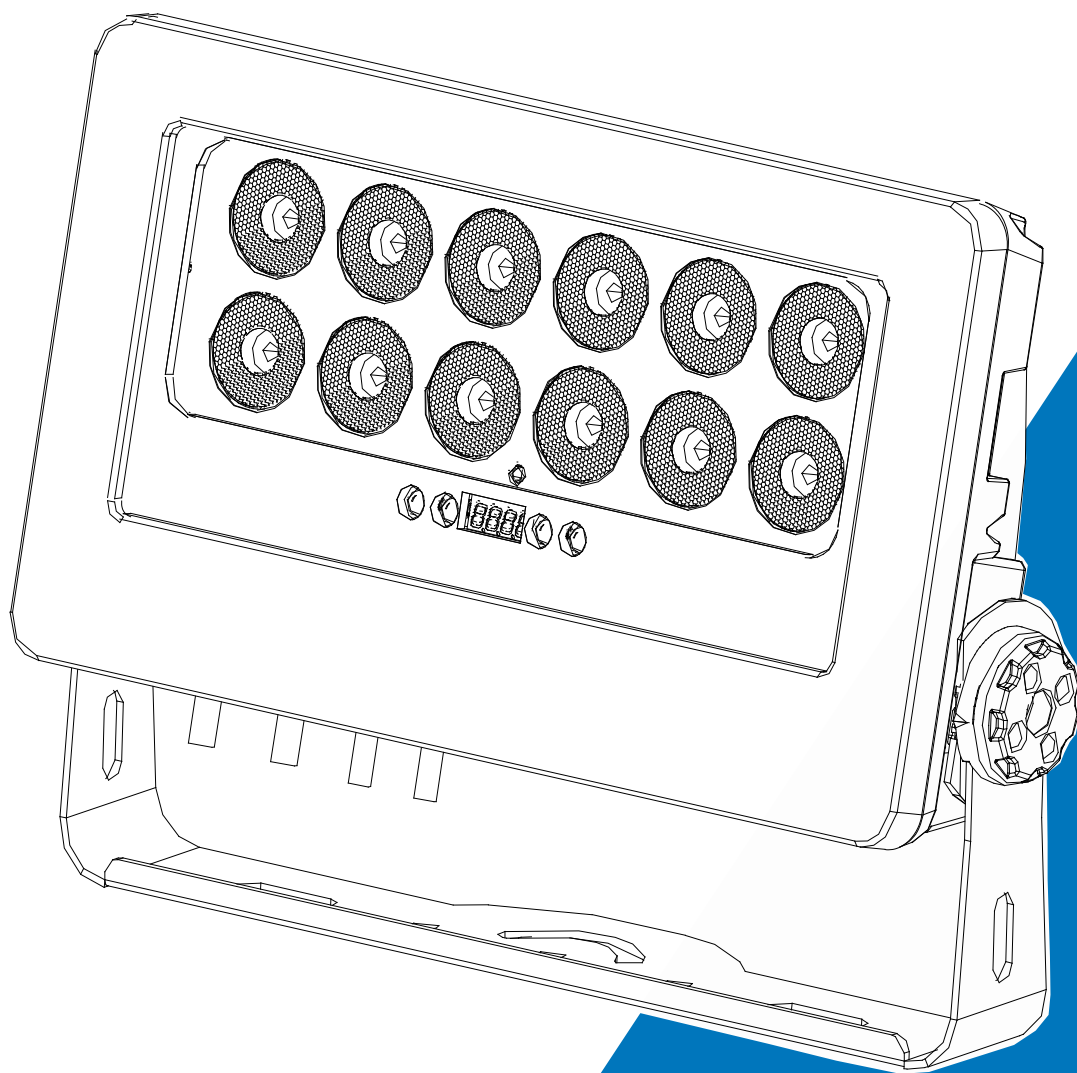




Building Wash



User Manual

Please read the instruction carefully before use

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1. Safety Instruction



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.
- This product is suitable for indoor use and 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 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.
- During initial start-up some smoke or smell may arise. This is a normal process and does not necessarily mean that the device is defective, and it will decrease gradually within 15 minutes.
- 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 60°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.
- 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.

