various menus and the selected function	
2. Buttons	MENU	To enter into move backward or leave the menu
	▲ UP	To go backward to move up in the menu
	▼ DOWN	To go forward to move down in the menu
	ENTER	To perform the desired functions
3. DMX IN	For DMX512 link, use 5-pin XLR cable to link the unit and DMX controller to input DMX signal (3-pin XLR cable is optional)	
4. DMX OUT	For DMX512 link, use 5-pin XLR cable to link the next units to output DMX signal (3-pin XLR cable is optional)	
5. POWER IN	To connect to supply power	
6. POWER OUT	To connect to the next fixture	
7. ETHERNET	Transfers fixture's information to a main controller	

04/ Fixture Installation

IPX4 RATED

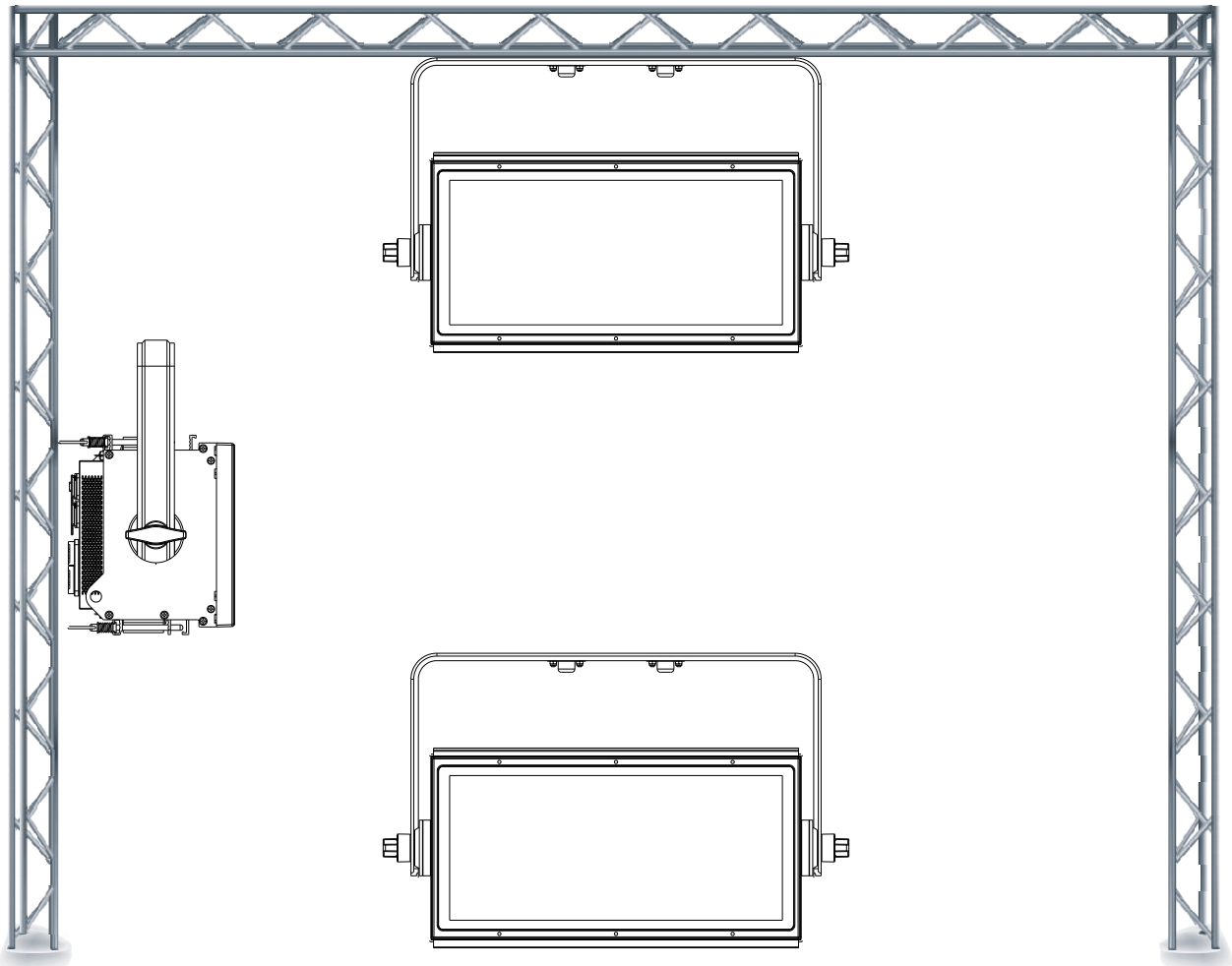
An IP rated lighting fixture is commonly installed in outdoor environments and has been designed with an enclosure that effectively protects the ingress (entry) of external foreign objects such as dust and water. The **International Protection (IP)** rating system is commonly expressed as “IP” (Ingress Protection) followed by two numbers (i.e. IP20) where the numbers define the degree of protection. The first digit (Foreign Bodies Protection) indicates the extent of protection against particles entering the fixture, and the second digit (Water Protection) indicates the extent of protection against water entering the fixture.

An IPX4 rated lighting fixture has been designed for temporary outdoor environments. It has NOT been tested to protect against the ingress of dust (X) but has been tested to protect from splash of water in any direction (4).

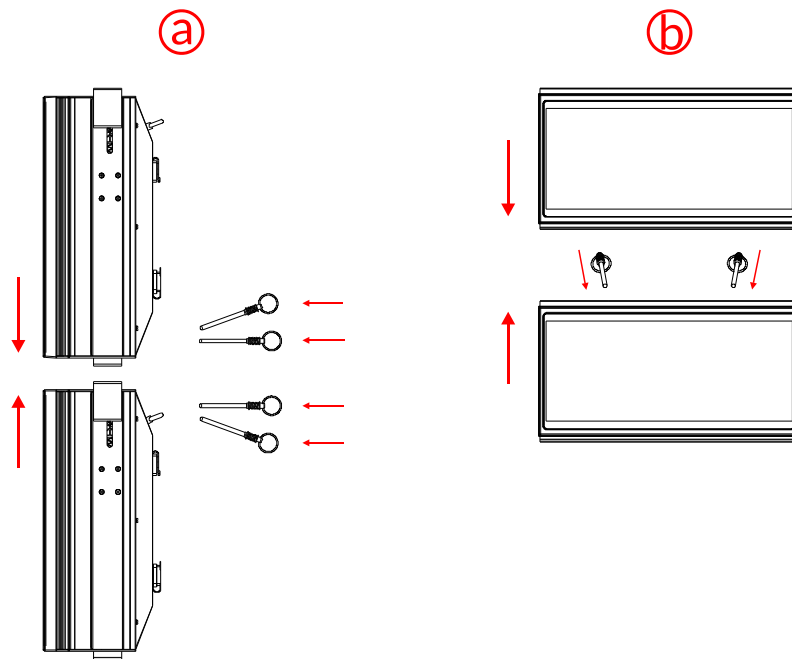
PERMANENT OUTDOOR AND/OR MARINE/COSTAL INSTALLATIONS

Please note although this fixture is IP rated, this fixture is **NOT** suitable for permanent outdoor and/or marine environment installations. Installing this fixture in permanent outdoor and/or marine environment installation may cause corrosion and/or excessive wear to the interior and/or exterior components of the fixture. Damages and/or performance issues resulting from installation in a permanent outdoor and/or marine environment installation will void the manufacturer’s warranty and will **NOT** be subject to any warranty claims and/or repairs.

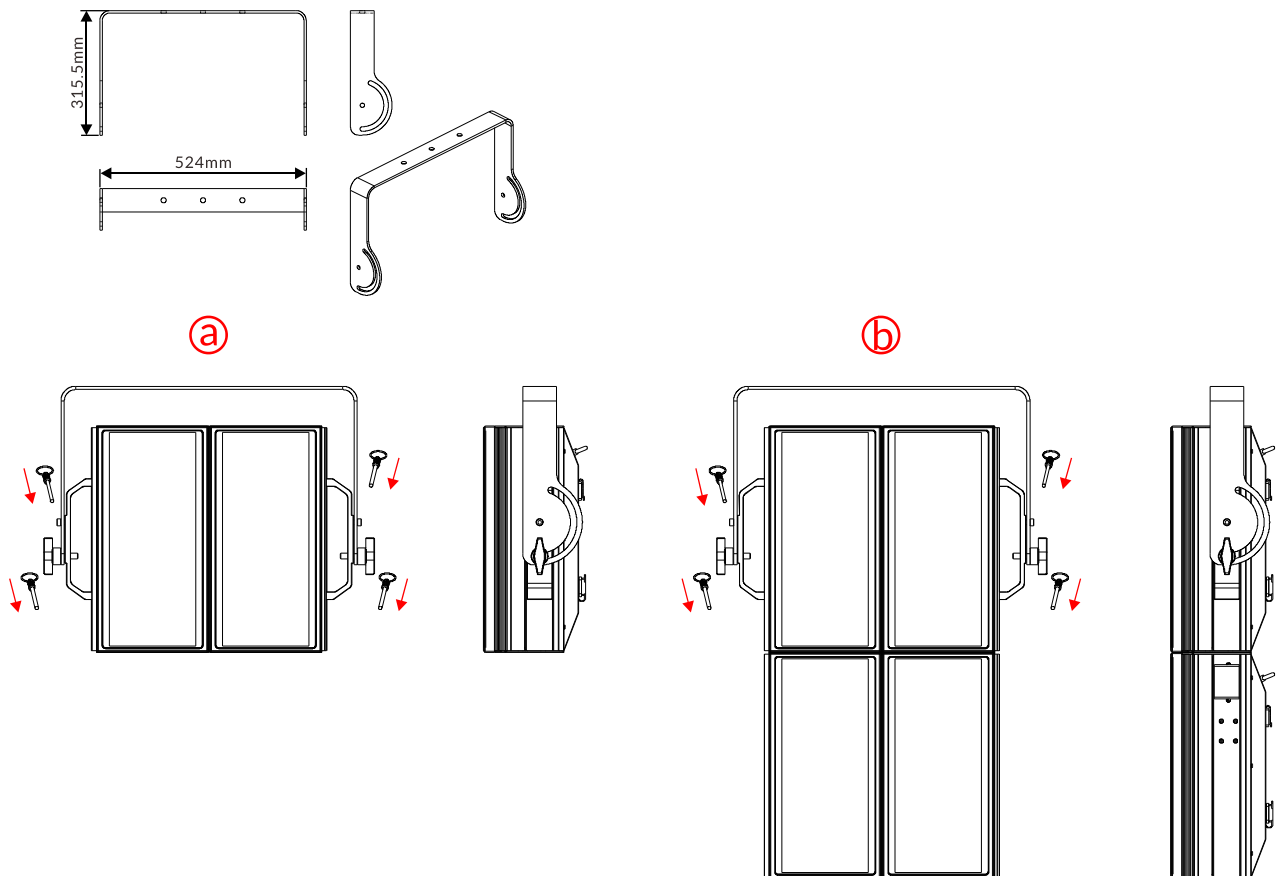
- ▶ DO install and operate by qualified operator. Fixture(s) should be installed in areas outside walking paths, seating areas, or away from areas where unauthorized personnel might reach the fixture by hand. NEVER stand directly below the fixture(s) when rigging, removing or servicing.
- ▶ Always ensure that the unit is firmly fixed to avoid vibration and slipping off during operation. Ensure that the trussing or area of installation must be able to hold 10 times the weight without any deformation. Always attach a safety cable that can hold at least 12 times the weight of the fixture whenever installing this fixture in a suspended environment to ensure that the fixture will not fall if the clamp fails.
- ▶ This fixture is fully operational in three different mounting positions: hanging on trussing, mounted sideways on trussing, or set on a flat level surface. Always use and install the supplied safety cable as a safety measure to prevent accidental damage and/or injury in the event the clamp fails.



