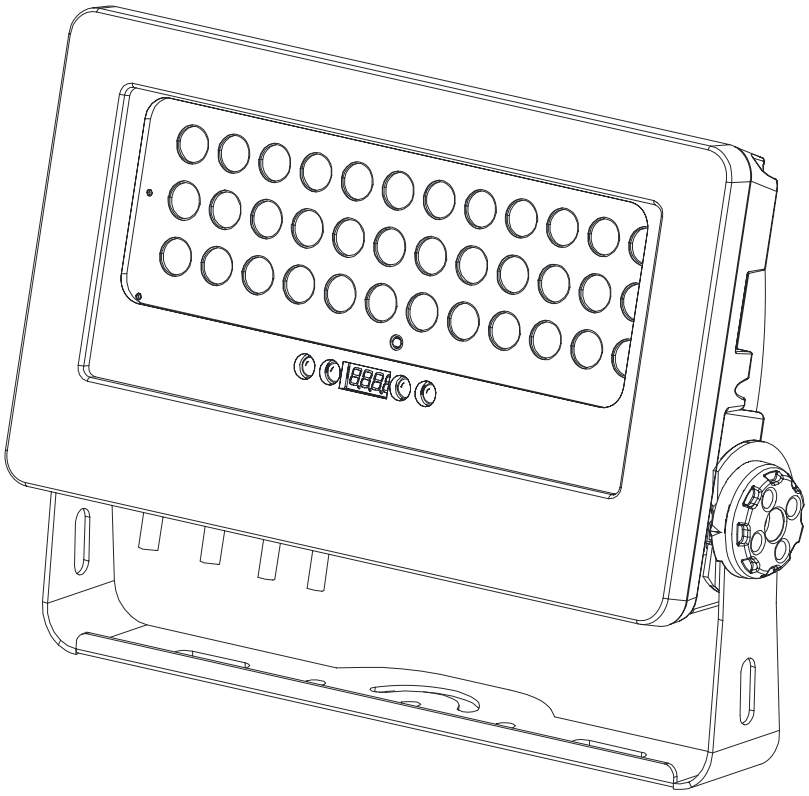
touched by color

Building wash



BW-363 RGBW

User Manual

Please read the instructions carefully before use

CONTENTS

1. Safety Instruction

WARNING

Please read the instructions carefully which includes important information about the installation, operation 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 booklet.

Caution:

- All fixtures are intact from the manufacturer, please operate follow up the user manual, artificial fault are not under guarantee repair.
- Unpack and check carefully there is no transportation damage before using the unit.
- The unit is for indoor use only. Use only in a dry location.
- DO install and operate by operator.
- Use safety chain when fixes the unit.
- 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.
- Maximum ambient temperature Ta: 40℃. Don't operate it where the temperature is higher than this.
- DO NOT connect the device to any dimmer pack.
- First run, there will be smoke or smells, and all disappearing a few minutes later.
- Make sure there are no flammable materials close to the unit while operating, as it is fire hazard.
- Look over power wires carefully, replace immediately if there is any damage.
- Unit surface temperature may reach up to 60℃. DO NOT touch the housing bare-hand during its operation.
- Never run on for a long time lest shortening lifespan.
- Avoid any inflammable liquids, water or metal objects entering the unit. Once it happen, cut off the mains power immediately.
- DO NOT operate in dirty and dusty environment, also cleaning fixtures regularly.
- DO NOT allow children to operate the fixture.

- DO NOT touch any wire during operation as there might be a hazard of electric shock.
- Avoid power wires together arounding other cables.
- Replace fuse only with the same type.
- 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.
- Disconnect the mains power if the fixture is not used for a long time.
- DO use original packing materials once transport it again.
- To prevent or reduce the risk of electrical shock or fire, do not expose the unit to rain or moisture.
- DO NOT look directly at the LED light beam while the fixture is on.

Installation:

The unit should be mounted via its screw holes on the bracket. Always ensure that the unit is firmly fixed to avoid vibration and slipping while operating. Always ensure that the structure to which you are attaching the unit is secure and is able to support a weight of 10 times of the unit's weight. Also always use a safety cable that can hold 12 times of the weight of the unit when installing the fixture.