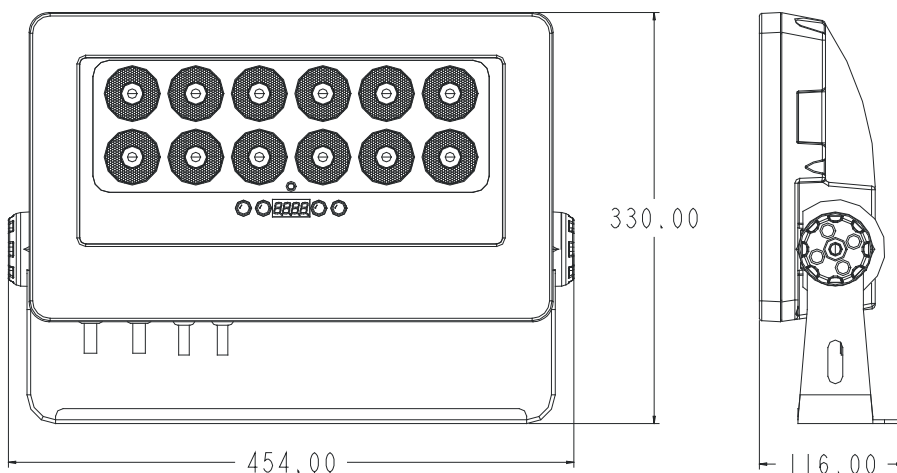
2. Technical Specifications

Features:

- An ideal replacement for the outdoor metal halide fixtures - VPad Smart and VPad White produces powerful and consistent light output, makes its efficiency and cost-effective
- Compact design with great heat ventilation in a rugged die-cast aluminum housing to ensure reliable performance under harsh environment
- 16 pre-programmed movement patterns and 4/5/7 DMX channels
- Easy installation with swivel tilt mechanism for quick positioning
- Easy cabling with a specially designed power and DMX compartment
- With various beam angles, ideal for multiple applications – for the illumination of buildings, bridges, stadiums, landscapes, theme parks, and more

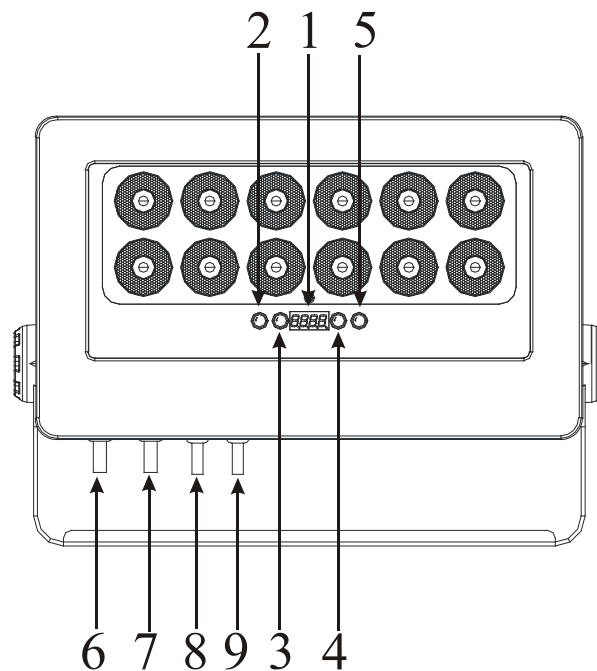
Specifications:

Power Voltage:	AC 100~240V, 50/60Hz
Power Consumption:	112W
Light Source:	12x10W CREE MCE LEDs
Beam Angle:	10°, 20° or 30°
IP Rating:	IP66
Dimension:	454x116x330mm / 18"x5"x13" in
Weight:	11.2kgs / 24.7lbs