Splicing two fixtures:

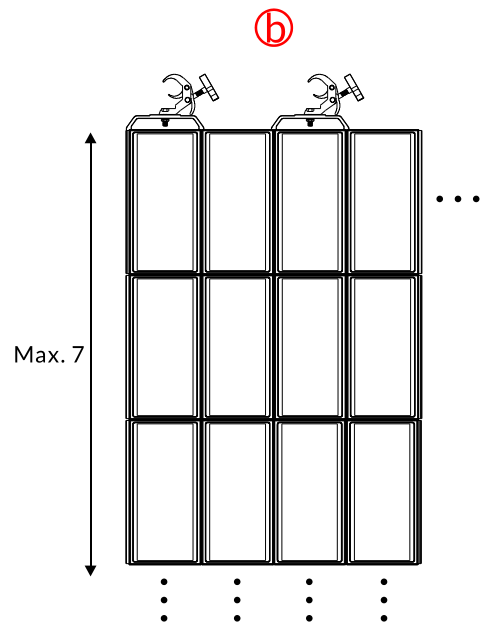
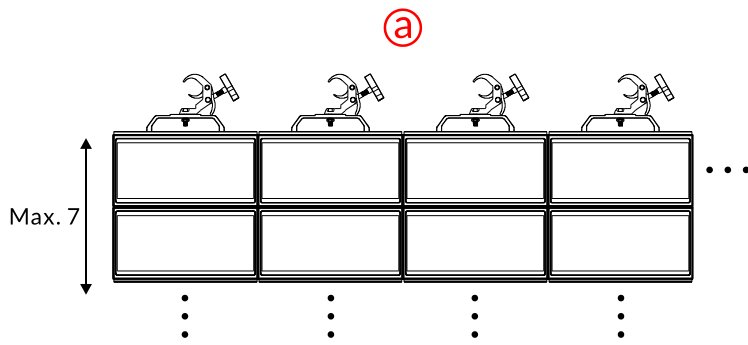


Installing the big hanging bracket (optional):



Splicing multiple fixtures:

Warning: Max. load ≤ 7 fixtures vertical.



05/ How To Set The Unit

5.1 Main Functions

- ▶ To access the control menus, press the [MENU] button.
- ▶ Navigate the menu structure, using the [ENTER], [▲ UP] and [▼ DOWN] buttons.
- ▶ To select a menu option or to confirm a selection, press the [ENTER] button.
- ▶ To return to a higher level in the menu structure without making a change, press the [MENU] button, or wait 30 seconds.

The main functions are shown below:

MENU	SUBMENU	OPTIONS		
DMX Settings	DMX Address	1-507 (6+ CH)	(Default=1)	
		1-502 (11+ CH)		
		1-501 (12+ CH)		
		1-500 (13A+ CH)		
		1-500 (13B+ CH)		
		1-496 (17+ CH)		
		1-492 (21A+ CH)		
		1-492 (21B+ CH)		
		1-484 (29+ CH)		
		1-476 (37+ CH)		
		1-472 (41+ CH)		
		1-460 (53+ CH)		
	Channel Mode	6+ Channel		
		11+ Channel		
		12+ Channel		
		13A+ Channel		
		13B+ Channel		
		17+ Channel		
		21A+ Channel		
		21B+ Channel		
29+ Channel				
37+ Channel				
41+ Channel				
53+ Channel				

MENU	SUBMENU	OPTIONS		
	No DMX Status	Blackout		
		Hold		
		Manual		
	Network	IP Address	xxx.xxx.xxx.xxx	
		Subnet Mask	xxx.xxx.xxx.xxx	
	Pixel Setting	Art-Net Setting	1. xxx.xxx.xxx.xxx	
			2. xxx.xxx.xxx.xxx	
		sACN Setting	Universe: Add	1. xxx...
			sACN Priority	0-200
		Pixel Number	144	
	36			
	Network Option	Auto		
		Art-Net		
		sACN		
Fixture Settings	Dimmer Curve	Linear		
		Square Law		
		Inv SQ Law		
		S Curve		
	Dimmer Speed	Fast		
		Smooth		
	White Balance	Red	125-255	
		Green	125-255	
		Blue	125-255	
		White	125-255	
		Red 1	125-255	
		Green 1	125-255	
		Blue 1	125-255	
		White 1	125-255	
		Red 2	125-255	
		Green 2	125-255	
		Blue 2	125-255	
		White 2	125-255	
		Red 3	125-255	
		Green 3	125-255	
Blue 3	125-255			
White 3	125-255			

MENU	SUBMENU	OPTIONS	
Display Settings	Display Invert	Off	
		On	
	Temperature Unit	°C	
		°F	
	Display Warning	Off	
		On	
	Fixture Language	English	
Chinese			
Auto Test			
Manual Test	Red	0-255	
	Green	0-255	
	Blue	0-255	
	White	0-255	
	Intensity	0-255	
	Duration	0-255	
	Rate	0-255	
Information	Fixture Use Hour		
	LED Use Hour	Total LED Hour	
		LED On Hour	
		LED Hours Reset	Password=050
	Temperature		
	Firmware Version		
	RDM UID		
	Error Logs	Fixture Errors	
Reset Error Log		Password=050	
Factory Restore	No		
	Yes		

DMX Settings

Enter the control menu and select **DMX Settings**, press ENTER. Use the UP/DOWN button to select **DMX Address**, **Channel Mode**, **No DMX Status**, **Network**, **Pixel Setting** or **Network Option**.

DMX Address

Select **DMX Address**, press ENTER.

Use UP/DOWN button to select an address, confirm your selection with ENTER.

CHANNEL MODE	DMX ADDRESS
6+ Channel	1-507
11+ Channel	1-502
12+ Channel	1-501
13A+ Channel	1-500
13B+ Channel	1-500
17+ Channel	1-496
21A+ Channel	1-492
21B+ Channel	1-492
29+ Channel	1-484
37+ Channel	1-476
41+ Channel	1-472
53+ Channel	1-460

To exit the menu, press MENU, or wait 30 seconds.

Channel Mode

Select **Channel Mode**, press ENTER.

Use UP/DOWN button to select between **6+ Channel**, **11+ Channel**, **12+ Channel**, **13A+ Channel**, **13B+ Channel**, **17+ Channel**, **21A+ Channel**, **21B+ Channel**, **29+ Channel**, **37+ Channel**, **41+ Channel** and **53+ Channel**, confirm your selection with ENTER.

To exit the menu, press MENU, or wait 30 seconds.

No DMX Status

Select **No DMX Status**, press ENTER.

Use UP/DOWN button to select one of the following status:

Blackout (Fixture blacks out if DMX signal stops)

Hold (The device continues to operate in the current mode with the last active DMX values until the signal returns)

Manual (The device accepts the DMX value stored in the 'Manual Test' menu)

Confirm your selection with ENTER.

To exit the menu, press MENU, or wait 30 seconds.

Network

Select **Network**, press ENTER.

Use UP/DOWN button to select **IP Address** or **Subnet Mask**, confirm your selection with ENTER.

To exit the menu, press MENU, or wait 30 seconds.

Pixel Setting

Select **Pixel Setting**, press ENTER.

Use UP/DOWN button to select **Art-Net Setting**, **sACN Setting** or **Pixel Number**, confirm your selection with ENTER.

To exit the menu, press MENU, or wait 30 seconds.

Network Option

Select **Network Option**, press ENTER.

Use UP/DOWN button to select **Auto**, **Art-Net** or **sACN**, confirm your selection with ENTER.

To exit the menu, press MENU, or wait 30 seconds.

Fixture Settings

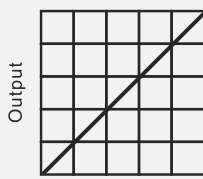
Enter the control menu and select **Fixture Settings**, press ENTER. Use the UP/DOWN button to select **Dimmer Curve**, **Dimmer Speed** or **White Balance**.

Dimmer Curve

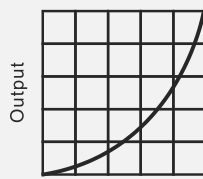
Select **Dimmer Curve**, press ENTER.

Use UP/DOWN button to select **Linear**, **Square Law**, **Inv SQ Law** or **S Curve**, confirm your selection with ENTER.

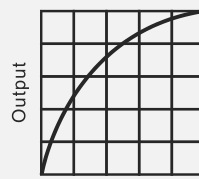
Dimmer Modes



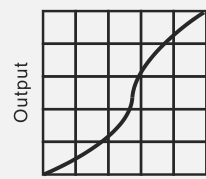
Optically Linear



Square Law



Inverse Square Law



S-curve

To exit the menu, press MENU, or wait 30 seconds.

Dimmer Speed

Select **Dimmer Speed**, press ENTER.