The equipment must be fixed by professionals. And it must be fixed at a place where is out of the touch of people and has no one pass by or under it.

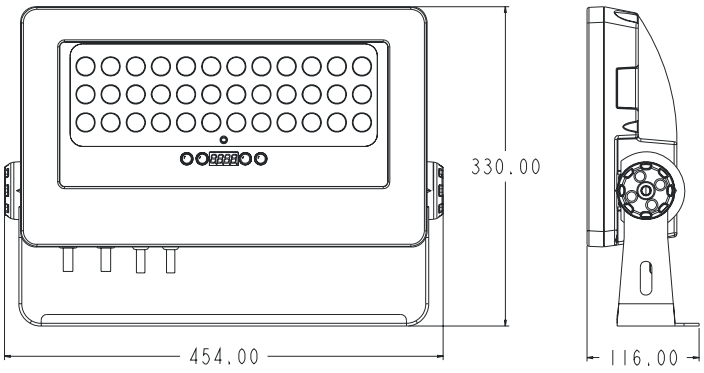
2.Techical Specfications

◆ 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

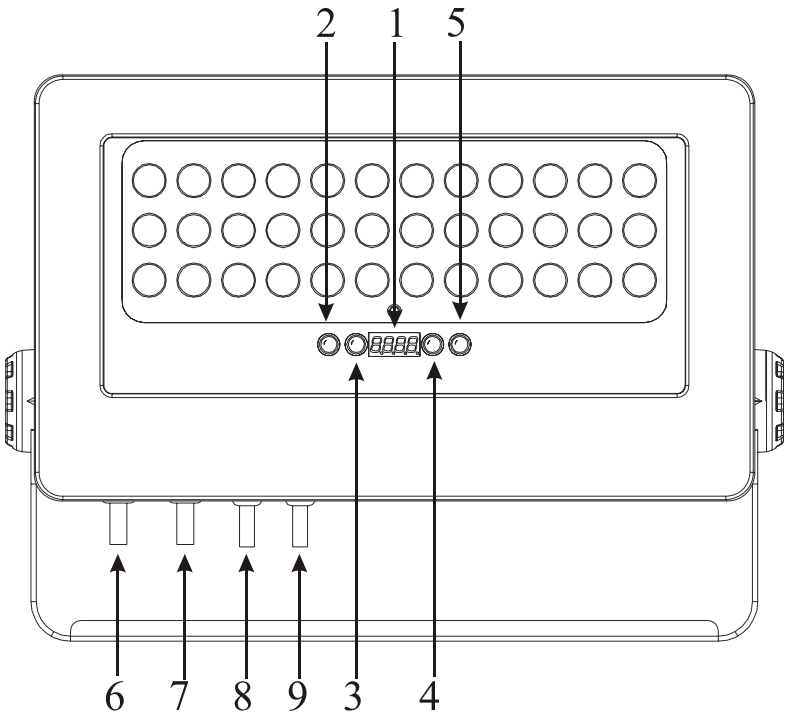
◆ Specifications:

- **Input Voltage：** AC 100~240V, 50/60Hz
- **Power Consumption：** 108W
- **Light Source**: 36×3W CREE XP-E LEDs
  (Red: 9pcs, Green: 9pcs, Blue: 9pcs, White: 9pcs)
- **Beam Angle:** 6°, 15°, 25°, 40°, 60°, 80°
- **Lumen Output:** 3388lm
- **IP Rating:** IP66
- **Dimension：** 453× 114 ×333mm
- **Weight：** 10.4Kgs



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. DOWN	To go backward in the selected functions
4. UP	To go forward in the selected functions
5. ENTER	To confirm 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 DMX 512 operation, use 3-pin XLR cable to link the unit together