3. How To Set The Fixture

3.1 Control Panel



1. Display:

To show the various menus and the selected functions

Button:

2. MENU	To select the programming functions
3. ENTER	To confirm the selected functions
4. DOWN	To go forward in the selected functions
5. UP	To go backward in the selected functions

6. POWER IN

Water proof connectors for power input

7. POWER OUT:

Water proof connectors for power output

8. DMX IN:

Water proof connectors for DMX512 operation, use 3-pin XLR cable to link the units together

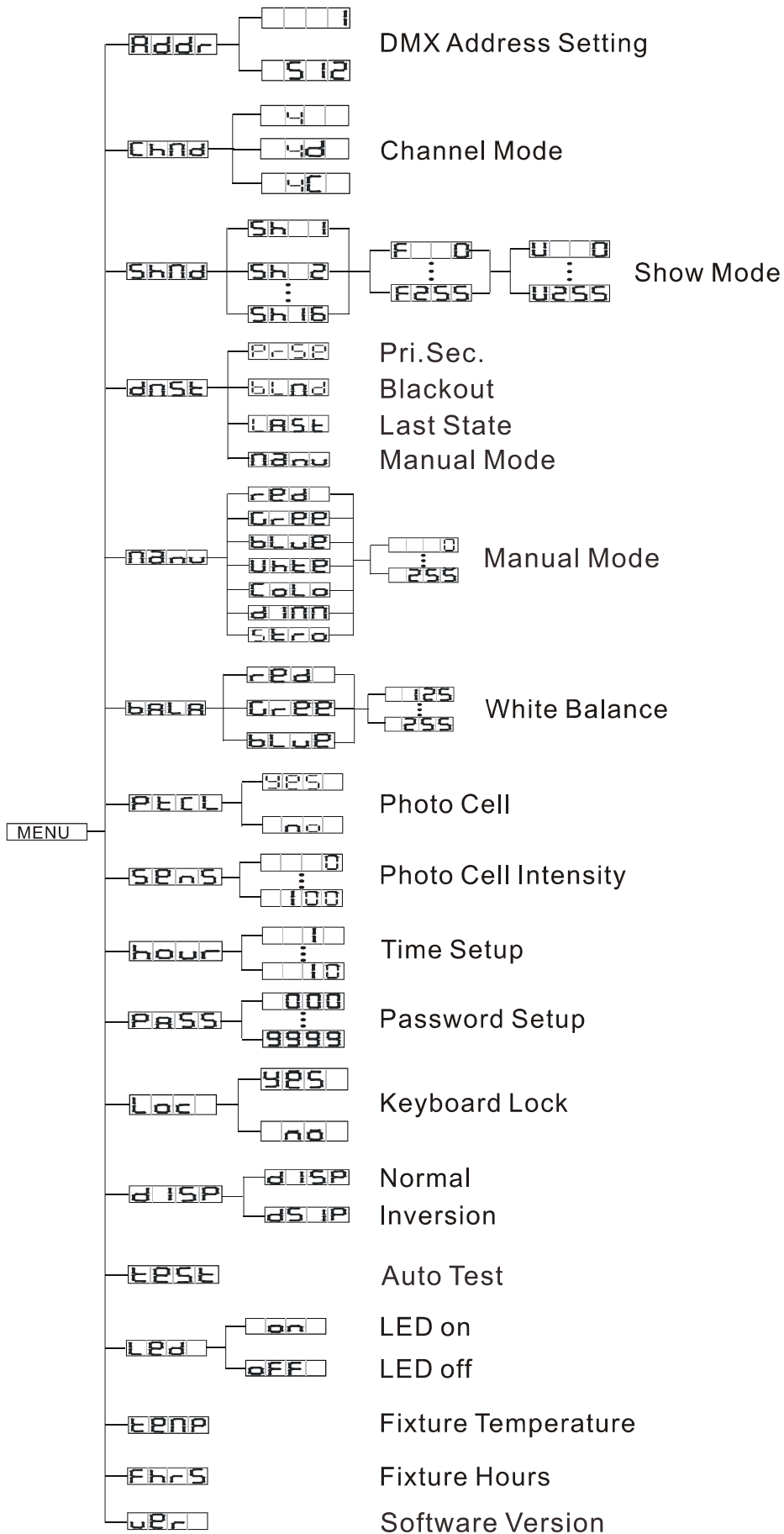
9. DMX OUT:

Water proof connectors for DMX512 operation, use 3-pin XLR cable to link the next units

3.2 Main Functions

To select any functions, press the **MENU** button until the required one is showing on the display. Select the function by the **ENTER** button and the display will blink. Use the **UP/DOWN** button to change the mode. Once the required mode has been selected, press the **ENTER** button to setup or it will automatically return to the main functions without any change after idling 7 seconds. Back to the functions without any change press the **MENU** button. The main functions are shown below:

Once you set **Loc** to **GPS**, after running in show mode for 5 minutes without any change or restarting the unit, the key board become locked. Press the **ENTER** button to enable the menu, the display will show **---**, press the **UP/DOWN** button until it shows **---**, then press the **ENTER** to unlock.



Addr DMX Address Setting

Select the **Addr**, press the **ENTER** button and the display will blink. Use the **UP/DOWN** button to adjust the address between **0000** and **512**. Once the address has been selected, press the **ENTER** button to setup or automatically exit menu mode without any change after 7 seconds. Back to the previous functions without any change press the **MENU** button.

Chnd Channel Mode

Select the **Chnd**, press the **ENTER** button and the display will blink. Use the **UP/DOWN** button to select the **4** (4 Channels: Red, Green, Blue, White), **4d** (5 Channels: Red, Green, Blue, White, Dimmer) or **4C** (7 Channels: Red, Green, Blue, White, Color, Dimmer, Strobe). Once selected, press the **ENTER** button to store or automatically exit menu mode without any change after 7 seconds. To go back to the functions without any change press the **MENU** button.

Shnd Show Mode

Select the **Shnd**, press the **ENTER** button and the display will blink. Use the **UP/DOWN** button to select the **SH 1** (Show 1), **SH 2** (Show 2)...**SH 16** (Show 16). Once selected, press the **ENTER** button to setup. Press the **ENTER** button, **F 000** will blink on the display, use the **UP/DOWN** button to adjust the fade time (0~255), press the **ENTER** button to store and **U 000** will blink on the display, use the **UP/DOWN** button to adjust the wait time (0~255), press the **ENTER** button to store or automatically return to the main functions without any change after 7 seconds. To go back to the previous functions without any change press the **MENU** button.

dnst DMX State

Select the **dnst**, press the **ENTER** button and the display will blink. Use the **UP/DOWN** button to select the **PRSE** (Primary Secondary), **BLND** (Blackout), **LAST** (Last State) or **MANU** (Manual Mode). Once selected, press the **ENTER** button to setup or automatically exit menu mode without any change after 7 seconds. To go back to the functions without any

change press the **MENU** button.

MANU Manual Mode

Select the **MANU**, press the **ENTER** button and the display will blink. Use the **UP/DOWN** button to select **RED** (Red), **GREEN** (Green), **BLUE** (Blue), **WHITE** (White), **COLOR** (Color), **DIMM** (Dimmer) or **STROB** (Strobe). Once selected, press the **ENTER** button to confirm, and use the **UP/DOWN** button to adjust the value between **0000** and **255**, then press the **ENTER** button to store, or automatically exit menu mode without any change after 7 seconds. To go back to the functions without any change press the **MENU** button.

BALA White Balance

Select the **BALA**, press the **ENTER** button and the display will blink. Use the **UP/DOWN** button to select **RED** (Red), **GREEN** (Green), **BLUE** (Blue). Once selected, press the **ENTER** button to confirm, and use the **UP/DOWN** button to adjust the value between **125** and **255**, then press the **ENTER** button to store, or automatically return to the main functions without any change after 7 seconds. To go back to the previous functions without any change press the **MENU** button.

