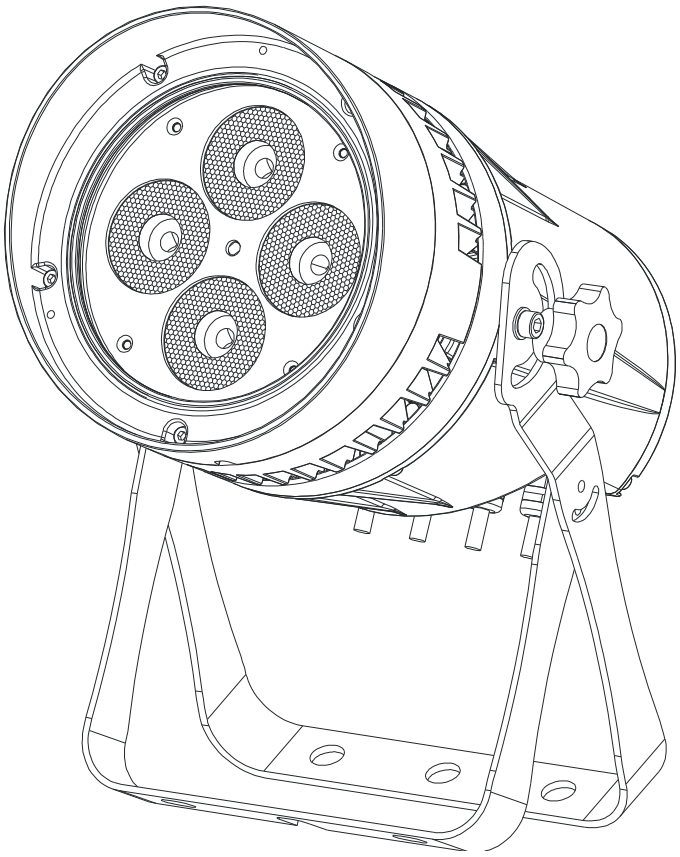
BUILDING PROJECTOR



AEDI WASH GLOBUS 16 MC

User Manual

Please read the instructions carefully before use

Version 1.0

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.

DANGER! Safety hazard. Risk of severe injury or death.

DANGER! Hazardous voltage. Risk of lethal or severe electric shock.

WARNING! Fire hazard.

WARNING! LED light emission. Risk of eye injury.

WARNING! Burn hazard. Hot surface. Do not touch.

WARNING! Refer to user manual.

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 that there is no transportation damage before using the unit per first time.
- Please install and operate by qualified technician.
- Use safety chain when fixes the unit.
- The unit must be installed in a location with adequate ventilation, at least 50 cm from adjacent surfaces.
- Before operating, ensure that the voltage and frequency of power supply match the power requirements of the unit.
- It is important to ground the yellow/green conductor to earth in order to avoid electric shock.
- Maximum ambient temperature Ta: 40°C. DO NOT operate it where the temperature is higher than this.
- DO NOT connect the device to any dimmer pack.
- 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°C. DO NOT touch the housing bare-hand 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 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 around other cables.
- Replace fuse only with the same type.
- In the event of serious operating problem, stop using the unit immediately.
- The housing and the lenses 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 center for any service.
- Disconnect the mains power if the fixture is not used for a long time.
- DO use original packing materials to 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.

If you use a 230V 50Hz power supply, DO NOT connect in series more than 20 units; use another main supply for the next 20 fixtures.
If you use a 120V 60Hz power supply, DO NOT connect in series more than 10 units; use another main supply for the next 10 fixtures.

The manufacturer does not take responsibility if the device is operated under conditions other than described in this manual. The product may suffer damage and the guarantee becomes void.