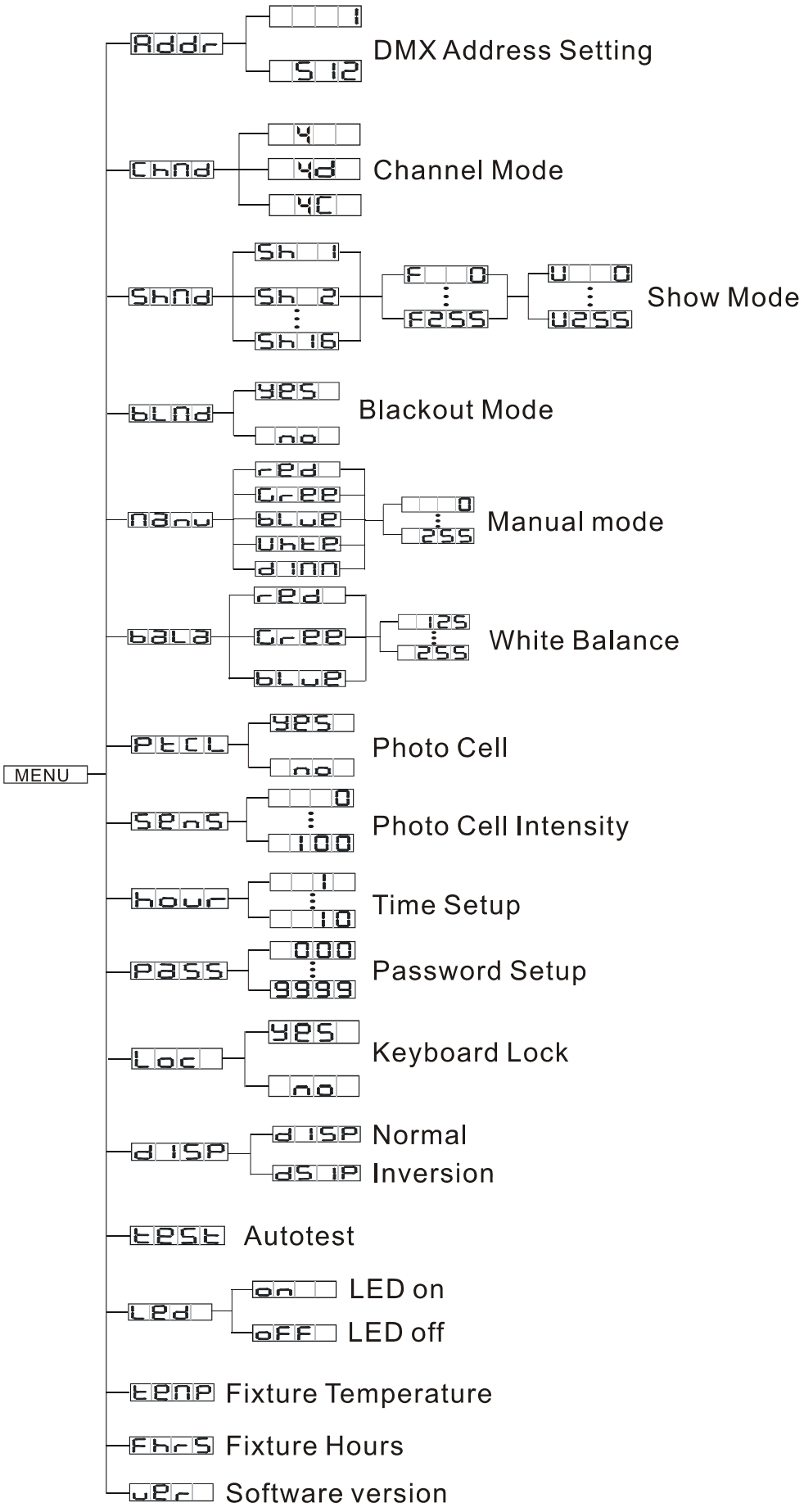
9. DMX OUT:

Water proof connectors for DMX 512 operation, use 3-pin XLR cable to link the next unit

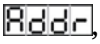
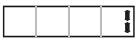
3.2 Main Functions

To select any functions, press the **MENU** button until the required one is shown on the display. Select the function by the **ENTER** button and the display will blink. Use the **DOWN** and **UP** 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 one minute. Back to the functions without any change press the **MENU** button. The main functions are shown below:

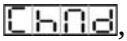
Once you set Loc to YES, after running in show mode for 5 minutes without any change or restarting the unit, the key board become locked. Press the ENTER button to enable the menu, the display will show 0, press the UP and DOWN button until it shows 111 , then press the ENTER to unlock.


