OUTDOOR LED WALL WASH LIGHT

VG-LC243C

USER MANUAL

📖Caution: please read this user manual carefully before you initially start-up.

http://www.vangaa.com

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Ⅰ. INTRODUCTION

Thank you for using our product! This product is designed for indoor and outdoor use. It is suitable for disco, stage, building and other decorating places. As the high power LED Wall Wash Light, this product can be operated as a single unit or in multiple units for large applications. Direct input of DMX512 signal to unit to allow it can be controlled by any DMX512 controller. Powerful internal programs and friendly and convenient operation interface allow customers to program freely to any different lighting project requirements for installation or shows.

This high power LED wall wash light has got the nice sculpt, efficient, save electricity and durable. The light is small, but very brightness and stable. Please read this manual carefully and completely. For technical reference in future, please keep it well. This user manual contains all installation and operation information of this LED Wall Wash Light, it's very useful for user to install and operate the light. Please strictly abide by the relevant instruction for the installation and operation.

This light meets the following criteria:
GB7000.1-2007/IEC60598-1:2003
GB7000.217-2008/IEC60598-2-17:1984+A2:1990

Once receiving the fixture, please open the carton board box carefully, and check the contents to ensure that all parts are presents, and have received the products in a good condition. Notify the shipper immediately and retain packing material for inspection if the products or any parts appear damaged from shipping or the carton itself shows, sign of mishandling. Save the carton and all packing materials. In the event that a fixture must be returned to the factory, it is important that the fixture be returned in the original factory box

and packing. Please check the packing list as below:

LED Wall Wash Light-------- 1pc

User Manual ---------------- 1pc

Ⅱ. SAFETY WARNING

Every person involved with the installation, operation and maintenance of this device has to know:

1). This product must be installed by a qualified professional;

2). This product left the place of manufacture in perfect condition. In order to maintain this condition and for safe operation, the user must always follow the instructions and safety warnings described in this user manual;

3). Manufacturer will not with responsibility for those operations not according to this Instruction.

Ⅲ. OPERATION ATTENTION

・Do not connect power cable of other electric products with this unit;

・Do not connect DMX512 Signal cable of other electric products with this unit;

・Always make sure that you are connecting to the proper voltage, and that the line voltage you are connecting to is not higher than that stated on the decal or rear panel of the fixture;

・Always ground (earth) the fixture electrically;

・During long periods of non-use, disconnect the unit's main power;

・Do not attempt to operate this unit if the power cord has been frayed or broken;

・There are no user serviceable parts inside the unit. Do not open the housing or attempt any repairs yourself;

・Maximum ambient temperature (Ta) is 35°C. Do not operate fixture at temperatures higher than this;

・The surface temperature of the light can reach to 65° C, cool down at least before you operate the light;

・The minimum distance between light-output and the illuminated surface must be more than 1 meters. Keep all combustible materials (for example fabric, wood, paper) at least 0.5 meters away from the fixture;

・Avoid looking directly into the light source (especially those who suffer from epileptic fits);

・Always mount this unit in safe and stable matter;

・When suspending the fixture above ground level, verify that the structure can hold at least 10 times the weight of all installed devices;

・Verify that all external covers and rigging hardware are securely fastened and use an approved means of secondary attachment such as a safety cable;

・Block access below the work area whenever installing or removing the fixture.

・Avoiding hit the Light when you are move or install the light;

・If the exterior cord of the fixture is damaged, it must be replaced by manufactory, agent or a qualified technician.

Ⅳ PRODUCT MAIN FEATURES

6 DMX channel mode optional, with digital tube display and four control buttons;

DMX-512, Master/slave control mode;

IP65 rating;

With strobe function;

Long LED lifespan can reach to 50,000hours;

High efficiency, electricity saving, low heat;

Standard DMX-512 communication protocol;

Easy for power connection.
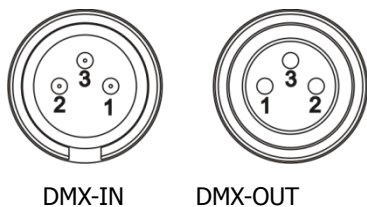
Ⅴ INSTALLATION INSTRUCTION

Before plug-in the power, please make sure the voltage, frequency of the light are

correspond to the power. And ensure the grounding line of the light working reliable.