Use UP/DOWN button to select **Fast** or **Smooth**, confirm your selection with ENTER.

To exit the menu, press MENU, or wait 30 seconds.

White Balance

Select **White Balance**, press ENTER.

Use UP/DOWN button to select **Red**, **Green**, **Blue**, **White**, **Red 1**, **Green 1**, **Blue 1**, **White 1**, **Red 2**, **Green 2**, **Blue 2**, **White 2** or **Red 3**, **Green 3**, **Blue 3**, **White 3**, confirm your selection with ENTER.

Use UP/DOWN button to select a value between **125** and **255**, confirm your selection with ENTER.

To exit the menu, press MENU, or wait 30 seconds.

Display Settings

Enter the control menu and select **Display Settings**, press ENTER. Use the UP/DOWN button to select **Display Invert**, **Temperature Unit**, **Display Warning** or **Fixture Language**.

Display Invert

Select **Display Invert**, press ENTER.

Use UP/DOWN button to select **Off** (display normal) or **On** (display inverted), confirm your selection with ENTER.

To exit the menu, press MENU, or wait 30 seconds.

Temperature Unit

Select **Temperature Unit**, press ENTER.

Use UP/DOWN button to select **°C** or **°F**, confirm your selection with ENTER.

To exit the menu, press MENU, or wait 30 seconds.

Display Warning

Select **Display Warning**, press ENTER.

Use UP/DOWN button to select **Off** or **On**, confirm your selection with ENTER.

To exit the menu, press MENU, or wait 30 seconds.

Fixture Language

Select **Fixture Language**, press ENTER.

Use UP/DOWN button to select **English** or **Chinese**, confirm your selection with ENTER.

To exit the menu, press MENU, or wait 30 seconds.

Auto Test

Select **Auto Test**, press ENTER.

The device immediately performs an automatic self-test.

To end the automatic self-test and exit the menu, press MENU, or wait 30 seconds.

Manual Test

Select **Manual Test**, press ENTER.

Use UP/DOWN button to select the channel for which the manual test is to be performed, confirm your selection with ENTER.

Use UP/DOWN button to select a value, confirm your selection with ENTER.

To exit the menu, press MENU, or wait 30 seconds.

(The device returns to its original DMX state after the manual test. The test values are saved automatically when the device is switched off.)

Information

Enter the control menu and select **Information**, press ENTER. Use the UP/DOWN button to select **Fixture Use Hour**, **LED Use Hour**, **Temperature**, **Firmware Version**, **RDM UID** or **Error Logs**.

Fixture Use Hour

Select **Fixture Use Hour**, press ENTER.

The operating hours is displayed.

To exit the menu, press MENU, or wait 30 seconds.

LED Use Hour

Select **LED Use Hour**, press ENTER.

Use UP/DOWN button to select **Total LED Hour** (total time) or **LED On Hour** (current switch-on time), confirm your selection with ENTER.

The total time or current switch-on time is displayed.

Use UP/DOWN button to select **LED Hours Reset**, confirm your selection with ENTER.

Use UP/DOWN button to set the password 050, confirm your selection with ENTER. The LED operating hours is reset.

To exit the menu, press MENU, or wait 30 seconds.

Temperature

Select **Temperature**, press ENTER.

The device temperature is displayed.

To exit the menu, press MENU, or wait 30 seconds.

Firmware Version

Select **Firmware Version**, press ENTER.

The firmware version is displayed.

To exit the menu, press MENU, or wait 30 seconds.

RDM UID

Select **RDM UID**, press ENTER.

The RDM UID is displayed.

To exit the menu, press MENU, or wait 30 seconds.

Error Logs

Select **Error Logs**, press ENTER.

Use UP/DOWN button to select **Fixture Errors**, confirm your selection with ENTER.

The error list is displayed.

Use UP/DOWN button to select **Reset Error Log**, confirm your selection with ENTER.

Use UP/DOWN button to set the password 050, confirm your selection with ENTER. The relevant error logs are reset.

To exit the menu, press MENU, or wait 30 seconds.

Factory Restore

Select **Factory Restore**, press ENTER.

If you wish to reset the device to the factory settings, select **Yes**. If you do not wish to reset anything, select **No**. Confirm your selection with ENTER.

To exit the menu, press MENU, or wait 30 seconds.

RDM functions: Certain menus of the device and functions can be called up via the RDM protocol.

The parameter IDs are implemented as follows for different commands:

Parameter ID	Command 'Discovery'	Command 'Set'	Command 'Get'
DISC_UNIQUE_BRANCH	✓		
DISC_MUTE	✓		
DISC_UN_MUTE	✓		
DEVICE_INFO			✓
SUPPORTED_PARAMETERS			✓
SOFTWARE_VERSION_LABEL			✓
DMX_START_ADDRESS		✓	✓
IDENTIFY_DEVICE		✓	✓
DEVICE_MODEL_DESCRIPTION			✓
PARAMETER_DESCRIPTION			✓
MANUFACTURER_LABEL			✓
DEVICE_LABEL		✓	✓
BOOT_SOFTWARE_VERSION_ID			✓
BOOT_SOFTWARE_VERSION_LABEL			✓
DMX_PERSONALITY		✓	✓
DMX_PERSONALITY_DESCRIPTION			✓
SLOT_INFO			✓
SLOT_DESCRIPTION			✓
SENSOR_DEFINITION			✓
SENSOR_VALUE			✓
DEVICE_HOURS			✓
RESET_DEVICE		✓	

✓ -Command implemented for the respective parameter ID

5.2 Home Position Adjustment

- ▶ To access the control menus, press the [MENU] button.
- ▶ To access the offset menus, long-press the [ENTER] button.
- ▶ Navigate the offset menus, using the [ENTER], [▲ UP] and [▼ DOWN] buttons.
- ▶ To select a menu option or to confirm a selection, press the [ENTER] button.
- ▶ To return to a higher level in the menu structure without making a change, press the [MENU] button, or wait 30 seconds.

OFFSET MENU	VALUES
Red 1	0~255
Green 1	0~255
Blue 1	0~255
White 1	0~255
Red 2	0~255
Green 2	0~255
Blue 2	0~255
White 2	0~255
Red 3	0~255
Green 3	0~255
Blue 3	0~255
White 3	0~255

Red 1

Select **Red 1**, press ENTER.

Use UP/DOWN button to select a value between 0 and 255, confirm your selection with ENTER.

To exit the offset menu, press MENU, or wait 30 seconds.

Green 1

Select **Green 1**, press ENTER.

Use UP/DOWN button to select a value between 0 and 255, confirm your selection with ENTER.

To exit the offset menu, press MENU, or wait 30 seconds.

Blue 1

Select **Blue 1**, press ENTER.

Use UP/DOWN button to select a value between 0 and 255, confirm your selection with ENTER.

To exit the offset menu, press MENU, or wait 30 seconds.

White 1

Select **White 1**, press ENTER.

Use UP/DOWN button to select a value between 0 and 255, confirm your selection with ENTER.

To exit the offset menu, press MENU, or wait 30 seconds.

Red 2

Select **Red 2**, press ENTER.

Use UP/DOWN button to select a value between 0 and 255, confirm your selection with ENTER.

To exit the offset menu, press MENU, or wait 30 seconds.

Green 2

Select **Green 2**, press ENTER.

Use UP/DOWN button to select a value between 0 and 255, confirm your selection with ENTER.

To exit the offset menu, press MENU, or wait 30 seconds.

Blue 2

Select **Blue 2**, press ENTER.

Use UP/DOWN button to select a value between 0 and 255, confirm your selection with ENTER.

To exit the offset menu, press MENU, or wait 30 seconds.

White 2

Select **White 2**, press ENTER.

Use UP/DOWN button to select a value between 0 and 255, confirm your selection with ENTER.

To exit the offset menu, press MENU, or wait 30 seconds.

Red 3

Select **Red 3**, press ENTER.

Use UP/DOWN button to select a value between 0 and 255, confirm your selection with ENTER.

To exit the offset menu, press MENU, or wait 30 seconds.

Green 3

Select **Green 3**, press ENTER.

Use UP/DOWN button to select a value between 0 and 255, confirm your selection with ENTER.

To exit the offset menu, press MENU, or wait 30 seconds.

Blue 3

Select **Blue 3**, press ENTER.

Use UP/DOWN button to select a value between 0 and 255, confirm your selection with ENTER.

To exit the offset menu, press MENU, or wait 30 seconds.

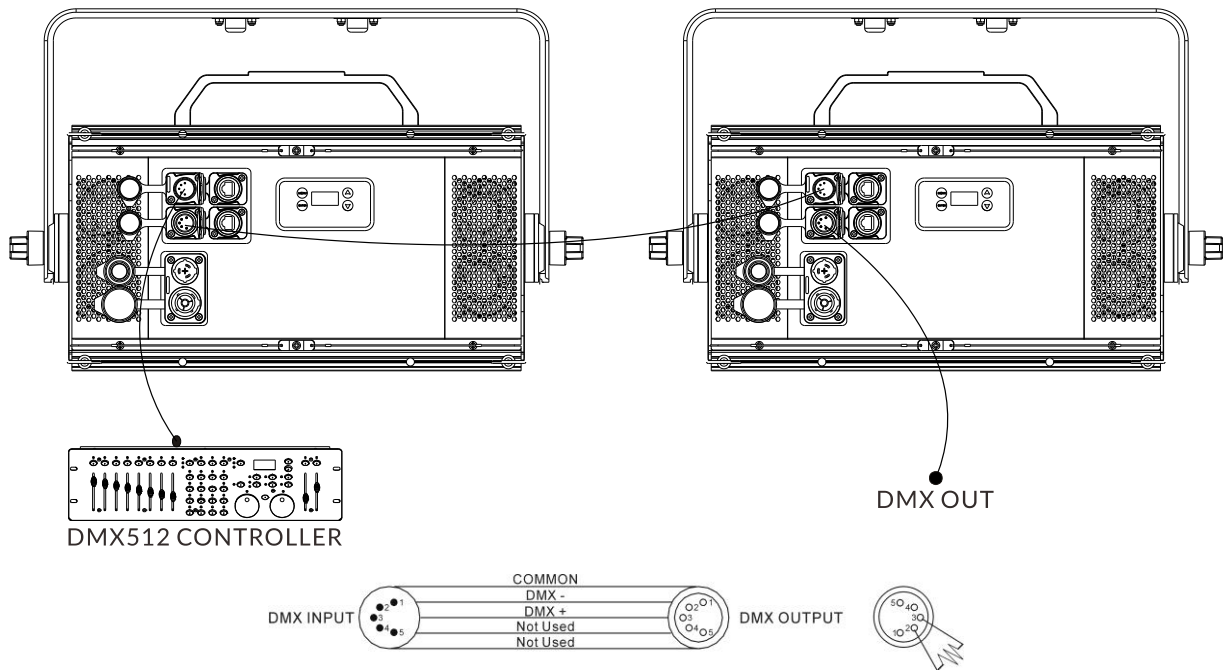
White 3

Select **White 3**, press ENTER.