2. ABOUT THE PRODUCT

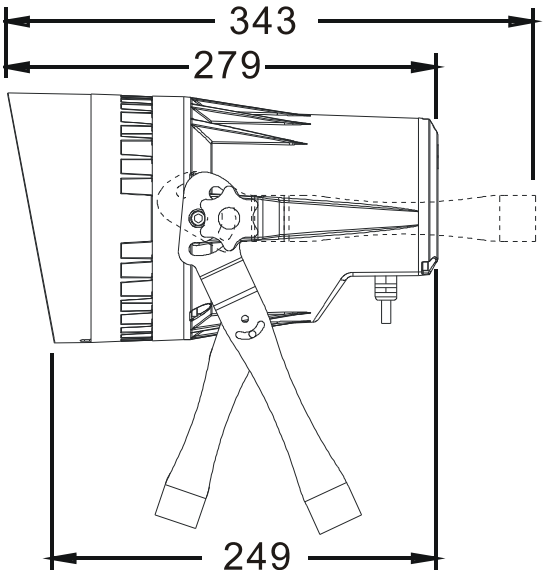
The stylishly modern and unassuming exterior of AEDI WASH GLOBUS houses state-of-the-art RGBW LED technology and made using the highest quality materials and construction methods. Bringing the flexibility to outdoor application, this powerful lighting fixture is ideally suited to use in landscape and building illumination, and IP66 ensures safe operation in even the most demanding areas. With integral built-in AC/DC power supply of 230V AC.

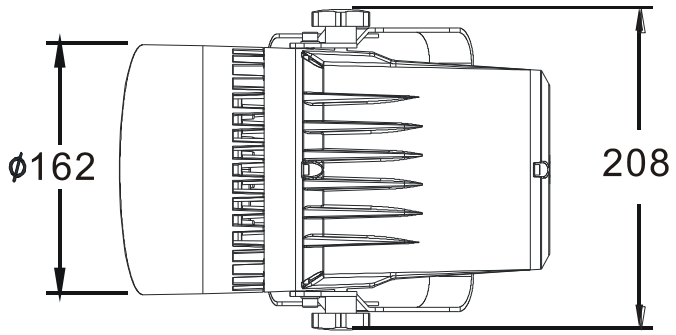
3. TECHNICAL SPECIFICATIONS

Features:

- IP66 rated LED Spotlight with a saturated color mixing effect via lens specially designed to provide outstanding light output.
- Proper thermal management with active cooling system and heavy duty design to ensure reliable performance under harsh environment.
- Featuring 4pcs×10W CREE LEDs for excellent color mixing.
- With Photocell (light sensor) feature, units can light up automatically when the environment is getting dark.
- A nice design to put diffusion filter for changing beam angles.
- LED touch-panel display for easy set-up navigation;
- It comes with great built-in shows (fade) without DMX control.
- Perfect for illumination of building façade, hotels, landscapes, theme park and more.

• **Mounting：**	Manual Tilt Adjustable Bracket
• **Optical systems:**	10° / 16° / 30°
• **Light Source**:	4×10 W Multichip RGBW CREE LEDs
• **LED color variants:**	red / green / blue / neutral white (4000° K)
• **Lumen Output:**	> 1253 lm
• **Input Voltage：**	100-240V AC 50/60Hz Daisy Chain System
• **Wiring:**	Dimmable Electronic Control Gear USITT DMX 512 A
• **Power Consumption：**	Max. 45 W / Average consumption in color mixing mode 30 W
• **Power cable connection:**	IP rated connectors
• **Service lifetime:**	50,000 hrs / L70 /@ 25°C
• **Operating ambient tem:**	-20°C/+40°C
• **Materials:**	Housing: die-cast aluminum. Cover: clear hardened glass.
• **IP Rating:**	IP66
• **Dimension：**	343× 208×162mm
• **Weight：**	3.8 kg
• **Finishing:**	White aluminum. **(**RAL 9006)
• **Accessories:**	DMX controllers: AEDITEMPA ATTACA & AEDITEMPA LIBA