You can distinguish the different power cords as below:

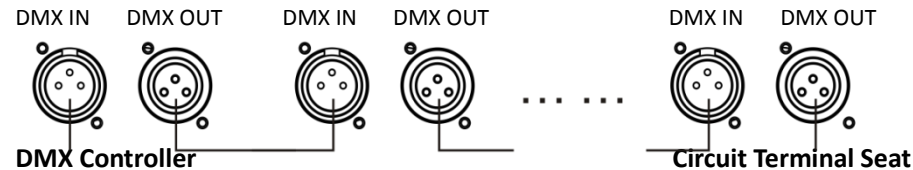| Color of the Power Cord	Connection
Brown	Live line
Blue	Neutral/Null line
Yellow green	Earth line

1. Signal Connection

This light provide 3 pins cannon seats, Pin1 for signal ground, Pin2 for signal-, Pin3 for
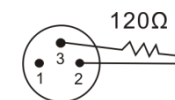
signal+.

DMX-IN   DMX-OUT

The controller, light and light will be connected by 3 pins signal cables one by one.
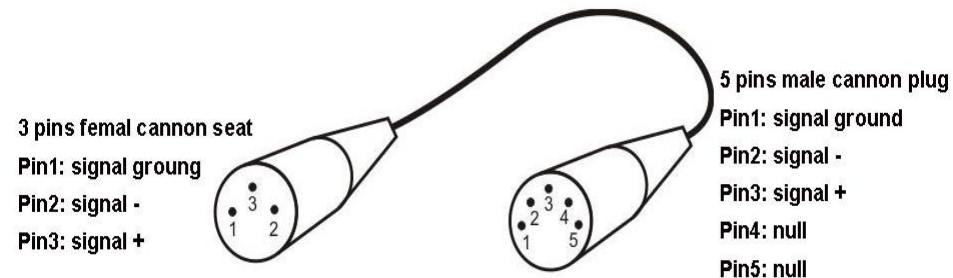
You can connect the output of the controller with input of the first light, and connect the

output of the first light with the input of the second light in the DMX control mode, 03

on one by one. And please connect the output of the last light with the terminal seat. You

can don't need the controller and circuit terminal seat in the master/slave controller mode.

DMX IN   DMX OUT   DMX IN   DMX OUT   DMX IN   DMX OUT

DMX Controller   **Circuit Terminal Seat**

You can use one 120Ω& 0.25W resistance to insert into and weld the pin2 & pin3 of one

male cannon plug to make the circuit terminal seat. The circuit terminal seat can avoid

DMX-512 signal reflex and interference effectively.

120Ω

If the output of your controller is using 5 pins cannon seat, please use 5pins into 3pins

signal change cable.

3 pins femal cannon seat
Pin1: signal groung
Pin2: signal -
Pin3: signal +

5 pins male cannon plug
Pin1: signal ground
Pin2: signal -
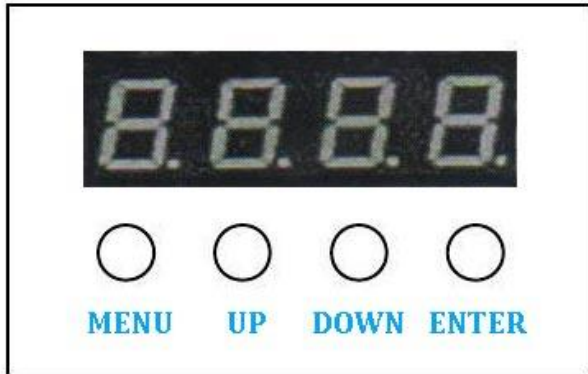Pin3: signal +
Pin4: null
Pin5: null

2. Installation Method

The light can be placed on the solid plane places, then loosen the screw on both sides of the

handles to adjust the right project angle. Please pay attention the places are

non-flammable.