Use UP/DOWN button to select a value between 0 and 255, confirm your selection with ENTER.

To exit the offset menu, press MENU, or wait 30 seconds.

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 can only be used in series and cannot be connected in parallel. 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.

6.2 Address Setting

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

Press the MENU button to access the control menus, 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 show on the display. Use the UP/DOWN button to adjust the address between 001 and 512, press the ENTER button to store. To exit the menu, press MENU, or wait 30 seconds.

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
6+ Channel	1	7	13	19
11+ Channel	1	12	23	34
12+ Channel	1	13	25	37
13A+ Channel	1	14	27	40
13B+ Channel	1	14	27	40
17+ Channel	1	18	35	52
21A+ Channel	1	22	43	64
21B+ Channel	1	22	43	64
29+ Channel	1	30	59	88
37+ Channel	1	38	75	112
41+ Channel	1	42	83	124
53+ Channel	1	54	107	160

6.3 DMX512 Configuration

Please control the fixture by referring to the configurations below.

Attentions:

- ▶ The unit will maintain the last condition until reset if you cut-off the DMX signal.
- ▶ For the channel Function, keep the value for about 3 seconds, then the corresponding function will take into effect.

6+ Channel (Mode 1):

CHANNEL	VALUE	FUNCTION
1	000-255	RED 0%→100%
2	000-255	GREEN 0%→100%
3	000-255	BLUE 0%→100%
4	000-255	WHITE 0%→100%
5	000-255	DIMMER 0%→100%
6	000-127 128-255	CONTROL MODE Controlled by Art-Net / sACN Controlled by DMX

11+ Channel (Mode 2):

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

9	000-255	DIMMER 0%→100%
10	000-255	DIMMER FINE
11	000-127 128-255	CONTROL MODE Controlled by Art-Net / sACN Controlled by DMX

12+ Channel (Mode 3):

CHANNEL	VALUE	FUNCTION
1	000-255	RED 0%→100%
2	000-255	GREEN 0%→100%
3	000-255	BLUE 0%→100%
4	000-255	WHITE 0%→100%
5	000-008	COLOR MACRO Null
	009-014	Color 1
	015-021	Color 2
	022-028	Color 3
	029-035	Color 4
	036-042	Color 5
	043-049	Color 6
	050-056	Color 7
	057-063	Color 8
	064-070	Color 9
	071-077	Color 10
	078-084	Color 11
	085-091	Color 12
	092-098	Color 13
	099-105	Color 14
	106-112	Color 15
	113-119	Color 16
	120-126	Color 17
	127-133	Color 18
	134-140	Color 19
	141-147	Color 20
	148-154	Color 21
	155-161	Color 22
	162-168	Color 23
	169-175	Color 24
176-182	Color 25	

	183-189 190-196 197-203 204-210 211-217 218-224 225-231 232-235 236-239 240-243 244-247 248-251 252-255	Color 26 Color 27 Color 28 Color 29 Color 30 Color 31 Color 32 Color 1-32: Slow Color 1-32: Medium Color 1-32: Fast Random Color: Slow Random Color: Medium Random Color: Fast
6	000 001-004 005-009 010-013 014-018 019-022 023-027 028-031 032-036 037-040 041-045 046-049 050-054 055-058 059-063 064-067 068-072 073-076 077-081 082-085 086-090 091-094 095-099 100-103 104-108 109-112 113-117 118-121 122-126 127-130 131-135 136-139 140-144	CTO (8000K-2500K) Null 8000K 7900K 7800K 7700K 7600K 7500K 7400K 7300K 7200K 7100K 7000K 6900K 6800K 6700K 6600K 6500K 6400K 6300K 6200K 6100K 6000K 5900K 5800K 5700K 5600K 5500K 5400K 5300K 5200K 5100K 5000K 4900K

	145-148 149-153 154-157 158-162 163-166 167-171 172-175 176-180 181-184 185-189 190-193 194-198 199-202 203-207 208-211 212-216 217-220 221-225 226-229 230-234 235-238 239-243 244-247 248-255	4800K 4700K 4600K 4500K 4400K 4300K 4200K 4100K 4000K 3900K 3800K 3700K 3600K 3500K 3400K 3300K 3200K 3100K 3000K 2900K 2800K 2700K 2600K 2500K
7	000-255	DIMMER 0%→100%
8	000-255	STROBE DURATION 0%→100%
9	000-005 006-255	STROBE RATE Blackout Strobe from Slow to Fast
10	000-007 008-015 016-023 024-031 032-039 040-047 048-055 056-063 064-071 072-079 080-087 088-095 096-103 104-111 112-119	MACRO Null Macro 1 Macro 2 Macro 3 Macro 4 Macro 5 Macro 6 Macro 7 Macro 8 Macro 9 Macro 10 Macro 11 Macro 12 Macro 13 Macro 14

	120-127 128-135 136-143 144-151 152-159 160-167 168-175 176-183 184-191 192-199 200-207 208-215 216-223 224-231 232-239 240-247 248-255	Macro 15 Macro 16 Macro 17 Macro 18 Macro 19 Macro 20 Macro 21 Macro 22 Macro 23 Macro 24 Macro 25 Macro 26 Macro 27 Macro 28 Macro 29 Macro 30 Macro 31
11	000-127 128-255	MACRO SPEED Normal, Slow to Fast Inversion, Slow to Fast
12	000-127 128-255	CONTROL MODE Controlled by Art-Net / sACN Controlled by DMX

13A+ Channel (Mode 4):

CHANNEL	VALUE	FUNCTION
1	000-255	RED 1 0%→100%
2	000-255	GREEN 1 0%→100%
3	000-255	BLUE 1 0%→100%
4	000-255	WHITE 1 0%→100%
5	000-255	RED 2 0%→100%
6	000-255	GREEN 2 0%→100%
7	000-255	BLUE 2 0%→100%
8	000-255	WHITE 2 0%→100%
9	000-255	DIMMER 0%→100%

10	000-255	STROBE DURATION 0%→100%
11	000-005 006-255	STROBE RATE Blackout Strobe from Slow to Fast
12	000-005 006-050 051-100 101-150 151-199 200-255	STROBE EFFECT Null Ramp up Ramp down Ramp up-down Lightning Random
13	000-127 128-255	CONTROL MODE Controlled by Art-Net / sACN Controlled by DMX

13B+ Channel (Mode 5):

CHANNEL	VALUE	FUNCTION
1	000-255	RED 1 0%→100%
2	000-255	GREEN 1 0%→100%
3	000-255	BLUE 1 0%→100%
4	000-255	WHITE 1 0%→100%
5	000-255	RED 2 0%→100%
6	000-255	GREEN 2 0%→100%
7	000-255	BLUE 2 0%→100%
8	000-255	WHITE 2 0%→100%
9	000-255	DIMMER 0%→100%
10	000-255	STROBE DURATION 0%→100%
11	000-005 006-255	STROBE RATE Blackout Strobe from Slow to Fast
12	000-005	STROBE EFFECT Null

	006-050 051-100 101-150 151-199 200-255	Ramp up Ramp down Ramp up-down Lightning Random
13	000-127 128-255	CONTROL MODE Controlled by Art-Net / sACN Controlled by DMX

17+ Channel (Mode 6):

CHANNEL	VALUE	FUNCTION
1	000-255	RED 1 0%→100%
2	000-255	GREEN 1 0%→100%
3	000-255	BLUE 1 0%→100%
4	000-255	WHITE 1 0%→100%
5	000-255	RED 2 0%→100%
6	000-255	GREEN 2 0%→100%
7	000-255	BLUE 2 0%→100%
8	000-255	WHITE 2 0%→100%
9	000-255	RED 3 0%→100%
10	000-255	GREEN 3 0%→100%
11	000-255	BLUE 3 0%→100%
12	000-255	WHITE 3 0%→100%
13	000-255	DIMMER 0%→100%
14	000-255	STROBE DURATION 0%→100%
15	000-005 006-255	STROBE RATE Blackout Strobe from Slow to Fast
16		STROBE EFFECT

	000-005 006-050 051-100 101-150 151-199 200-255	Null Ramp up Ramp down Ramp up-down Lightning Random
17	000-127 128-255	CONTROL MODE Controlled by Art-Net / sACN Controlled by DMX

21A+ Channel (Mode 7):

CHANNEL	VALUE	FUNCTION
1	000-255	RED 1 0%→100%
2	000-255	GREEN 1 0%→100%
3	000-255	BLUE 1 0%→100%
4	000-255	WHITE 1 0%→100%
5	000-255	RED 2 0%→100%
6	000-255	GREEN 2 0%→100%
7	000-255	BLUE 2 0%→100%
8	000-255	WHITE 2 0%→100%
9	000-255	RED 3 0%→100%
10	000-255	GREEN 3 0%→100%
11	000-255	BLUE 3 0%→100%
12	000-255	WHITE 3 0%→100%
13	000-255	RED 4 0%→100%
14	000-255	GREEN 4 0%→100%
15	000-255	BLUE 4 0%→100%
16		WHITE 4

	000-255	0%→100%
17	000-255	DIMMER 0%→100%
18	000-255	STROBE DURATION 0%→100%
19	000-005 006-255	STROBE RATE Blackout Strobe from Slow to Fast
20	000-005 006-050 051-100 101-150 151-199 200-255	STROBE EFFECT Null Ramp up Ramp down Ramp up-down Lightning Random
21	000-127 128-255	CONTROL MODE Controlled by Art-Net / sACN Controlled by DMX

21B+ Channel (Mode 8):