MENU
Addr
001
512
DMX Address Setting
ChnD
4
4d
4C
Channel Mode
ShnD
Sh 1
Sh 2
Sh 16
F 0
F255
U 0
U255
Show Mode
bLnd
yES
no
Blackout Mode
nAnu
red
GrEE
bLuE
WhtE
dIMM
000
255
Manual mode
bALA
red
GrEE
bLuE
125
255
White Balance
PtCL
yES
no
Photo Cell
SEnS
000
100
Photo Cell Intensity
hour
01
10
Time Setup
PASS
000
9999
Password Setup
Loc
yES
no
Keyboard Lock
dISP
dISP
dSIP
Normal
Inversion
tESt
Autotest
LEd
on
oFF
LED on
LED off
tEMP
Fixture Temperature
FHrS
Fixture Hours
vEr
Software version

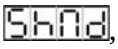
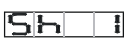
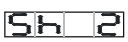
 **DMX 512 Address Setting**

Select the  , press the **ENTER** button and the display will blink. Use the **DOWN** and **UP** button to adjust the DMX512 address between  and  . Once the address has been selected, press the **ENTER** button to setup or automatically exit menu mode without any change after one minute. Back to the previous functions without any change press the **MENU** button.

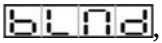
 **Channel Mode**

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

 **Show Mode**

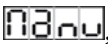
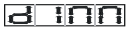
Select the  , press the **ENTER** button and the display will blink. Use the **DOWN** and **UP** button to select the  (Show 1) or  (Show 2)…. (Show 16) Mode. Once selected, press the **ENTER** button to setup. Press the **ENTER** button，  will blink on the display, use **DOWN** and **UP** button adjust the fade time (0~255); press the **ENTER** button to store and  will blink on the display, use the **DOWN** and **UP** button adjust the wait time (0~255), press the **ENTER** button to store or automatically return to the main functions without any change after one minute. To go back to the previous functions without any change press the **MENU** button.

 **Blackout Mode**

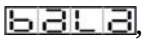
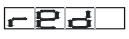
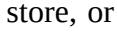
Select the  , press the **ENTER** button and the display will blink. Use the **DOWN** and **UP** button to select the  (blackout) or  (normal). Once selected, press the

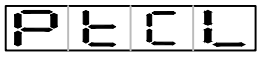
ENTER button to setup or automatically exit menu mode without any change after one minute. To go back to the functions without any change press the **MENU** button.

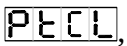
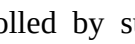
 **Manual Mode**

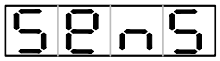
Select the  , press the **ENTER** button and the display will blink. Use the **DOWN** and **UP** button to select the  **(Red)**,  (**Green)**,  (**Blue)**,  (**White)** or  **(Dimmer).** Once selected, press the **ENTER** button to confirm, and use the **DOWN** and **UP** button to adjust the value between  and  , then press the **ENTER** button to store, or automatically exit menu mode without any change after one minute. To go back to the functions without any change press the **MENU** button.

 **White Balance**

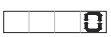
Select the  , press the **ENTER** button and the display will blink. Use the **DOWN** and **UP** button to select the  **(Red)**,  (**Green)**,  (**Blue)**. Once selected, press the **ENTER** button to confirm, and use the **DOWN** and **UP** button to adjust the value between  and  , then press the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

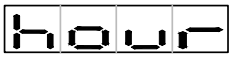
 **Photo Cell**

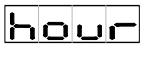
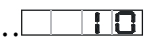
Select the  , press the **ENTER** button and the display will blink. Use the **DOWN** and **UP** button to select the  (Be controlled by sunlight) or  (Not be controlled by sunlight)， Once select, press the **ENTER** button to setup or automatically return to the main functions without any change after one minute. Back to the previous functions press the **MENU** button.

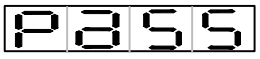
 **Photo Cell Intensity**

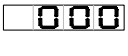
Select the  , press the **ENTER** button and the display will blink. Use the **DOWN** and

UP button to adjust the intensity vale between  **and**  . Once selected, press the **ENTER** button to setup or automatically return to the main functions without any change after one minute. Back to the previous functions press the **MENU** button.