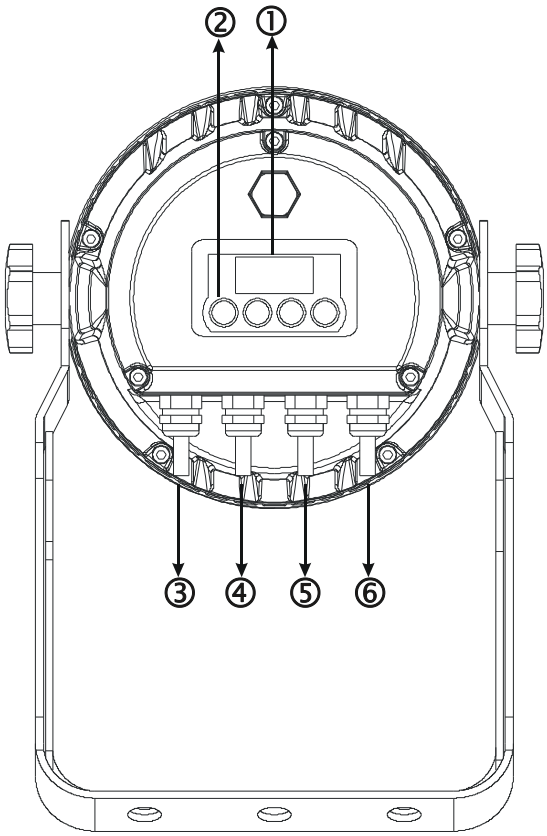


4. ACCESSORIES

- Power Extension Cable 1, 2, 5, 10 m.
- DMX Extension Cable 1, 2, 5, 10 m.