CHANNEL	VALUE	FUNCTION
1	000-255	RED 1 0%→100%
2	000-255	GREEN 1 0%→100%
3	000-255	BLUE 1 0%→100%
4	000-255	WHITE 1 0%→100%
5	000-255	RED 2 0%→100%
6	000-255	GREEN 2 0%→100%
7	000-255	BLUE 2 0%→100%
8	000-255	WHITE 2 0%→100%
9	000-255	RED 3 0%→100%
10	000-255	GREEN 3 0%→100%
11	000-255	BLUE 3 0%→100%

12	000-255	WHITE 3 0%→100%
13	000-255	RED 4 0%→100%
14	000-255	GREEN 4 0%→100%
15	000-255	BLUE 4 0%→100%
16	000-255	WHITE 4 0%→100%
17	000-255	DIMMER 0%→100%
18	000-255	STROBE DURATION 0%→100%
19	000-005 006-255	STROBE RATE Blackout Strobe from Slow to Fast
20	000-005 006-050 051-100 101-150 151-199 200-255	STROBE EFFECT Null Ramp up Ramp down Ramp up-down Lightning Random
21	000-127 128-255	CONTROL MODE Controlled by Art-Net / sACN Controlled by DMX

29+ Channel (Mode 9):

CHANNEL	VALUE	FUNCTION
1	000-255	RED 1 0%→100%
2	000-255	GREEN 1 0%→100%
3	000-255	BLUE 1 0%→100%
4	000-255	WHITE 1 0%→100%
5	000-255	RED 2 0%→100%
6	000-255	GREEN 2 0%→100%
7		BLUE 2

	000-255	0%→100%
8	000-255	WHITE 2 0%→100%
9	000-255	RED 3 0%→100%
10	000-255	GREEN 3 0%→100%
11	000-255	BLUE 3 0%→100%
12	000-255	WHITE 3 0%→100%
13	000-255	RED 4 0%→100%
14	000-255	GREEN 4 0%→100%
15	000-255	BLUE 4 0%→100%
16	000-255	WHITE 4 0%→100%
17	000-255	RED 5 0%→100%
18	000-255	GREEN 5 0%→100%
19	000-255	BLUE 5 0%→100%
20	000-255	WHITE 5 0%→100%
21	000-255	RED 6 0%→100%
22	000-255	GREEN 6 0%→100%
23	000-255	BLUE 6 0%→100%
24	000-255	WHITE 6 0%→100%
25	000-255	DIMMER 0%→100%
26	000-255	STROBE DURATION 0%→100%
27	000-005 006-255	STROBE RATE Blackout Strobe from Slow to Fast
28	000-005	STROBE EFFECT Null

	006-050 051-100 101-150 151-199 200-255	Ramp up Ramp down Ramp up-down Lightning Random
29	000-127 128-255	CONTROL MODE Controlled by Art-Net / sACN Controlled by DMX

37+ Channel (Mode 10):

CHANNEL	VALUE	FUNCTION
1	000-255	RED 1 0%→100%
2	000-255	GREEN 1 0%→100%
3	000-255	BLUE 1 0%→100%
4	000-255	WHITE 1 0%→100%
5	000-255	RED 2 0%→100%
6	000-255	GREEN 2 0%→100%
7	000-255	BLUE 2 0%→100%
8	000-255	WHITE 2 0%→100%
9	000-255	RED 3 0%→100%
10	000-255	GREEN 3 0%→100%
11	000-255	BLUE 3 0%→100%
12	000-255	WHITE 3 0%→100%
13	000-255	RED 4 0%→100%
14	000-255	GREEN 4 0%→100%
15	000-255	BLUE 4 0%→100%
16	000-255	WHITE 4 0%→100%

17	000-255	RED 5 0%→100%
18	000-255	GREEN 5 0%→100%
19	000-255	BLUE 5 0%→100%
20	000-255	WHITE 5 0%→100%
21	000-255	RED 6 0%→100%
22	000-255	GREEN 6 0%→100%
23	000-255	BLUE 6 0%→100%
24	000-255	WHITE 6 0%→100%
25	000-255	RED 7 0%→100%
26	000-255	GREEN 7 0%→100%
27	000-255	BLUE 7 0%→100%
28	000-255	WHITE 7 0%→100%
29	000-255	RED 8 0%→100%
30	000-255	GREEN 8 0%→100%
31	000-255	BLUE 8 0%→100%
32	000-255	WHITE 8 0%→100%
33	000-255	DIMMER 0%→100%
34	000-255	STROBE DURATION 0%→100%
35	000-005 006-255	STROBE RATE Blackout Strobe from Slow to Fast
36	000-005 006-050 051-100 101-150	STROBE EFFECT Null Ramp up Ramp down Ramp up-down

	151-199 200-255	Lightning Random
37	000-127 128-255	CONTROL MODE Controlled by Art-Net / sACN Controlled by DMX

41+ Channel (Mode 11):

CHANNEL	VALUE	FUNCTION
1	000-255	RED 1 0%→100%
2	000-255	GREEN 1 0%→100%
3	000-255	BLUE 1 0%→100%
4	000-255	WHITE 1 0%→100%
5	000-255	RED 2 0%→100%
6	000-255	GREEN 2 0%→100%
7	000-255	BLUE 2 0%→100%
8	000-255	WHITE 2 0%→100%
9	000-255	RED 3 0%→100%
10	000-255	GREEN 3 0%→100%
11	000-255	BLUE 3 0%→100%
12	000-255	WHITE 3 0%→100%
13	000-255	RED 4 0%→100%
14	000-255	GREEN 4 0%→100%
15	000-255	BLUE 4 0%→100%
16	000-255	WHITE 4 0%→100%
17	000-255	RED 5 0%→100%

18	000-255	GREEN 5 0%→100%
19	000-255	BLUE 5 0%→100%
20	000-255	WHITE 5 0%→100%
21	000-255	RED 6 0%→100%
22	000-255	GREEN 6 0%→100%
23	000-255	BLUE 6 0%→100%
24	000-255	WHITE 6 0%→100%
25	000-255	RED 7 0%→100%
26	000-255	GREEN 7 0%→100%
27	000-255	BLUE 7 0%→100%
28	000-255	WHITE 7 0%→100%
29	000-255	RED 8 0%→100%
30	000-255	GREEN 8 0%→100%
31	000-255	BLUE 8 0%→100%
32	000-255	WHITE 8 0%→100%
33	000-255	RED 9 0%→100%
34	000-255	GREEN 9 0%→100%
35	000-255	BLUE 9 0%→100%
36	000-255	WHITE 9 0%→100%
37	000-255	DIMMER 0%→100%
38	000-255	STROBE DURATION 0%→100%
39	000-005	STROBE RATE Blackout

	006-255	Strobe from Slow to Fast
40	000-005 006-050 051-100 101-150 151-199 200-255	STROBE EFFECT Null Ramp up Ramp down Ramp up-down Lightning Random
41	000-127 128-255	CONTROL MODE Controlled by Art-Net / sACN Controlled by DMX

53+ Channel (Mode 12):

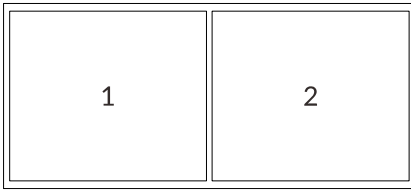
CHANNEL	VALUE	FUNCTION
1	000-255	RED 1 0%→100%
2	000-255	GREEN 1 0%→100%
3	000-255	BLUE 1 0%→100%
4	000-255	WHITE 1 0%→100%
5	000-255	RED 2 0%→100%
6	000-255	GREEN 2 0%→100%
7	000-255	BLUE 2 0%→100%
8	000-255	WHITE 2 0%→100%
9	000-255	RED 3 0%→100%
10	000-255	GREEN 3 0%→100%
11	000-255	BLUE 3 0%→100%
12	000-255	WHITE 3 0%→100%
13	000-255	RED 4 0%→100%
14	000-255	GREEN 4 0%→100%

15	000-255	BLUE 4 0%→100%
16	000-255	WHITE 4 0%→100%
17	000-255	RED 5 0%→100%
18	000-255	GREEN 5 0%→100%
19	000-255	BLUE 5 0%→100%
20	000-255	WHITE 5 0%→100%
21	000-255	RED 6 0%→100%
22	000-255	GREEN 6 0%→100%
23	000-255	BLUE 6 0%→100%
24	000-255	WHITE 6 0%→100%
25	000-255	RED 7 0%→100%
26	000-255	GREEN 7 0%→100%
27	000-255	BLUE 7 0%→100%
28	000-255	WHITE 7 0%→100%
29	000-255	RED 8 0%→100%
30	000-255	GREEN 8 0%→100%
31	000-255	BLUE 8 0%→100%
32	000-255	WHITE 8 0%→100%
33	000-255	RED 9 0%→100%
34	000-255	GREEN 9 0%→100%
35	000-255	BLUE 9 0%→100%
36	000-255	WHITE 9 0%→100%

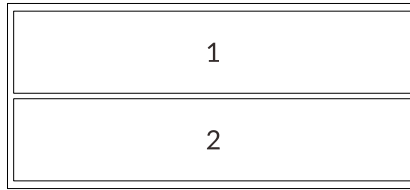
37	000-255	RED 10 0%→100%
38	000-255	GREEN 10 0%→100%
39	000-255	BLUE 10 0%→100%
40	000-255	WHITE 10 0%→100%
41	000-255	RED 11 0%→100%
42	000-255	GREEN 11 0%→100%
43	000-255	BLUE 11 0%→100%
44	000-255	WHITE 11 0%→100%
45	000-255	RED 12 0%→100%
46	000-255	GREEN 12 0%→100%
47	000-255	BLUE 12 0%→100%
48	000-255	WHITE 12 0%→100%
49	000-255	DIMMER 0%→100%
50	000-255	STROBE DURATION 0%→100%
51	000-005 006-255	STROBE RATE Blackout Strobe from Slow to Fast
52	000-005 006-050 051-100 101-150 151-199 200-255	STROBE EFFECT Null Ramp up Ramp down Ramp up-down Lightning Random
53	000-127 128-255	CONTROL MODE Controlled by Art-Net / sACN Controlled by DMX

LED PIXEL ZONES:

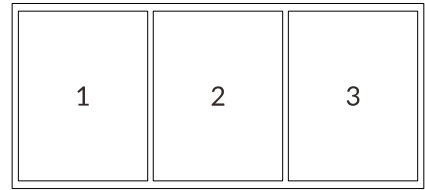
13A+ channel



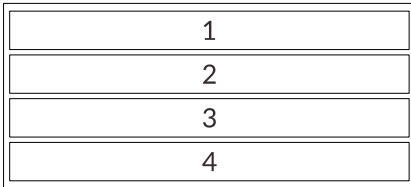
13B+ channel



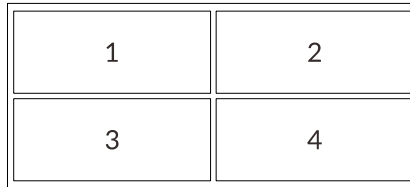
17+ channel



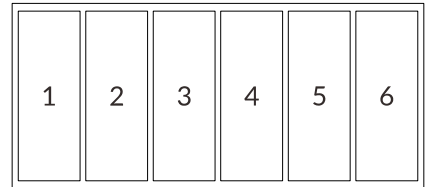
21A+ channel



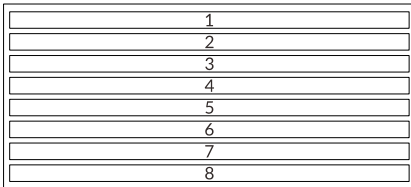
21B+ channel



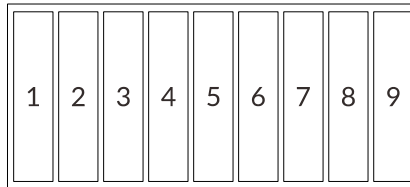
29+ channel



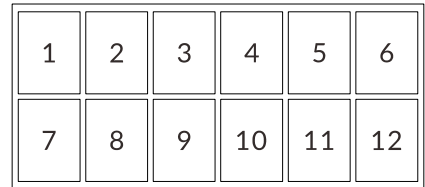
37+ channel



41+ channel



53+ channel



36/144 ZONES:

REGION	ZONE	CHANNEL	VALUE	FUNCTION
Region 1	Zone 1	1	000-255	Red 0%→100%
		2	000-255	Green 0%→100%
		3	000-255	Blue 0%→100%
		4	000-255	White 0%→100%
	Zone 2	5	000-255	Red 0%→100%
		6	000-255	Green 0%→100%
		7	000-255	Blue 0%→100%
		8	000-255	White 0%→100%
	Zone 3	9	000-255	Red 0%→100%
		10	000-255	Green 0%→100%
		11	000-255	Blue 0%→100%
		12	000-255	White 0%→100%
	Zone 4	13	000-255	Red 0%→100%
		14	000-255	Green 0%→100%
		15	000-255	Blue 0%→100%
		16	000-255	White 0%→100%
	Zone 5	17	000-255	Red 0%→100%
		18	000-255	Green 0%→100%
		19	000-255	Blue 0%→100%
		20	000-255	White 0%→100%
	Zone 6	21	000-255	Red 0%→100%
		22	000-255	Green 0%→100%
		23	000-255	Blue 0%→100%
		24	000-255	White 0%→100%
	Zone 7	25	000-255	Red 0%→100%
		26	000-255	Green 0%→100%
		27	000-255	Blue 0%→100%
		28	000-255	White 0%→100%

	Zone 8	29	000-255	Red 0%→100%
		30	000-255	Green 0%→100%
		31	000-255	Blue 0%→100%
		32	000-255	White 0%→100%
	Zone 9	33	000-255	Red 0%→100%
		34	000-255	Green 0%→100%
		35	000-255	Blue 0%→100%
		36	000-255	White 0%→100%
	Zone 10	37	000-255	Red 0%→100%
		38	000-255	Green 0%→100%
		39	000-255	Blue 0%→100%
		40	000-255	White 0%→100%
	Zone 11	41	000-255	Red 0%→100%
		42	000-255	Green 0%→100%
		43	000-255	Blue 0%→100%
		44	000-255	White 0%→100%
	Zone 12	45	000-255	Red 0%→100%
		46	000-255	Green 0%→100%
		47	000-255	Blue 0%→100%
		48	000-255	White 0%→100%
	Zone 13	49	000-255	Red 0%→100%
		50	000-255	Green 0%→100%
		51	000-255	Blue 0%→100%
		52	000-255	White 0%→100%
	Zone 14	53	000-255	Red 0%→100%
		54	000-255	Green 0%→100%
		55	000-255	Blue 0%→100%
		56	000-255	White 0%→100%
Zone 15	57	000-255	Red 0%→100%	
	58	000-255	Green 0%→100%	

		59	000-255	Blue 0%→100%
		60	000-255	White 0%→100%
	Zone 16	61	000-255	Red 0%→100%
		62	000-255	Green 0%→100%
		63	000-255	Blue 0%→100%
		64	000-255	White 0%→100%
	Zone 17	65	000-255	Red 0%→100%
		66	000-255	Green 0%→100%
		67	000-255	Blue 0%→100%
		68	000-255	White 0%→100%
	Zone 18	69	000-255	Red 0%→100%
		70	000-255	Green 0%→100%
		71	000-255	Blue 0%→100%
		72	000-255	White 0%→100%
	Zone 19	73	000-255	Red 0%→100%
		74	000-255	Green 0%→100%
		75	000-255	Blue 0%→100%
		76	000-255	White 0%→100%
	Zone 20	77	000-255	Red 0%→100%
		78	000-255	Green 0%→100%
		79	000-255	Blue 0%→100%
		80	000-255	White 0%→100%
Zone 21	81	000-255	Red 0%→100%	
	82	000-255	Green 0%→100%	
	83	000-255	Blue 0%→100%	
	84	000-255	White 0%→100%	
Zone 22	85	000-255	Red 0%→100%	
	86	000-255	Green 0%→100%	
	87	000-255	Blue 0%→100%	
	88	000-255	White 0%→100%	

	Zone 23	89	000-255	Red 0%→100%
		90	000-255	Green 0%→100%
		91	000-255	Blue 0%→100%
		92	000-255	White 0%→100%
	Zone 24	93	000-255	Red 0%→100%
		94	000-255	Green 0%→100%
		95	000-255	Blue 0%→100%
		96	000-255	White 0%→100%
	Zone 25	97	000-255	Red 0%→100%
		98	000-255	Green 0%→100%
		99	000-255	Blue 0%→100%
		100	000-255	White 0%→100%
	Zone 26	101	000-255	Red 0%→100%
		102	000-255	Green 0%→100%
		103	000-255	Blue 0%→100%
		104	000-255	White 0%→100%
	Zone 27	105	000-255	Red 0%→100%
		106	000-255	Green 0%→100%
107		000-255	Blue 0%→100%	
108		000-255	White 0%→100%	
Zone 28	109	000-255	Red 0%→100%	
	110	000-255	Green 0%→100%	
	111	000-255	Blue 0%→100%	
	112	000-255	White 0%→100%	
Zone 29	113	000-255	Red 0%→100%	
	114	000-255	Green 0%→100%	
	115	000-255	Blue 0%→100%	
	116	000-255	White 0%→100%	
Zone 30	117	000-255	Red 0%→100%	
	118	000-255	Green 0%→100%	

		119	000-255	Blue 0%→100%
		120	000-255	White 0%→100%
	Zone 31	121	000-255	Red 0%→100%
		122	000-255	Green 0%→100%
		123	000-255	Blue 0%→100%
		124	000-255	White 0%→100%
	Zone 32	125	000-255	Red 0%→100%
		126	000-255	Green 0%→100%
		127	000-255	Blue 0%→100%
		128	000-255	White 0%→100%
	Zone 33	129	000-255	Red 0%→100%
		130	000-255	Green 0%→100%
		131	000-255	Blue 0%→100%
		132	000-255	White 0%→100%
	Zone 34	133	000-255	Red 0%→100%
		134	000-255	Green 0%→100%
		135	000-255	Blue 0%→100%
		136	000-255	White 0%→100%
Zone 35	137	000-255	Red 0%→100%	
	138	000-255	Green 0%→100%	
	139	000-255	Blue 0%→100%	
	140	000-255	White 0%→100%	
Zone 36	141	000-255	Red 0%→100%	
	142	000-255	Green 0%→100%	
	143	000-255	Blue 0%→100%	
	144	000-255	White 0%→100%	
Zone 37	145	000-255	Red 0%→100%	
	146	000-255	Green 0%→100%	
	147	000-255	Blue 0%→100%	
	148	000-255	White 0%→100%	

	Zone 38	149	000-255	Red 0%→100%
		150	000-255	Green 0%→100%
		151	000-255	Blue 0%→100%
		152	000-255	White 0%→100%
	Zone 39	153	000-255	Red 0%→100%
		154	000-255	Green 0%→100%
		155	000-255	Blue 0%→100%
		156	000-255	White 0%→100%
	Zone 40	157	000-255	Red 0%→100%
		158	000-255	Green 0%→100%
		159	000-255	Blue 0%→100%
		160	000-255	White 0%→100%
	Zone 41	161	000-255	Red 0%→100%
		162	000-255	Green 0%→100%
		163	000-255	Blue 0%→100%
		164	000-255	White 0%→100%
	Zone 42	165	000-255	Red 0%→100%
		166	000-255	Green 0%→100%
		167	000-255	Blue 0%→100%
		168	000-255	White 0%→100%
Zone 43	169	000-255	Red 0%→100%	
	170	000-255	Green 0%→100%	
	171	000-255	Blue 0%→100%	
	172	000-255	White 0%→100%	
Zone 44	173	000-255	Red 0%→100%	
	174	000-255	Green 0%→100%	
	175	000-255	Blue 0%→100%	
	176	000-255	White 0%→100%	
Zone 45	177	000-255	Red 0%→100%	
	178	000-255	Green 0%→100%	