PECL Photo Cell

Select the **PECL**, press the **ENTER** button and the display will blink. Use the **UP/DOWN** button to select **YES** (Be controlled by sunlight) or **NO** (Not be controlled by sunlight). Once select, press the **ENTER** button to setup or automatically return to the main functions without any change after 7 seconds. Back to the previous functions press the **MENU** button.

SEnS Photo Cell Intensity

Select the **SEnS**, press the **ENTER** button and the display will blink. Use the **UP/DOWN** button to adjust the intensity value between **0000** and **1000**. Once selected, press the **ENTER** button to setup or automatically return to the main functions without any change after 7 seconds. Back to the previous functions press the **MENU** button.

hour Time Setup

Select the **hour**, press the **ENTER** button and the display will blink. Use the **UP/DOWN** button to select **01** (1 hour) ... **10** (10 hours). Once select, press the **ENTER** button to setup or automatically return to the main functions without any change after 7 seconds. Back to the previous functions press the **MENU** button.




PASS Password Setup

Select the **PASS**, press the **ENTER** button and the display will blink. Use the **UP/DOWN** button to change the password from the **000** ... **9999**. Once select, press the **ENTER** button to setup or automatically return to the main functions without any change after 7 seconds. Back to the previous functions press the **MENU** button.


Loc Keyboard Lock

Select the **Loc**, press the **ENTER** button and the display will blink. Use the **UP/DOWN** button to select **YES** (lock the key board) or **no** (normal). Once select, press the **ENTER** button to setup or automatically return to the main functions without any change after 7 seconds. Back to the previous functions press the **MENU** button.

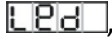

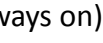
Display Inversion

Select the , press the **ENTER** button and the display will blink. Use the **UP/DOWN** button to select  (normal) or  (inverse). Once the mode has been selected, press the **ENTER** button to setup or automatically return to the main functions without any change after 7 seconds. To go back to the previous functions without any change press the **MENU** button.


Auto Test

Select the , press the **ENTER** button and the unit will run self-test by built-in program. To go back to the functions press the **MENU** button again.

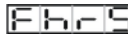
LED Display

Select the , press the **ENTER** button and the display will blink. Use **UP/DOWN** button to select  (display is always on) or  (display off after exit menu 20 seconds). Once select, press the **ENTER** button to setup or exit menu mode without any change after 7 seconds. Back to the functions without any change press **MENU** button again.

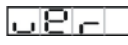
Fixture Temperature

Select the , press the **ENTER** button and the display will show the temperature of the unit. To go back to the functions press the **MENU** button again.

Fixture Hours

Select the , press the **ENTER** button and the display will show the number of working hours of the unit. To go back to the functions press the **MENU** button.

Software Version

Select the , press the **ENTER** button and the display will show the software version of the unit. To go back to the functions press the **MENU** button again.

4. How To Control The Unit

You can operate the unit in two ways:

1. By primary/secondary built-in preprogram function
2. By DMX controller

No need to turn the unit off when you change the DMX address, as new DMX address setting will be affected at once.

4.1 Primary/Secondary Built In Preprogrammed Function













By linking the units in primary/secondary connection, the first unit will control the other units to give an automatic, synchronized light show.

4.2 DMX Controller

Use 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 up to when the **Addr** is showing on the display. Pressing **ENTER** button and the display will blink. Use **UP/DOWN** button to change the DMX512 address. Once the address has been selected, press the **ENTER** button to setup or exit menu mode without any change after 7 seconds. To go back to the functions without any change press the **MENU** button again.