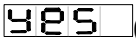
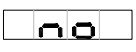
 **Time Setup**

Press the MENU button to show  on the display. Press the **ENTER** button and the display will blink. Use the **DOWN** and **UP** button to select the  (1 hour) …  (10 hours) mode. Once select, press the **ENTER** button to setup or automatically return to the main functions without any change after one minute. Back to the previous functions press the **MENU** button.

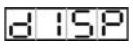
 **Password Setup**

Press the MENU button to show  on the display. Press the **ENTER** button and the display will blink. Use the **DOWN** and **UP** button to select the  …  mode. Once select, press the **ENTER** button to setup or automatically return to the main functions without any change after one minute. Back to the previous functions press the **MENU** button.

 **Key Board Lock**

Press the **MENU** button up to when the  is showing on the display. Press the **ENTER** button and the display will blink. Use the **DOWN** and **UP** button to select the  (lock the key board) or  (normal)，Once select, press the **ENTER** button to setup or automatically return to the main functions without any change after one minute. Back to the previous functions press the **MENU** button.

 **Display Inversion**

Press the **MENU** button up to when the  is showing on the display. Press the **ENTER** button and the display will blink. Use the **DOWN** and **UP** button to select the  (normal)

or dSP (inverse)，Once the mode has been selected, press the **ENTER** button to setup or automatically return to the main functions without any change after one minute. To go back to the previous functions without any change press the **MENU** button.

 **Auto Test**

Press the **MENU** button up to when the tEST is blinking on the display. 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**

Press the **MENU** button up to when the LEd is shown on the display. Press the **ENTER** button and the display will blink. Use **DOWN** and **UP** button to select the on (display on) or oFF (display off 20 seconds after exit menu) mode. Once select, press the **ENTER** button to setup or exit menu mode without any change after one minute. Back to the functions without any change press **MENU** button again.

 **Temperature Test**

Press the **MENU** button up to when the tEMP is blinking on the display. 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**

Press the **MENU** button up to when the FHrS is blinking on the display. 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**

Press the **MENU** button up to when the UEr is blinking on the display. Press the **ENTER**

button and the display will show the version of software 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 master/slave 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. Every time you turn the unit on, it will show 6903 on the display and move all the motors to their 'home' position. After that the unit will be ready to receive DMX signal or run the built in programs.

4.1 Master/Slave Built In Preprogrammed Function

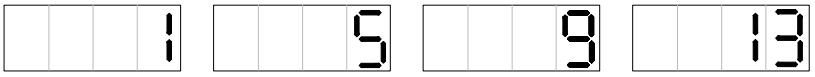
By linking the units in master/slave connection, the first unit will control the other units to give an automatic, sound activated, synchronized light show. This function is good when you want an instant show. In Master/Slave mode, the first fixture whose DMX input jack has with nothing connect will be master automatically, set other units to slave mode

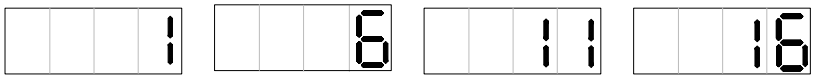
4.2 DMX Controller

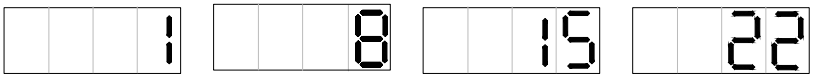
Use universal DMX controller to control the units, you have to set DMX address from 1 to 512 channel so that the units can receive DMX signal.

Press the **MENU** button up to when the Addr is showing on the display. Pressing **ENTER** button and the display will blink. Use **DOWN** and **UP** button to change the DMX512 address. Once the address has been selected, press and keep **ENTER** button pressed up to when the display stops blinking or storing automatically 8 seconds later. 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: 