		179	000-255	Blue 0%→100%
		180	000-255	White 0%→100%
	Zone 46	181	000-255	Red 0%→100%
		182	000-255	Green 0%→100%
		183	000-255	Blue 0%→100%
		184	000-255	White 0%→100%
	Zone 47	185	000-255	Red 0%→100%
		186	000-255	Green 0%→100%
		187	000-255	Blue 0%→100%
		188	000-255	White 0%→100%
	Zone 48	189	000-255	Red 0%→100%
		190	000-255	Green 0%→100%
		191	000-255	Blue 0%→100%
		192	000-255	White 0%→100%
	Zone 49	193	000-255	Red 0%→100%
		194	000-255	Green 0%→100%
		195	000-255	Blue 0%→100%
		196	000-255	White 0%→100%
	Zone 50	197	000-255	Red 0%→100%
		198	000-255	Green 0%→100%
199		000-255	Blue 0%→100%	
200		000-255	White 0%→100%	
Zone 51	201	000-255	Red 0%→100%	
	202	000-255	Green 0%→100%	
	203	000-255	Blue 0%→100%	
	204	000-255	White 0%→100%	
Zone 52	205	000-255	Red 0%→100%	
	206	000-255	Green 0%→100%	
	207	000-255	Blue 0%→100%	
	208	000-255	White 0%→100%	

	Zone 53	209	000-255	Red 0%→100%
		210	000-255	Green 0%→100%
		211	000-255	Blue 0%→100%
		212	000-255	White 0%→100%
	Zone 54	213	000-255	Red 0%→100%
		214	000-255	Green 0%→100%
		215	000-255	Blue 0%→100%
		216	000-255	White 0%→100%
	Zone 55	217	000-255	Red 0%→100%
		218	000-255	Green 0%→100%
		219	000-255	Blue 0%→100%
		220	000-255	White 0%→100%
	Zone 56	221	000-255	Red 0%→100%
		222	000-255	Green 0%→100%
		223	000-255	Blue 0%→100%
		224	000-255	White 0%→100%
	Zone 57	225	000-255	Red 0%→100%
		226	000-255	Green 0%→100%
		227	000-255	Blue 0%→100%
		228	000-255	White 0%→100%
Zone 58	229	000-255	Red 0%→100%	
	230	000-255	Green 0%→100%	
	231	000-255	Blue 0%→100%	
	232	000-255	White 0%→100%	
Zone 59	233	000-255	Red 0%→100%	
	234	000-255	Green 0%→100%	
	235	000-255	Blue 0%→100%	
	236	000-255	White 0%→100%	
Zone 60	237	000-255	Red 0%→100%	
	238	000-255	Green 0%→100%	

		239	000-255	Blue 0%→100%
		240	000-255	White 0%→100%
	Zone 61	241	000-255	Red 0%→100%
		242	000-255	Green 0%→100%
		243	000-255	Blue 0%→100%
		244	000-255	White 0%→100%
	Zone 62	245	000-255	Red 0%→100%
		246	000-255	Green 0%→100%
		247	000-255	Blue 0%→100%
		248	000-255	White 0%→100%
	Zone 63	249	000-255	Red 0%→100%
		250	000-255	Green 0%→100%
		251	000-255	Blue 0%→100%
		252	000-255	White 0%→100%
	Zone 64	253	000-255	Red 0%→100%
		254	000-255	Green 0%→100%
		255	000-255	Blue 0%→100%
		256	000-255	White 0%→100%
	Zone 65	257	000-255	Red 0%→100%
		258	000-255	Green 0%→100%
		259	000-255	Blue 0%→100%
		260	000-255	White 0%→100%
	Zone 66	261	000-255	Red 0%→100%
		262	000-255	Green 0%→100%
		263	000-255	Blue 0%→100%
		264	000-255	White 0%→100%
	Zone 67	265	000-255	Red 0%→100%
		266	000-255	Green 0%→100%
267		000-255	Blue 0%→100%	
268		000-255	White 0%→100%	

	Zone 68	269	000-255	Red 0%→100%
		270	000-255	Green 0%→100%
		271	000-255	Blue 0%→100%
		272	000-255	White 0%→100%
	Zone 69	273	000-255	Red 0%→100%
		274	000-255	Green 0%→100%
		275	000-255	Blue 0%→100%
		276	000-255	White 0%→100%
	Zone 70	277	000-255	Red 0%→100%
		278	000-255	Green 0%→100%
		279	000-255	Blue 0%→100%
		280	000-255	White 0%→100%
	Zone 71	281	000-255	Red 0%→100%
		282	000-255	Green 0%→100%
		283	000-255	Blue 0%→100%
		284	000-255	White 0%→100%
Zone 72	285	000-255	Red 0%→100%	
	286	000-255	Green 0%→100%	
	287	000-255	Blue 0%→100%	
	288	000-255	White 0%→100%	
Region 2	Zone 73	1	000-255	Red 0%→100%
		2	000-255	Green 0%→100%
		3	000-255	Blue 0%→100%
		4	000-255	White 0%→100%
	Zone 74	5	000-255	Red 0%→100%
		6	000-255	Green 0%→100%
		7	000-255	Blue 0%→100%
		8	000-255	White 0%→100%
	Zone 75	9	000-255	Red 0%→100%
		10	000-255	Green 0%→100%

		11	000-255	Blue 0%→100%
		12	000-255	White 0%→100%
	Zone 76	13	000-255	Red 0%→100%
		14	000-255	Green 0%→100%
		15	000-255	Blue 0%→100%
		16	000-255	White 0%→100%
	Zone 77	17	000-255	Red 0%→100%
		18	000-255	Green 0%→100%
		19	000-255	Blue 0%→100%
		20	000-255	White 0%→100%
	Zone 78	21	000-255	Red 0%→100%
		22	000-255	Green 0%→100%
		23	000-255	Blue 0%→100%
		24	000-255	White 0%→100%
	Zone 79	25	000-255	Red 0%→100%
		26	000-255	Green 0%→100%
		27	000-255	Blue 0%→100%
		28	000-255	White 0%→100%
	Zone 80	29	000-255	Red 0%→100%
		30	000-255	Green 0%→100%
		31	000-255	Blue 0%→100%
		32	000-255	White 0%→100%
	Zone 81	33	000-255	Red 0%→100%
		34	000-255	Green 0%→100%
		35	000-255	Blue 0%→100%
		36	000-255	White 0%→100%
	Zone 82	37	000-255	Red 0%→100%
		38	000-255	Green 0%→100%
		39	000-255	Blue 0%→100%
		40	000-255	White 0%→100%

	Zone 83	41	000-255	Red 0%→100%
		42	000-255	Green 0%→100%
		43	000-255	Blue 0%→100%
		44	000-255	White 0%→100%
	Zone 84	45	000-255	Red 0%→100%
		46	000-255	Green 0%→100%
		47	000-255	Blue 0%→100%
		48	000-255	White 0%→100%
	Zone 85	49	000-255	Red 0%→100%
		50	000-255	Green 0%→100%
		51	000-255	Blue 0%→100%
		52	000-255	White 0%→100%
	Zone 86	53	000-255	Red 0%→100%
		54	000-255	Green 0%→100%
		55	000-255	Blue 0%→100%
		56	000-255	White 0%→100%
	Zone 87	57	000-255	Red 0%→100%
		58	000-255	Green 0%→100%
		59	000-255	Blue 0%→100%
		60	000-255	White 0%→100%
Zone 88	61	000-255	Red 0%→100%	
	62	000-255	Green 0%→100%	
	63	000-255	Blue 0%→100%	
	64	000-255	White 0%→100%	
Zone 89	65	000-255	Red 0%→100%	
	66	000-255	Green 0%→100%	
	67	000-255	Blue 0%→100%	
	68	000-255	White 0%→100%	
Zone 90	69	000-255	Red 0%→100%	
	70	000-255	Green 0%→100%	

		71	000-255	Blue 0%→100%
		72	000-255	White 0%→100%
	Zone 91	73	000-255	Red 0%→100%
		74	000-255	Green 0%→100%
		75	000-255	Blue 0%→100%
		76	000-255	White 0%→100%
	Zone 92	77	000-255	Red 0%→100%
		78	000-255	Green 0%→100%
		79	000-255	Blue 0%→100%
		80	000-255	White 0%→100%
	Zone 93	81	000-255	Red 0%→100%
		82	000-255	Green 0%→100%
		83	000-255	Blue 0%→100%
		84	000-255	White 0%→100%
	Zone 94	85	000-255	Red 0%→100%
		86	000-255	Green 0%→100%
		87	000-255	Blue 0%→100%
		88	000-255	White 0%→100%
	Zone 95	89	000-255	Red 0%→100%
		90	000-255	Green 0%→100%
91		000-255	Blue 0%→100%	
92		000-255	White 0%→100%	
Zone 96	93	000-255	Red 0%→100%	
	94	000-255	Green 0%→100%	
	95	000-255	Blue 0%→100%	
	96	000-255	White 0%→100%	
Zone 97	97	000-255	Red 0%→100%	
	98	000-255	Green 0%→100%	
	99	000-255	Blue 0%→100%	
	100	000-255	White 0%→100%	

	Zone 98	101	000-255	Red 0%→100%
		102	000-255	Green 0%→100%
		103	000-255	Blue 0%→100%
		104	000-255	White 0%→100%
	Zone 99	105	000-255	Red 0%→100%
		106	000-255	Green 0%→100%
		107	000-255	Blue 0%→100%
		108	000-255	White 0%→100%
	Zone 100	109	000-255	Red 0%→100%
		110	000-255	Green 0%→100%
		111	000-255	Blue 0%→100%
		112	000-255	White 0%→100%
	Zone 101	113	000-255	Red 0%→100%
		114	000-255	Green 0%→100%
		115	000-255	Blue 0%→100%
		116	000-255	White 0%→100%
	Zone 102	117	000-255	Red 0%→100%
		118	000-255	Green 0%→100%
		119	000-255	Blue 0%→100%
		120	000-255	White 0%→100%
	Zone 103	121	000-255	Red 0%→100%
		122	000-255	Green 0%→100%
		123	000-255	Blue 0%→100%
		124	000-255	White 0%→100%
	Zone 104	125	000-255	Red 0%→100%
		126	000-255	Green 0%→100%
		127	000-255	Blue 0%→100%
		128	000-255	White 0%→100%
	Zone 105	129	000-255	Red 0%→100%
		130	000-255	Green 0%→100%