5. HOW TO SET THE FIXTURE

5.1 CONTROL PANEL



1. DISPLAY:

To show the various menus and the selected functions

2. BUTTON:

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

3. DMX IN:

Water proof 3-pin XLR connectors for DMX 512 operation

4. POWER IN:

Water proof connectors for power input

5. POWER OUT:

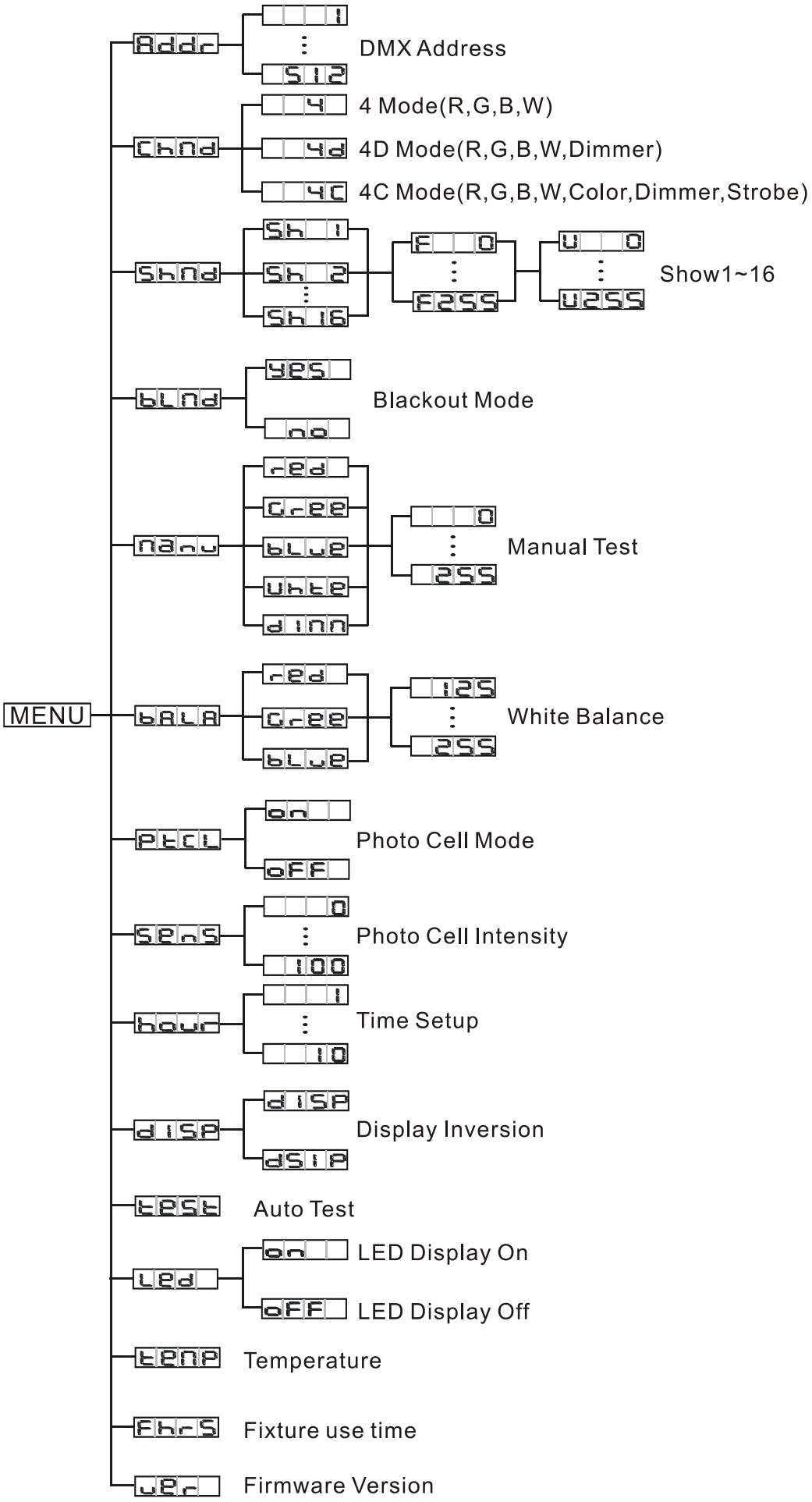
Water proof connectors for power output

6. DMX OUT:

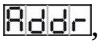
Water proof connectors for DMX 512 operation with 3-pin XLR plug

5.2 MAIN FUNCTIONS

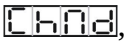
To select any functions, press the **MENU** button until the required one is shown on the display. Select the function by the **ENTER** button and the display will blink. Use the **DOWN** and **UP** button to change the mode. Once the required mode has been selected, press the **ENTER** button to setup 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:


MENU
Addr
1
512
DMX Address
ChNd
4
4 Mode(R,G,B,W)
4d
4D Mode(R,G,B,W,Dimmer)
4C
4C Mode(R,G,B,W,Color,Dimmer,Strobe)
ShNd
Sh 1
Sh 2
Sh 16
F 0
F255
U 0
U255
Show1~16
bLNd
yES
no
Blackout Mode
MAnU
red
Gree
bLUE
WHtE
dIMM
0
255
Manual Test
bALA
red
Gree
bLUE
125
255
White Balance
PtCL
on
oFF
Photo Cell Mode
SEnS
0
100
Photo Cell Intensity
hour
1
10
Time Setup
dISP
dISP
dSIP
Display Inversion
tESt
Auto Test
LEd
on
oFF
LED Display On
LED Display Off
tEMP
Temperature
FHrS
Fixture use time
VEr
Firmware Version

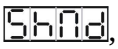
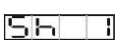
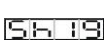
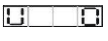
 **DMX 512 Address Setting**

Select the  , press the **ENTER** button and the display will blink. Use the **DOWN** and **UP** button to adjust the DMX512 address between 1 and 512. Once the address has been selected, press the **ENTER** button to save or automatically exit menu mode without any change after one minute. Back to the previous functions without any change press the **MENU** button.

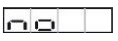
 **Channel mode**

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 the required mode, 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)….  (show 19). Once select, press the ENTER button to setup. press the ENTER button，  will blinking on the display, use DOWN and UP button adjust the fade time (0~255), press the ENTER button to store and  will blinking on the display, use the DOWN and UP button adjust the white 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 **ENTE**R 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.

MANU Manual Mode

Press the MENU button up to when the MANU is shown on the display. Press the ENTER button and the display will blink. Use the DOWN and UP button to select the rEd（Red）, GrEE（Green), bLuE（Blue）, WhtE（White）, dIMM（Dimmer） or StrO（Strobe）. Once selected, press the ENTER button to setup, then use the DOWN and UP button to adjust the value (0~255) or automatically exit menu mode without any change after one minute. To go back to the functions without any change press the MENU button.

BALA White Balance

Press the MENU button up to when the BALA is showing on the display. Pressing the ENTER button and the display will blink. Use the DOWN and UP button to select the rEd（Red），GrEE（Green），or bLuE（Blue）mode. 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.

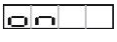
DISP Display Inversion

Select the DISP, press the ENTER button and the display will blink. Use the DOWN and UP button to select the on（normal）or oFF（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.

tESt Auto Test

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

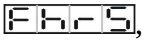
 **LED Display**

Select the  , press the ENTER button and the display will blink. Use the DOWN and UP button to select  （LED display on）or  （LED display off 20 seconds after exit menu）. Once select, press 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.