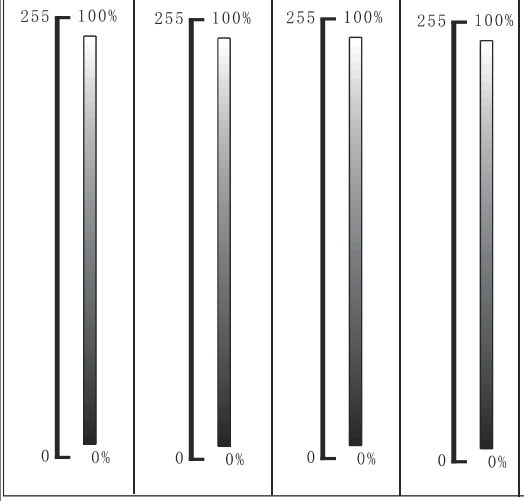
4.3 DMX 512 Configuration

4/5/7 Channels Mode:

DMX512 Configurations

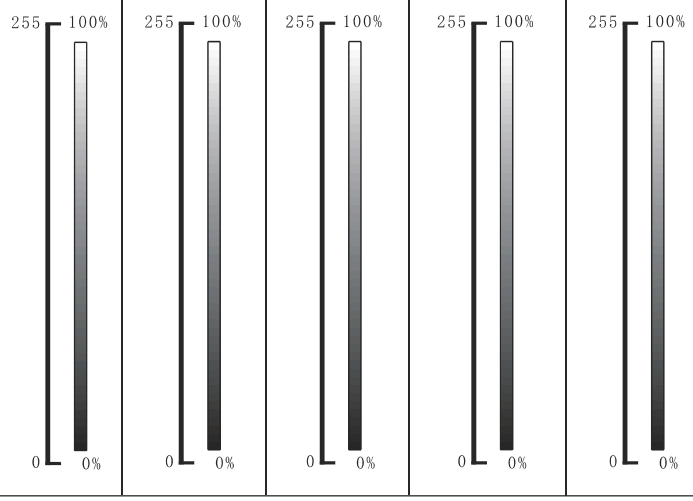
4 Channels (4 Mode)

Ch1	Ch2	Ch3	Ch4
RED	GREEN	BLUE	WHITE



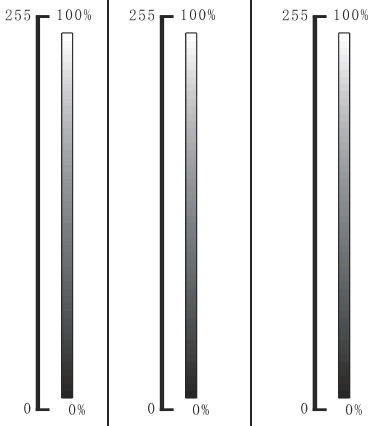
5 Channels (4D Mode)

