

**2X100w WW COB LED Blinder Light**  
**USER MANUAL**



**CE RoHS**

MODEL NO.	L-332
NAME	2X100w WW COB LED Blinder Light

**LEDLA** L-332 WW COB

# OVERVIEW

Thank you for using our product, this unit is designed for indoor using, it's widely used for stage, building, disco, etc. as high power led effects lighting, this unit can be operated as a single unit or multiple units for large applications. Direct input of DMX512 signal to unit to allow it controlled by any DMX controller, powerful internal programs and friendly and convenient operation interface allows customers to program freely to any different lighting project requirements for installation or showing.

This high power par can has gotten the nice sculpt, efficient, save electricity and durable.

This product complies with the following standards:

EN61000-3-2:2006+A2:2009

EN60598-1:2008+A11:2009

## **Technical Parameter:**

### **Light Source:**

LED: 2 pcs\*100W COB LED

Light Color: Single color WW(100w)

LED Life Time: over 50,000 hours

### **Power supply:**

Voltage :AC100V-240V 50-60Hz

Power consumption :260W

### **Optics:**

Beam Angle: 30 degree

Dimmer: 0~100% linearly adjustable

Strobe effect: Variable speed (1-30Hz)

Refresh rate : 11700Hz! 100% Flicker Free for film and TV camera

### **Features:**

Color effect feature: With individual control effect

Power input : Powercorn connector

House Material: Metal

House Color: Black

### **Control:**

Control mode: DMX512, Master/Slave, Auto Run, Stand alone, Sound active

DMX Channel: 2/5CH

### **Working Environment :**

Working temperature: -30° C~40° C

Cooling : Two low noise fans

IP Grade: IP20

# 1. Product Introduction

## 1.1. Product Feature

- **4 kinds of running mode**
  - External control mode (Slave mode)
    - ◆ DMX 512 controller control(2 kinds channel modes)
    - ◆ Master/salve model control (auto match the signal from controller and the Master light, no need to set by menu)
  - **Auto run mode (Master mode)**
    - ◆ Different kind of Gradual change& Random change
    - ◆ Different kind of Strobe : speed change strobe (slow to fast)、 mixing strobe( Strobe +basic color、 Strobe +Gradual change).....
  - **static mode (Master mode)**
    - ◆ It can fix any color without the controller ,also work this color with strobe
  - **Sound mode (Master mode)**
    - ◆ Included 2 kinds of commonly used sound mode
- **“Software cutting ”**
  - The light would be turn off when the dimmer channel is "0" ( procedure would keep working)
  - The difference with “BLACKOUT” key(controller keys) &"Software cutting" :only work this light , and do not clear up the controller data .
- **No-liner dimmer &liner dimmer**
  - The Effect get high praise from the professional technologist.
- **Screen Protect**
  - It will enter blank screen without any operate on the keyboard in 30 seconds . Press any keys then it can quit screen protection.
- **Temperature Protection**
  - It can be set to temperature protection mode
- **Speed of the Fan**
  - The fan will start to work when the working temperature reach 40 degree, and the speed will be changed according to the change of temperature.
- **Can support reverse display**

## 1.2. Multi-light working in the same time

When using controller to control multi lights to work in strobe, the controller just send the channel data . The strobe effect will be depend on each light itself . And please take attention for the follow situation:

1. There will be many situations make the lights are not synchronization in the beginning. (For example: the different time of opening the light , or different time of them connect to the controller) .In this case, you can change value of the controller( for example push 20 to 0, and back to 20), then it can be synchronization.

2. Due to crystal frequency of different lights are not the same exactly, so it may not be synchronization after long time.

3. If need to keep synchronization for long time, there are two ways to do so:

- A. Using the controller to edit program make the strobe, auto run effect,then they must be synchronization.
- B. Using the Maser/Slave model

## 2. Operation

### 2.1. Key-operation

**A001** (1~512)

**0001** (1~512)

**A0.01** (1~10)

→ **SP.10** (1~20)

**S0d.1** (1~2)

**SEAE** → **r.255** (0~255)

.....

→ **SE.00** (0~20)

**EENP** → **0**

→ **E.080** (40~120)

**d,SP**

**rESE**

#### Menu :

The first list is the main menu (press MENU to exchange), the second list is vice menu (press ENTER to get in or exchange)

If the menu include the decimal point, that's the data, and can be set by the Key of Up/Down.

#### Key operation :

Key of "MENU" (Press it and can save the data)

If it's the main menu, it will exchange to next main menu.

If it's the vice menu, it will back to main menu.

Key of "ENTER" (Press it and can save the data)

If it's the main menu and it have vice menu, it will enter the vice menu.

If it's the vice menu, it will exchange to the next vice menu.

#### Key of "UP/DOWN"

It's no function if the menu not include the decimal point.

If the menu include the decimal point, it can set the data after the decimal point. And it need press "ENTER" to save the data.

