CE RoHS

DAISY

LED WALL WASH

（LED CR-136-RGB）

USER MANUAL

Daisy—Professional stage lighting

Catalogue

Please read over this manual before operating the light

1.Summarize

➢ Summarize

Thank you for purchasing our **LED CR136** lighting. Please read these instructions carefully before begin and operate the fixtures according to these instructions to avoid any possible damages and accidents causes by misusage.

➢ Products introduction

LED CR136 has a die-casting aluminum housing, designed in a fashion of hydrodynamic form. It uses high power R,G,B LED. Each kind of LED can be independently dimmer. It uses power switch, performs low weight and consumption, stable capability and long life. The built-in program includes dimmer, strobe, water, gradual change, fading and so on. International standard DMX 512 signal is requested.

➢ Packing list

- LED **CR136** light   1PC
- DMX signal adaptor cable 1 pc (controller-waterproof signal connector)
- Power in cable   1pc (mains supply-waterproof power connector)
- hanger
- The use manual
- Warranty Card

2. Safety Information

➢ Safety Notes

! Enquire the skilled people before any repair;

! Always make sure disconnect from the power source before setting up, serving and moving;.

! Avoid direct eye exposure to the fixture when it is on;

避免电击!

➢ Safety instruction

● Make sure the power supply voltage are consistent with this lights，Ensure the use of voltage is in the range of the request technical parameter.

●before the installation, please check the light's fasteners and mechanical structure have been received in good condition and appear no damage.

●This light is designed for indoor or outdoor use, working temperature is lower than 50 degree.

●The fixtures maybe mounted in any position provided there is adequate room for ventilation. Make sure there are no inflammable and explosive items (ornaments) in 0.5 meters away.

●Yellow / green cabling earthling safety; no flicker when the fixture is working on.