Ch1	Ch2	Ch3	Ch4	Ch5
RED	GREEN	BLUE	WHITE	DIMMER

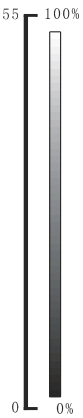


7 Channels (4C Mode)

Ch1	Ch2	Ch3	Ch4	Ch5	Ch6	Ch7
RED	GREEN	BLUE	WHITE	COLOR	DIMMER	STROBE

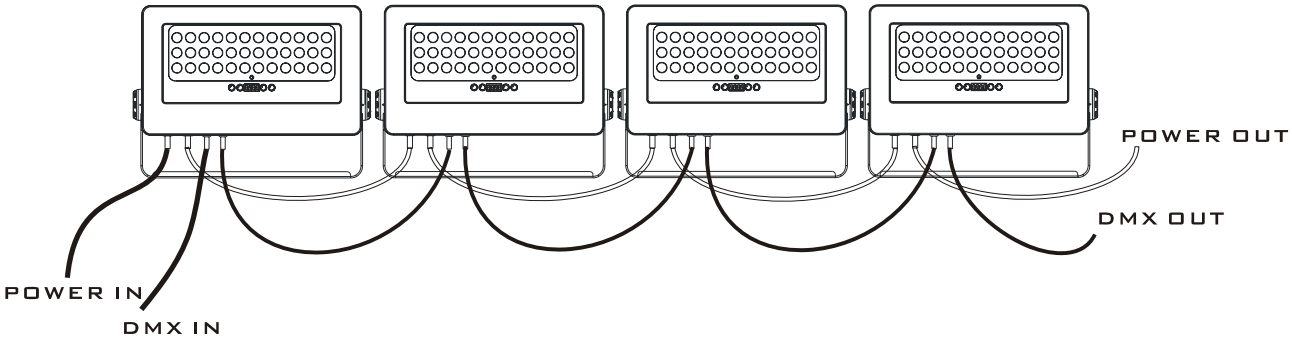


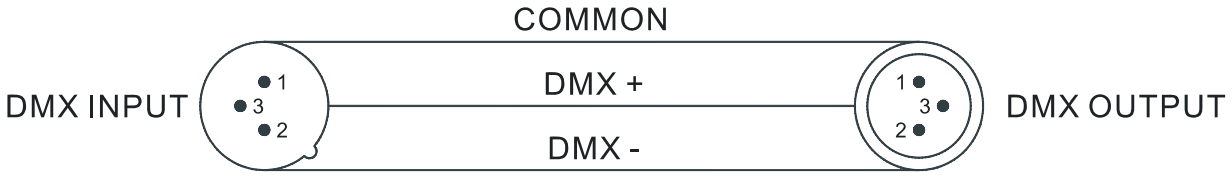
248-255 Preset color32
240-247 Preset color31
232-239 Preset color30
224-231 Preset color29
217-223 Preset color28
209-216 Preset color27
201-208 Preset color26
194-200 Preset color25
186-193 Preset color24
178-185 Preset color23
170-177 Preset color22
163-169 Preset color21
155-162 Preset color20
147-154 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
001-007 OFF



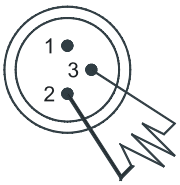
248-255 OPEN
240-247 RANDOM STROBE
232-239 OPEN
SLOW CLOSE
190-231 FAST OPEN
182-189 OPEN
SLOW OPEN
140-181 FAST CLOSE
132-139 OPEN
16-131
8-15 OPEN
0-7 OFF

5. DMX512 Connections





Termination reduces signal errors and to avoid signal transmission problems and interference. It is always advisable to connect a DMX terminal.
(Resistance 120 ohm 1/4W)between pin2(DMX-)and pin3(DMX+) of the last fixture.



1. If you using a controller with 5 pins DMX output, you need to use a 5 to 3 pin adapter-cable.
2. 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.
3. Connect the unit together in a `daisy chain` by XLR plug from the output of the unit to the input of the next unit. The cable can not 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.
4. The DMX output and input connectors are pass-through to maintain the DMX circuit, when one of the units' power is disconnected.
5. Each lighting unit needs to have an address set to receive the data sent by the controller. The address number is between 0-511 (usually 0 & 1 are equal to 1).
6. The end of the DMX 512 system should be terminated to reduce signal errors.
7. 3 pin XLR connectors are more popular than 5 pin XLR.
   3 pin XLR: Pin 1: GND, Pin 2: Negative signal (-), Pin 3: Positive signal (+)

5 pin XLR: Pin 1: GND, Pin 2: Negative signal (-), Pin 3: Positive signal (+), Pin 4/Pin 5: Not used.

6. Troubleshooting

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

Problem	Possible Cause	Action
The unit does not work, no light.	Incorrect power cable connection.	Check the connection of power.
	Incorrect mains voltage.	Measure the mains voltage on the main connector.
The unit does not respond properly to the DMX control.	Incorrect DMX cable connection.	Check DMX connectors and cables to see if link properly. Repair or replace damaged wires.
	Incorrect address assignment to the units.	Check the addresses of the units and the protocol settings.
	Unfinished data connection.	Insert a terminal plug in the output jack of the last unit of the connection.
	It has been set up an operating mode different from the DMX mode used.	Check the operating mode set up.
		Try to use another DMX controller.

7. Fixture Cleaning

The cleaning of internal 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 fixture’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. Clean the internal optics at least every 30/60 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 89/336/EEC.

EN55103-1: 2009 ; EN55103-2: 2009; EN62471: 2008;
EN61000-3-2: 2006 + A1:2009 + A2:2009; EN61000-3-3: 2008.

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Harmonized Standard

EN 60598-1:2008 + All:2009; EN 60598-2-17:1989 + A2:1991; EN 62471:2008; EN 62493: 2010
Safety of household and similar electrical appliances
Part 1: General requirements

Http://www.visio-led.com

Specifications are subject to change without prior notice.