		131	000-255	Blue 0%→100%
		132	000-255	White 0%→100%
	Zone 106	133	000-255	Red 0%→100%
		134	000-255	Green 0%→100%
		135	000-255	Blue 0%→100%
		136	000-255	White 0%→100%
	Zone 107	137	000-255	Red 0%→100%
		138	000-255	Green 0%→100%
		139	000-255	Blue 0%→100%
		140	000-255	White 0%→100%
	Zone 108	141	000-255	Red 0%→100%
		142	000-255	Green 0%→100%
		143	000-255	Blue 0%→100%
		144	000-255	White 0%→100%
	Zone 109	145	000-255	Red 0%→100%
		146	000-255	Green 0%→100%
		147	000-255	Blue 0%→100%
		148	000-255	White 0%→100%
	Zone 110	149	000-255	Red 0%→100%
		150	000-255	Green 0%→100%
151		000-255	Blue 0%→100%	
152		000-255	White 0%→100%	
Zone 111	153	000-255	Red 0%→100%	
	154	000-255	Green 0%→100%	
	155	000-255	Blue 0%→100%	
	156	000-255	White 0%→100%	
Zone 112	157	000-255	Red 0%→100%	
	158	000-255	Green 0%→100%	
	159	000-255	Blue 0%→100%	
	160	000-255	White 0%→100%	

	Zone 113	161	000-255	Red 0%→100%
		162	000-255	Green 0%→100%
		163	000-255	Blue 0%→100%
		164	000-255	White 0%→100%
	Zone 114	165	000-255	Red 0%→100%
		166	000-255	Green 0%→100%
		167	000-255	Blue 0%→100%
		168	000-255	White 0%→100%
	Zone 115	169	000-255	Red 0%→100%
		170	000-255	Green 0%→100%
		171	000-255	Blue 0%→100%
		172	000-255	White 0%→100%
	Zone 116	173	000-255	Red 0%→100%
		174	000-255	Green 0%→100%
		175	000-255	Blue 0%→100%
		176	000-255	White 0%→100%
	Zone 117	177	000-255	Red 0%→100%
		178	000-255	Green 0%→100%
		179	000-255	Blue 0%→100%
		180	000-255	White 0%→100%
Zone 118	181	000-255	Red 0%→100%	
	182	000-255	Green 0%→100%	
	183	000-255	Blue 0%→100%	
	184	000-255	White 0%→100%	
Zone 119	185	000-255	Red 0%→100%	
	186	000-255	Green 0%→100%	
	187	000-255	Blue 0%→100%	
	188	000-255	White 0%→100%	
Zone 120	189	000-255	Red 0%→100%	
	190	000-255	Green 0%→100%	

		191	000-255	Blue 0%→100%
		192	000-255	White 0%→100%
	Zone 121	193	000-255	Red 0%→100%
		194	000-255	Green 0%→100%
		195	000-255	Blue 0%→100%
		196	000-255	White 0%→100%
	Zone 122	197	000-255	Red 0%→100%
		198	000-255	Green 0%→100%
		199	000-255	Blue 0%→100%
		200	000-255	White 0%→100%
	Zone 123	201	000-255	Red 0%→100%
		202	000-255	Green 0%→100%
		203	000-255	Blue 0%→100%
		204	000-255	White 0%→100%
	Zone 124	205	000-255	Red 0%→100%
		206	000-255	Green 0%→100%
		207	000-255	Blue 0%→100%
		208	000-255	White 0%→100%
	Zone 125	209	000-255	Red 0%→100%
		210	000-255	Green 0%→100%
211		000-255	Blue 0%→100%	
212		000-255	White 0%→100%	
Zone 126	213	000-255	Red 0%→100%	
	214	000-255	Green 0%→100%	
	215	000-255	Blue 0%→100%	
	216	000-255	White 0%→100%	
Zone 127	217	000-255	Red 0%→100%	
	218	000-255	Green 0%→100%	
	219	000-255	Blue 0%→100%	
	220	000-255	White 0%→100%	

	Zone 128	221	000-255	Red 0%→100%
		222	000-255	Green 0%→100%
		223	000-255	Blue 0%→100%
		224	000-255	White 0%→100%
	Zone 129	225	000-255	Red 0%→100%
		226	000-255	Green 0%→100%
		227	000-255	Blue 0%→100%
		228	000-255	White 0%→100%
	Zone 130	229	000-255	Red 0%→100%
		230	000-255	Green 0%→100%
		231	000-255	Blue 0%→100%
		232	000-255	White 0%→100%
	Zone 131	233	000-255	Red 0%→100%
		234	000-255	Green 0%→100%
		235	000-255	Blue 0%→100%
		236	000-255	White 0%→100%
	Zone 132	237	000-255	Red 0%→100%
		238	000-255	Green 0%→100%
		239	000-255	Blue 0%→100%
		240	000-255	White 0%→100%
	Zone 133	241	000-255	Red 0%→100%
		242	000-255	Green 0%→100%
		243	000-255	Blue 0%→100%
		244	000-255	White 0%→100%
	Zone 134	245	000-255	Red 0%→100%
246		000-255	Green 0%→100%	
247		000-255	Blue 0%→100%	
248		000-255	White 0%→100%	
Zone 135	249	000-255	Red 0%→100%	
	250	000-255	Green 0%→100%	

		251	000-255	Blue 0%→100%
		252	000-255	White 0%→100%
	Zone 136	253	000-255	Red 0%→100%
		254	000-255	Green 0%→100%
		255	000-255	Blue 0%→100%
		256	000-255	White 0%→100%
	Zone 137	257	000-255	Red 0%→100%
		258	000-255	Green 0%→100%
		259	000-255	Blue 0%→100%
		260	000-255	White 0%→100%
	Zone 138	261	000-255	Red 0%→100%
		262	000-255	Green 0%→100%
		263	000-255	Blue 0%→100%
		264	000-255	White 0%→100%
	Zone 139	265	000-255	Red 0%→100%
		266	000-255	Green 0%→100%
		267	000-255	Blue 0%→100%
		268	000-255	White 0%→100%
	Zone 140	269	000-255	Red 0%→100%
		270	000-255	Green 0%→100%
		271	000-255	Blue 0%→100%
		272	000-255	White 0%→100%
	Zone 141	273	000-255	Red 0%→100%
		274	000-255	Green 0%→100%
		275	000-255	Blue 0%→100%
		276	000-255	White 0%→100%
	Zone 142	277	000-255	Red 0%→100%
		278	000-255	Green 0%→100%
279		000-255	Blue 0%→100%	
280		000-255	White 0%→100%	

	Zone 143	281	000-255	Red 0%→100%
		282	000-255	Green 0%→100%
		283	000-255	Blue 0%→100%
		284	000-255	White 0%→100%
	Zone 144	285	000-255	Red 0%→100%
		286	000-255	Green 0%→100%
		287	000-255	Blue 0%→100%
		288	000-255	White 0%→100%

LED PIXEL ZONES:

36 ZONES

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	33	34	35	36

144 ZONES

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	33	34	35	36
37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54
55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72
73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108
109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126
127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144

07/ Error Information

Error codes are shown continuously in the display when the fixture fails and they will not disappear until the fixture is repaired.

CPU-B Error

Check whether the 485 (DATA) leads on the PCB board are installed in place or disconnected.

Check whether the related 485 (DATA) signal circuit on the PCB board is damaged.

LED Fan 1/2/3/4 Error

Check whether the fan is not running.

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

Check whether the fan is damaged.

Check whether there are obstacles in the fan operating range.

Check whether the fan circuit on the motherboard breaks down.

Check whether the component is damaged.

Check whether the fan is out of order.

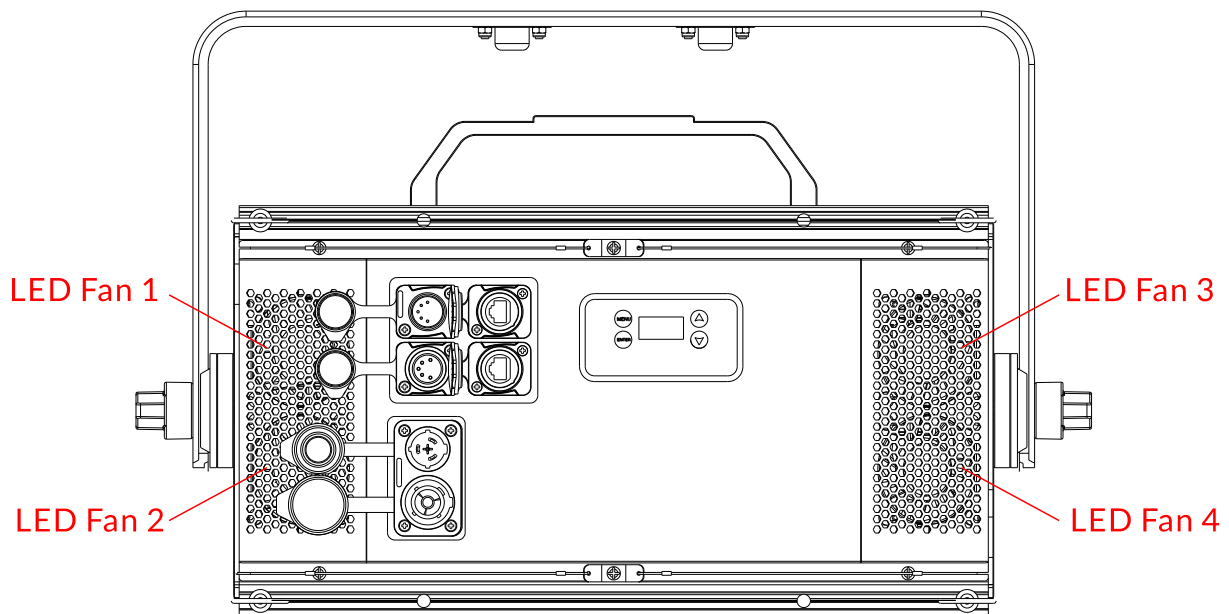
Temperature Error

Check whether the temperature detecting board is normal.

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

Check whether the lead on the temperature detecting board is installed in place or disconnected.

The position of each fan of the fixture:



08/ 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.

09/ 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.

Declaration of Conformity

We declare that our products (lighting equipments) comply with the following specification and bears CE mark in accordance with the provision of the Electromagnetic Compatibility (EMC) Directive 2014/30/EU.

EN 55032: 2015+A11: 2020; EN IEC 61000-3-2: 2019;
EN 61000-3-3: 2013+A1: 2019; EN 55035: 2017.

& Harmonized Standard

EN 60598-1: 2015;
EN 60598-2-17: 2018; EN 62493: 2015.
Safety of household and similar electrical appliances
Part 1: General requirements and tests



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