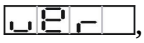
 **Temperature**

Select the  , press the ENTER button and the display will show the current running temperature of the fixture. 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 running time of the fixture. To go back to the functions press the MENU button.

 **Firmware version**

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

6. HOW TO CONTROL THE UNIT

You can operate the unit 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  on the display. After that the unit will be ready to receive DMX signal or run the built in programs.

6.1 DMX Controller

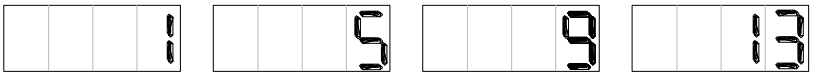
Use universal DMX controller to control the units, you have to set DMX address from 1 to 512 channel so that the units can receive DMX signal.

Press the MENU button up to when the  is showing on the display. Pressing ENTER button

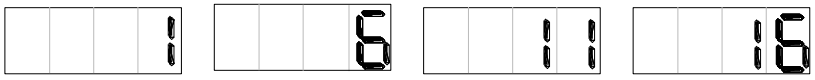
and the display will blink. Use DOWN and UP button to change the DMX512 address. Once the address has been selected, press and keep ENTER button pressed up to when the display stops blinking or storing automatically 8 seconds later. To go back to the functions without any change press the MENU button again

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

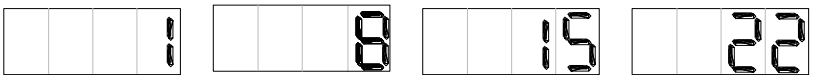
4 channels mode:



5 channels mode:



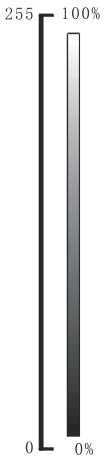
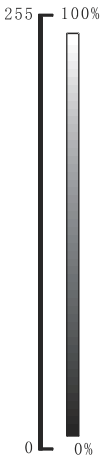
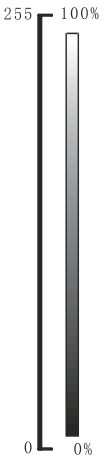
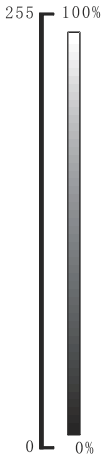
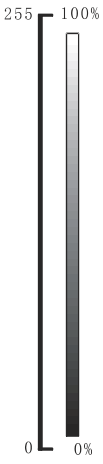
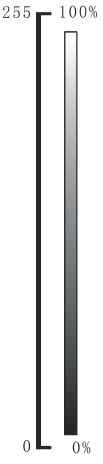
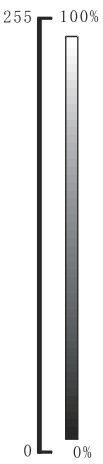
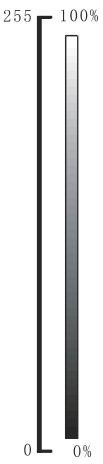
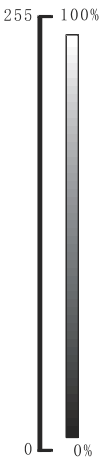
7 channels mode:

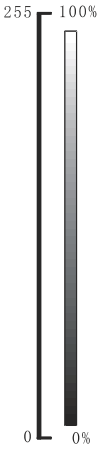
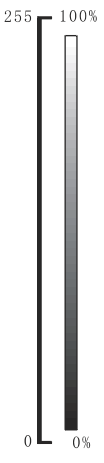
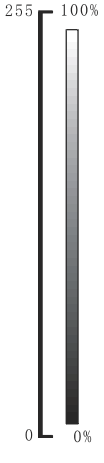
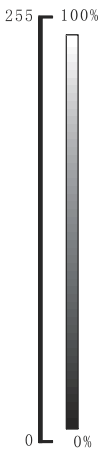
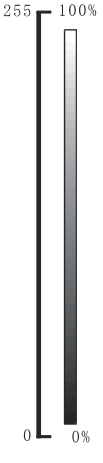
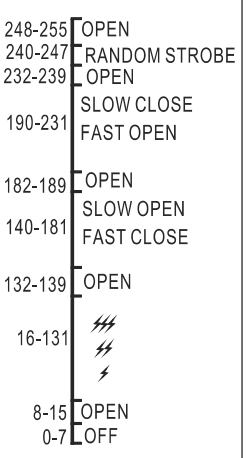


