


# 200W LED Audience Blinder Light

VG-AB2-QL



CE RoHS

## User Manual

 Please read this user manual before using this product!

Keep it for further reference!

<http://www.vangaa.com>

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**I . GENERAL**

Thank you for using our products. This product is designed for indoor use. It is suitable for stage, night bar, performance, event and other entertainment places. As the Indoor LED Audience Blinder 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.

The operation is very simple, user-friendly design, dimming without flicker, jitter phenomena. Can be adapted to photography, television and other strict demanding situations for lighting

This product complies with the following standards:

IEC60598-1:2003

IEC60598-2-17:1984+A2:1990

On receiving products, please carefully check that there has been no damage caused in transportation and that the following parts are enclosed:

Power Cable ----- 1pc

Signal Cable ----- 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 INSTALLATION INSTRUCTION

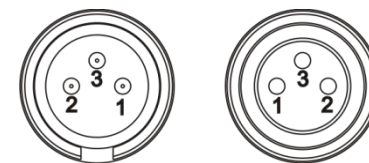
Before plug-in the power, please make sure the voltage, frequency of the light are correspond to the power. And ensure the grounding line of the light working reliable.

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+.

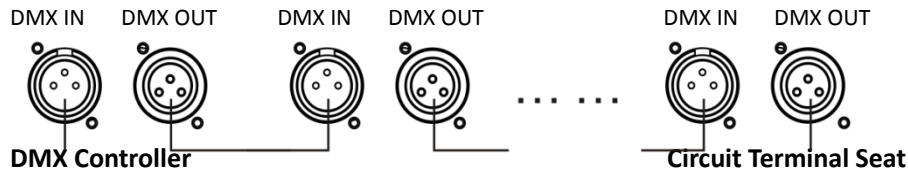


DMX-IN

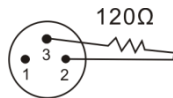
DMX-OUT

The controller, light and light will be connected by 3 pins signal cables one by one.

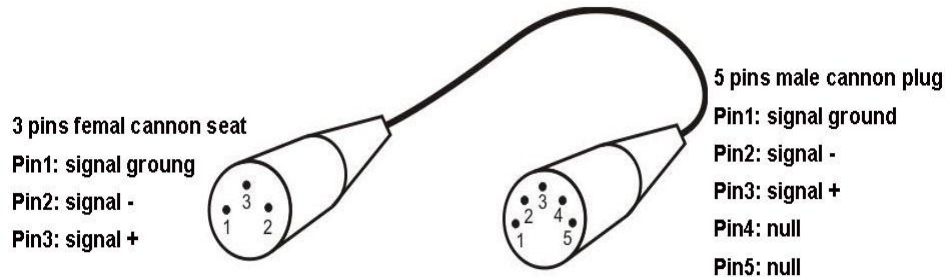
You can connect the output of the controller with input of the first light, and connect the output of the first light with the input of the second light in the DMX control mode, and so on one by one. And please connect the output of the last light with the terminal seat. You can don't need the controller and circuit terminal seat in the master/slave controller mode.



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.



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

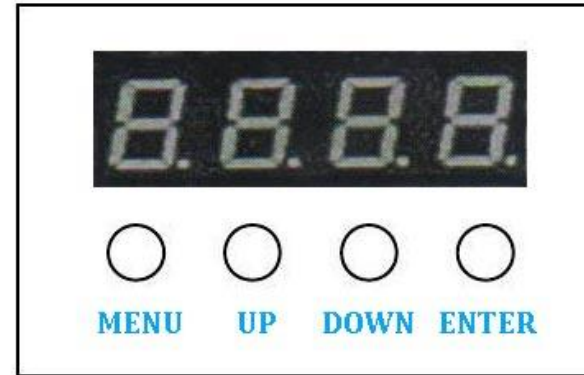


## 2. Installation Method

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.

## V 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

## VI FUNCTION MENU

All menus according to the selected and then press the **MENU** key to confirm

MENU NAVIGATION		
CODE	NAME	FUNCTION DESCRIPTION
A.***	DMX standard mode	" A "flashes when working mode is not confirmed, decimal point is not bright when under slave mode, *** is address value," *** "flashes when address value is not confirmed
S.***	DMX simple mode	" S "flashes when working mode is not confirmed, decimal point is not bright when under slave mode, *** is address value," *** "flashes when address value is not confirmed
AF.**	Automatic gradual running	** for running speed of 1-99
AL.**	Automatic jump operation	** is running speed 1-99
MS.**	Sound active operation	** for sound active sensitivity 0-99-FL
d1.**	Single scene operation	** is LEDx's dimming value 0-99-FL
d2.**		
d3.**		
d4.**		
d5.**		
d6.**		
d7.**		
dF.**	Single scene running stroboscopic	** is stroboscopic speed 0-99-FL
t.***	Check temperature	
V.***	Check software version	
H.on/H.off	Lost DMX setting	on means hold the last value, off means delay reset
dim.1-4	Dimming speed	Dim.1-4 curve speed, from 1 to 4 different speed
( A.*** MENU Press Down&Up Together enter the factory mode		
F.Set	C.018	
	LEdS	Led.x
	t.SET	t.***
	POWE	p.***
	AdJ.x	x.***
	dAt.y	xxxx
	dAt.M	xx
	dAt.d	xx
	WAIt	---

## VII. DMX CHANNEL CHART

### 2 Channel Mode

CH	Name	DMX Value	Function
CH1	Dimmer 1	000←→255	Dimmer of Lamp 1
CH2	Dimmer 2	000←→255	Dimmer of Lamp 2

### 3 Channel Mode

CH	Name	DMX Value	Function
CH1	Dimmer 1	000←→255	Dimmer of Lamp 1
CH2	Dimmer 2	000←→255	Dimmer of Lamp 2
CH3	Strobe	000←→004 005←→104 105←→154 155←→204 205←→229 230←→255	No strobe Strobe from slow to fast Strobe: slow power on, slow power off(slow-fast) Strobe: slow power on, fast power off(slow-fast) Strobe: thunder style (slow-fast) Strobe: random (slow-fast)

## VIII. TECHNICAL SPECIFICATION

- Input voltage: AC90~240V, 50/60Hz
- Power consumption: 200W
- Light source: 2pcs 100W white LEDs
- LED lifespan: 100,000hours
- Half beam angle: 60degree
- Housing material: steel
- IP rating: IP20
- Grey scale: 4096degree

- Working temperature: -25centigrade~+35centigrade
- Effect: 0~100% dimmer, strobe, color change, color fade
- Control mode: DMX mode, Auto mode, Master/slave mode, sound active
- DMX Channel: 2CH, 3CH

**Technology, Innovate, Service, Create Max. Value for Clients!**