



# **EXL-XL Profile Zoom CW+WW 200W**

## **USER MANUAL**



**CE RoHS**

## 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:

- LED POWER: 200W
- LED Color: 200W 2in1 WW+CW
- IC Chip :Epistar
- LED Life Time: over 10,000 hours
- Color Rendering Index(CRI):  $Ra \geq 90$
- Voltage :AC90-260V 50-60Hz
- Max.power consumption: 260W
- Beam angle: Zoom from 15°to 38°
- Dimmer :0~100% linearly adjustable
- Strobe :1-25times/sec
- Refresh Rate:>400 Video Flicker Free
- Focus: Can be adjusted by hand
- Technology: High-quality optical system , Glass reflector
- Control protocol: DMX 512
- Control System: DMX, Auto run and Master/Slave
- DMX Channels: 2/5CH(2in1)
- Working Temperature: -30~40°C
- Cooling System:Low noise fan(one fan)
- Thermal Sensor Monitoring: Over-temperature Protection
- IP Grade: IP20
- Net Weight: 11kgs      Gross Weight: 14kgs
- Packing Size: 80x30.5x31cm

# 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/slave 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 Master/Slave model

## 2. Operation

### 2.1. Key-operation

**A.OO I** (1~512)

**d.OO I** (1~512)

**A.t.O I** (1~10)

→ **SP.10** (1~20)

**Sod.I** (1~2)

**SEAE** → **r.255** (0~255)

.....

→ **SE.OO** (0~20)

**EEEP** → **0**

→ **E.O80** (40~120)

**d,SP**

**r.ESE**

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

		t: top	UP/DOWN	Change the temperature protection data	
		set the temperature protect	ENTER	save and exchange	
	No vice menu	diSP: display	ENTER	reverse display	
		set to show reverse display			
	No vice menu	reSt: reset	ENTER	enter the interface of key	The password is “UP DOWN UP DOWN”
		return Initial State			

## 2.3. Channel data

### 2.3.1. Standard channel model

channel	data	function	mark
1	0~255	dimmer	
2	0~255	color1	
3	0~255	color 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	

### 2.3.2. Basic channel model

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

# SAFETY WARNING

## 1. Warning

- \* Every person involved with the installation , operation and maintenance of this device has to be qualified .
- \* User must follow the instructions of this manual
- \* Unqualified person can not open the housing cover and operate the device , or the dealer will not accept liability for any resulting defects or problems.
- \* The device against rain and moisture

## 2. Waring notes :

- \* Power supply : AC 100V-240V , 50/60Hz
- \* Make sure the power switch is off , the power plug , outlet and the earth connection is in well condition before connecting the device with the mains.
- \* Please use qualified power plug and the outlet. Never connect the power cord of this device with other electrical equipment.
- \* During move and installation , make sure the device not crashed with metal parts and other tough materials.
- \* Always disconnect from the mains, when the device is on the installation and dismantled
- \* The minimum distance between light-output and the illuminated surface must be more than 50cm
- \* The device must only be installed on a non-flammable surface . In order to safeguard sufficient ventilation , leave 50cm of free space around the device . Please note that heat-sensitive objects may be deformed or damaged by the emitted heat .
- \* During the operation the housing becomes very hot ! Do not operate the device for 15 minutes after switching off .
- \* The maximum ambient temperature  $T_a = 45^{\circ}\text{C}$  must never be exceeded , The maximum housing temperature  $T_b = 80^{\circ}\text{C}$  must never be exceeded .
- \* For indoor use
- \* Replace any visible cracked protective shield , filters and lens .
- \* The protective shiel, filters and lens will require weekly cleaning as smoke "Cfluid tends to building up residues , reducing the light "Coutput very quickly.



## APPENDIX

### Problem and solution

Problem	Reason	Resolution
Device not work	No power	<p>AC100V-250V,50HZ/60HZ</p> <p>Check the power connection, and make sure device connect the mains in well condition.</p> <p>Check if switch is on</p> <p>Check if the fuse is good</p>
Led bulb is off	led bulb damaged	Replacing led bulb
	Led driver board damaged	Replacing led driver board
	temperature swtich damaged	Replacing temperature switch
Fans not work	Fans damaged	replacing fans

## **Caution :**

- \* Unqualified person involved with installation , operation and maintenance of this device is prohibited .
- \* If any above mentioned problem happened , or unknown problem happened , please contact manufactory or distributor or distributor for assistance

## **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 informations...**



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