Install the clamp into the hole of the handle, and hang it on the truss then. You can

adjust the right project angle through the screw of the both sides of the light. It's

important that you have to use one or more protection measures to prevent the light will

fall, such as the safety rope. You can buy the clamps and safety ropes from our

company.

Ⅵ OPERATION OF THE CONTROL PANEL

1. Basic using:

MENU: Main menu change

UP: Scroll up the menu items or browse increasing parameters

DOWN: Scroll down the menu items or browse diminishing parameters

ENTER: Confirm/Save/Access submenu

2. Operate step:

Step 1 : Press **MENU** to previous menu, then could choose **MENU**

Step 2 : Press **UP** or **DOWN** , then revise setting

Step 3 : Press **ENTER** to sub-menu

Step 4: Press **ENTER** to save or confirm

3. Menu Navigation

NO.	LED Display	Functions
1	A001	DMX address for 8 Channels(001-512)
2	D001	DMX address for 4 Channels(001-512)

3	Cc00	Seven color jumping Speed from 01 to 99 You can control speed through the "UP" and "Down"
4	Cp00	Seven color slowly Speed from 01 to 99 You can control speed through the "UP" and "Down"
5	De00	RGB Color mixing Speed from 01 to 99 Seven color changing controlled by voice active!
6	R000	Red, (000—255) You can Dim the Red color through the key "**UP**" And "**DOWN**"
7	G000	Green, (000—255) You can Dim the Green color through the key "**UP**" And "**DOWN**"
8	B000	Blue, (000—255) You can Dim the Blue color through the key "**UP**" And "**DOWN**"
9	W000	White, (000—255) You can Dim the White color through the key "**UP**" And "**DOWN**"

Ⅶ. DMX CHANNEL CHART

8 DMX Channels

CH	Function	DMX Value	Description
1	**General dimmer**	0-255	R,G,B,W general linear dimmer, from dark to brightness
2	**General strobe**	0-255	R,G,B,W general strobe, from slow to fast
3	**Function choose**	0-50	8 DMX channel
		51-100	Jump change
		101-150	Fade change
		151-200	Pulse change
		201-255	Sound active
4	**Function speed**	0-255	Function speed, from slow to fast

5	**Red dimmer**	0-255	Red linear dimmer, from dark to brightness
6	**Green dimmer**	0-255	Green linear dimmer, from dark to brightness
7	**Blue dimmer**	0-255	Blue linear dimmer, from dark to brightness
8	**White dimmer**	0-255	White linear dimmer, from dark to brightness

4 DMX Channels

CH	Function	DMX Value	Description
1	**Red dimmer**	0-255	Red linear dimmer, from dark to brightness
2	**Green dimmer**	0-255	Green linear dimmer, from dark to brightness
3	**Blue dimmer**	0-255	Blue linear dimmer, from dark to brightness
4	**White dimmer**	0-255	White linear dimmer, from dark to brightness

Ⅷ. TECHNICAL SPECIFICATION

·Input voltage: AC90~240V, 50/60Hz

·Power consumption: 100W

·Light source: 24pcs 3W RGB 3in1 LEDs

·LED lifespan: 50,000hours

·Beam angle: 25degree

·Housing material: dia-casting aluminum

·IP rating: IP65

·Grey scale: 4096degree

·Working temperature: -25centigrade~+45centigrade

·Effect: 0~100% dimmer, strobe, color change, color fade, running effect

·Control mode: DMX mode, Auto mode, Master/slave mode, sound active

·DMX Channel: 8CH

Technology, Innovate, Service, Working for your lights!