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

4 channels mode:				
5 channels mode:				
7 channels mode:				

4.3 DMX512 Configuration

Please refer to below configurations to control the fixtures

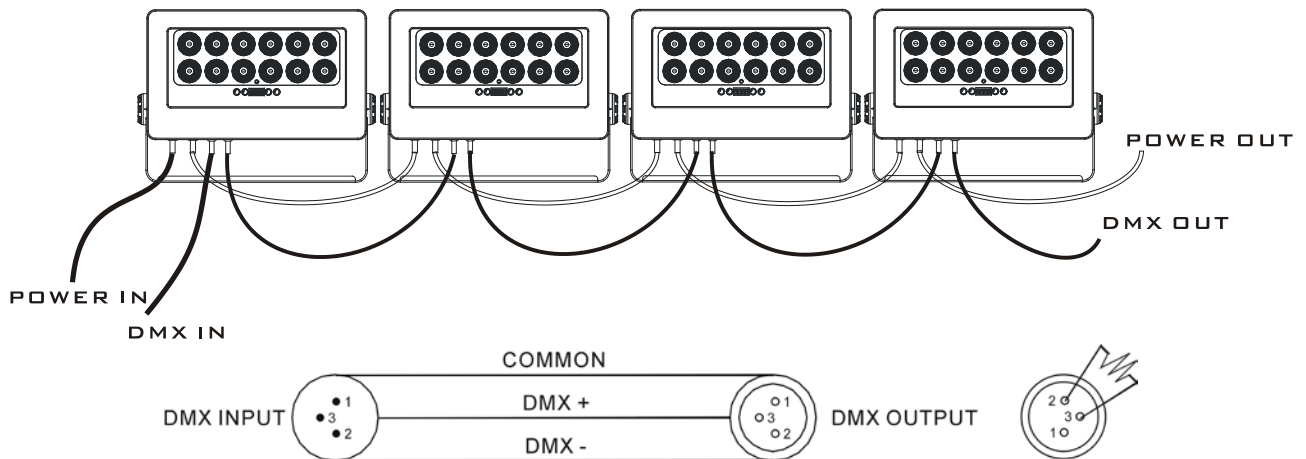
Attentions:

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.

4/5/7 Channels Mode:

DMX512 Configurations								
4 Channels (4 Mode)				5 Channels (4D Mode)				
Ch1	Ch2	Ch3	Ch4	Ch1	Ch2	Ch3	Ch4	Ch5
RED	GREEN	BLUE	WHITE	RED	GREEN	BLUE	WHITE	DIMMER
7 Channels (4C Mode)								
Ch1	Ch2	Ch3	Ch4	Ch5	Ch6	Ch7		
RED	GREEN	BLUE	WHITE	COLOR	DIMMER	STROBE		
				248-255 Preset color32 240-247 Preset color31 232-239 Preset color30 224-231 Preset color29 217-223 Preset color28 209-216 Preset color27 201-208 Preset color26 194-200 Preset color25 186-193 Preset color24 178-185 Preset color23 170-177 Preset color22 163-169 Preset color21 155-162 Preset color20 147-154 Preset color19 140-146 Preset color18 132-139 Preset color17 124-131 Preset color16 116-123 Preset color15 109-115 Preset color14 101-108 Preset color13 093-100 Preset color12 085-092 Preset color11 078-084 Preset color10 070-077 Preset color9 062-069 Preset color8 055-061 Preset color7 047-054 Preset color6 039-046 Preset color5 031-038 Preset color4 024-030 Preset color3 016-023 Preset color2 008-015 Preset color1 000-007 OFF		248-255 OPEN 240-247 RANDOM STROBE 232-239 OPEN 190-231 SLOW CLOSE FAST OPEN 182-189 OPEN 140-181 SLOW OPEN FAST CLOSE 132-139 OPEN 16-131 8-15 OPEN 0-7 OFF		

5. 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.

6. 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. DMX LED should be on. If not, check DMX connectors, cables to see if they are linked properly.
2. If the DMX LED is on and no response to the channel, 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.

7. 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. Clean the internal optics at least every 30 days.

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