## 2.2 Menu

Menu		State	Operation		Remark
Main menu	Vice menu				
<b>R.001</b>	No menu	A: advance	UP/DOWN	adjust ID address	disconnect the controller and connect the master light, then it will follow the master light.
		External control mode (standard channel model)	ENTER	Save ID address	
<b>d.001</b>	No vice menu	d: dmx	UP/DOWN	Adjust ID address	It will flicker when no signal.
		External control mode (basic channel model)	ENTER	Save ID address	
<b>At.01</b>	One vice menu	At: auto	UP/DOWN	choose the program	
		Aoto run model	ENTER	enter the vice menu	
	<b>SP.10</b>	SP: speed	UP/DOWN	adjust speed	
		choose the auto run model	ENTER	save the data	
<b>Sod.1</b>	No menu	Sod: sound	UP/DOWN	change to sound model	
		sound model	ENTER	save data	
<b>StAt</b>	With multi menus	StAt: static	ENTER	enter vice menu	
		static mdel			
	<b>r.255</b> .....	r, G, b, W.....	UP/DOWN	change the color data	
		set the color	ENTER	save the data change to vice menu	
	<b>St.00</b>	St: strobe	UP/DOWN	change the strobe data	
		the strobe and its speed	ENTER	save and exchange	
<b>tEMP</b>	have 2 vice menus	tEMP: temperature	ENTER	enter the vice menu	
		temperature control function			
	<b>0</b>	current temperature	ENTER	change to vice menu	

	<b>E.080</b>	t: top	UP/DOWN	Change the temperature protection data	
		set the temperature protect	ENTER	save and exchange	
<b>d.SP</b>	No vice menu	diSP: display	ENTER	reverse display	
		set to show reverse display			
<b>rEst</b>	No vice menu	reSt: reset	ENTER	enter the interface of key	The password is "UP DOWN UP DOWN"
		return Initial State			

## 2.2. Channel data

### 2.2.1. Standard channel model

channel	data	function	mark
1	0~255	dimmer	
2	0~255	Lamp 1	
3	0~255	Lamp 2	
4	0~10	no strobe	this channel control the speed when running the build-in program
	11~255	the speed of strobe (255 is the fastest)	
5	0~20	speed of dimmer 4 (the slowest and softest)	
	21~40	speed of dimmer 3	
	41~60	speed of dimmer 2	
	61~80	speed of dimmer 1	
	81~99	speed of dimmer off (fastest and no any delay)	
	100~109	inner program 1	
	.....	each 10 data is a program	
	190~199	inner program 10	
200~240	change color by sound control		
241~255	strobe by sound control		

## 2.2.2. Basic channel model

channel	data	function
1	0~255	Lamp 1
2	0~255	Lamp 2

# CONNECTIONS

## DMX512 CONNECTIONS

If using the controllers with this occupation, it can be connected the DMX-output of the controller directly with DMX-input of the first device in the DMX-chain. If it needs to connect DMX- controller with other XIR-outputs, it needs to use a adapter-cables.

Connect the DMX-output of the 1st device in the DMX-chain with the DMX-input of the next device. Always connect one output with the input of the next until all devices are connected.

Notice: Do not connected more than 15pcs units in the same circuit series.

## SAFETY INSTRUCTIONS

When use this product please pay close attention to the following items.

- 1) The product must be installed by a qualified professional
- 2) The 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 warning described in this user manual.
- 3) Manufacture will not with responsibility for those operation not according to this instruction.

### Operation attentions

- 1) Do not connect power cable of other electric products with this unit.
- 2) Do not connect DMX512 signal cable of other electric products with this unit.
- 3) Check the fixture and power cord time to time, make sure the power cord is not crimped or damaged by sharp edges.
- 4) Do not shake the fixture. Avoid brute force when installing or operating, do not permit operation by person not qualified for operating the device.
- 5) Always make sure that the products are connected the proper voltage, and that the line voltage of the products connecting to is not higher than that stated on the decal or rear panel of the fixture.
- 6) During long period of non-use, disconnect the unit's main power
- 7) Do not attempt to operate this unit if the power has been frayed or broken. If the exterior cord of the fixture is damaged, it must be replaced by manufactory, agent or qualified technician.
- 8) There are no serviceable parts inside the unit. Do not open the housing or attempt any repairs yourself.
- 9) Maximum ambient temperature (Ta) is 35°C. Do not operate unit at temperature higher than this
- 10) The surface temperature of the light can reach to 65°C, cool down at least 15 minutes before the light operated.
- 11) Avoid looking into the source directly(especially those who suffer from epileptic fits)
- 12) Do not install the fixture on combustible surface. Always mount this unit in safe and stable mater.



## **DISCLAIMER**

1. The device is with one year warranty . The warranty period appear non-artificial quality problem, this company is responsible for free maintenance
2. User violate operation caused the machine failure, this is user responsibility.
3. If due to the wrong operation or intense impact caused product destroy even safety accidents, the manufacturer does not undertake any responsibility
4. Prohibit replaced product components by any person, therefore caused any consequences will be whose responsible

**Please contact us freely when you need our related products or information...**