6.3 DMX 512 Configuration

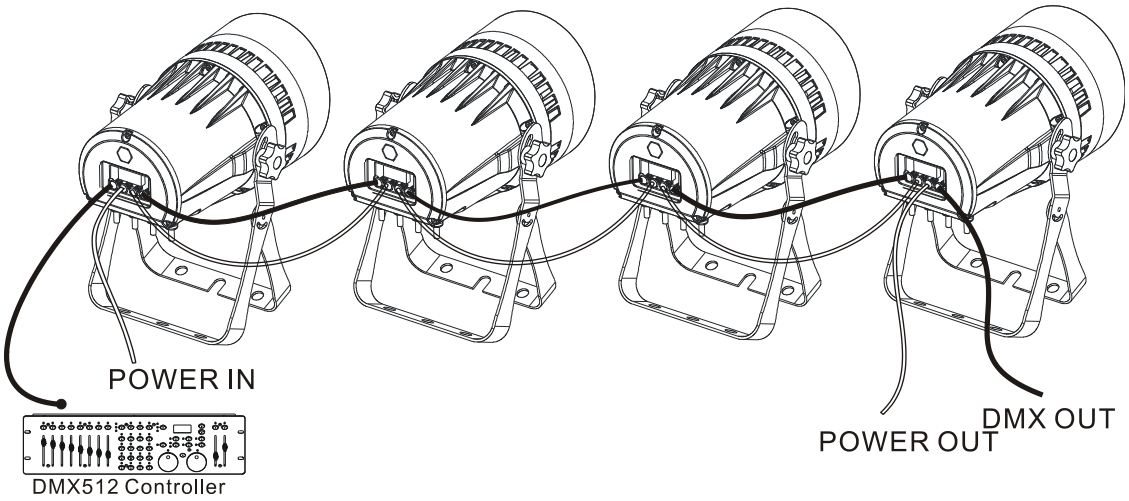
4/5/7 Channels Mode:

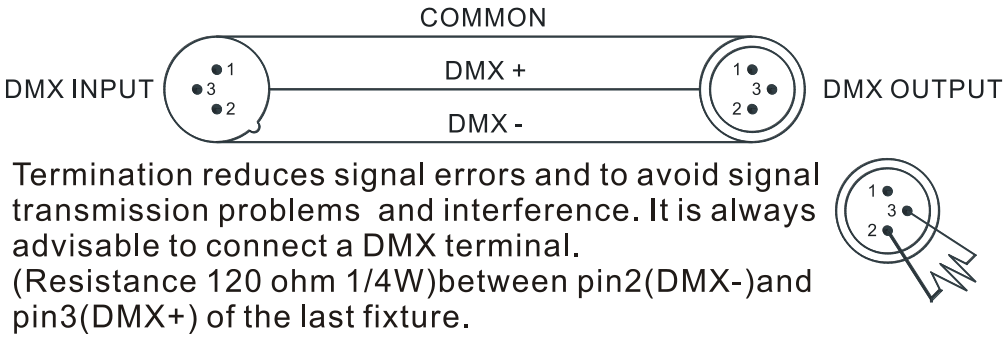
DMX512 Configurations

4 Channels Mode				5 Channels Mode				
Ch1	Ch2	Ch3	Ch4	Ch1	Ch2	Ch3	Ch4	Ch5
Red	Green	Blue	White	Red	Green	Blue	White	Dimmer
								

7 Channels 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		

7. 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 use a controller with 5 pins DMX output, you need to use a 5 to 3 pin adapter-cable.
2. 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 cannot 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' powers is disconnected.
4. 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).
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 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.

8. 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.

9.FIXTURE CLEANING AND MAINTANCE

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

- Clean with lint-free cloth using normal glass cleaning liquid.
- Always dry the parts carefully.
- Clean the surface at least every 30 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.

&

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

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