3. Outside Size Picture
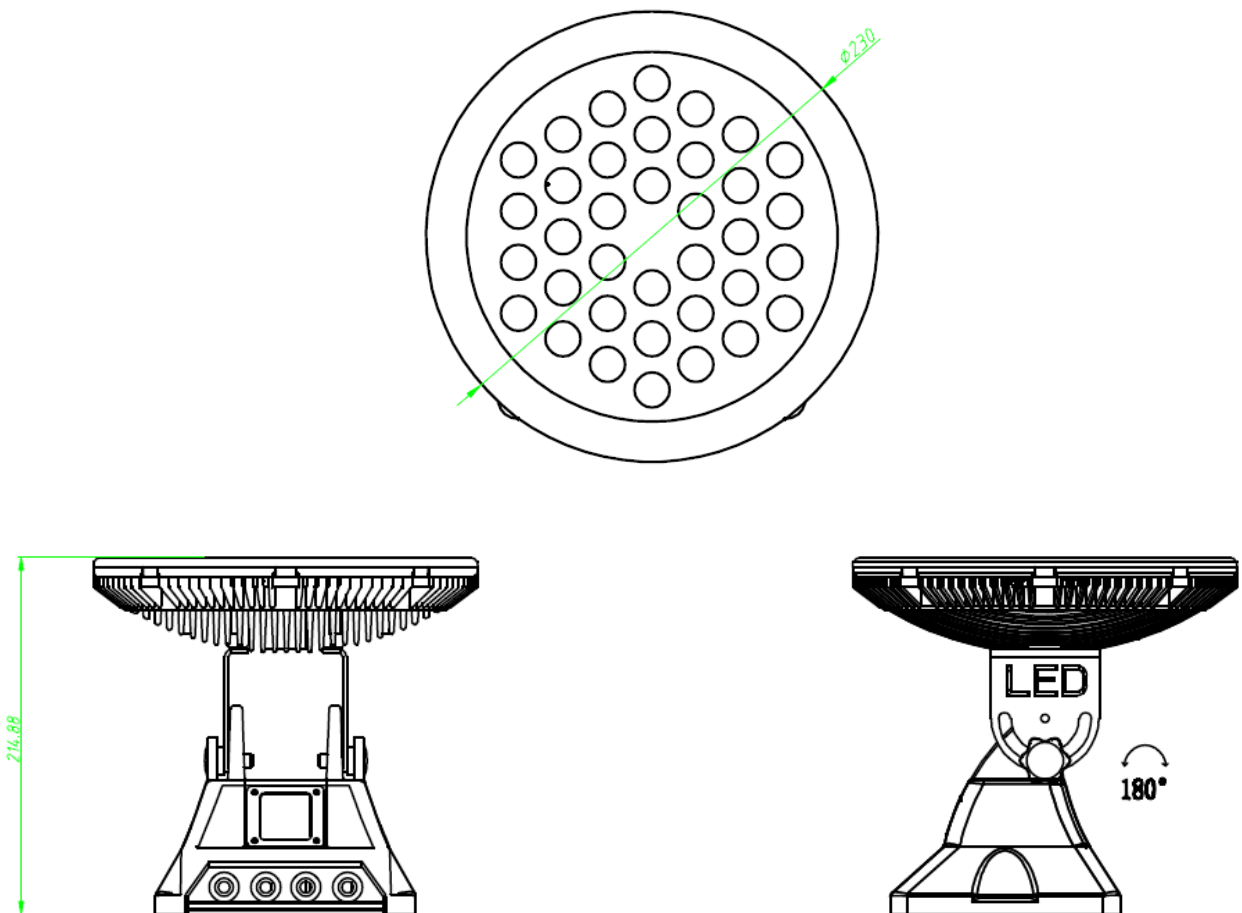
4. Main Function

➢ high quality LED: low consumption, high brightness, stable capability and long life

➢ each color of LED with 16666 steps of dimming. RGB can make over 16.7 million colors.

➢ dim 0%-100%, Strobe、gradual change、jumping change

➢ DMX512 Controller，2 button set DMX ID address with led display

➢ auto run / master slave/interconnected multi-machine control

➢ using switching power supply to protect the LED to work well

➢ lenses: 15º、25º、45º

➢ DMX channels: optional

5. DMX Control Function

➢ **3CH**

DMX Channel	DMX Value	Function	priority
CH1	0—255	R 0—100%	
CH2	0—255	G 0—100%	
CH3	0—255	B 0—100%	

➢ **6CH**

Channel	DMX Value	Function	Remark	priority
1	0-255	General dimming 0——100%	Must use this channel, otherwise no function of dimming	1
2	0-255	R dimming 0——100%		
3	0-255	G dimming 0——100%		
4	0-255	B dimming 0——100%		
5	0-14	dimming	When the 6CH above is 32-223，this channel has the function of speed adjustment0-255	2
	15-255	Strobe speed		
6	0-31	Invalid		
	32-63	From dark to bright	Must use CH1、2、3、4 otherwise no light，From the 5CH, start the speed adjustment	3
	64-95	From bright to dark		
	96-127	From dark—bright—dark		
	128-164	RGB Gradient	From the 5CH adjust the speed (CH1、CH2、CH3、CH4、CH7 is invalid）	
	165-191	RGB dark-bright-dark Auto run		
	192-223	7 colors jumping change		
	224-255	Sound Activated（Random）	No use for the waterproof fixture	

➢ 7CH

Channel	DMX Value	Function	Remark	priority
1	**0-255**	General dimming	Must use this channel, otherwise no function of dimming	
2	**0-255**	R dimming 0—100%	**Or Amber**	**1**
3	**0-255**	**G dimming 0—100%**	**Or white**	
4	**0-255**	**B dimming 0—100%**		
5	**0-14**	**dimming**	When the 6CH above is 32-223, this channel has the function of speed adjustment0-255	**3**
	15-255	**Strobe speed**		
6	**0-31**	Invalid		**3**
	32-63	From dark to bright	Must use CH1、2、3、4 otherwise no light，From the 5CH, start the speed adjustment	
	64-95	From bright to dark		
	96-127	From dark—bright—dark		
	128-164	**RGB Gradient**	From the 5CH adjust the speed **(CH1、CH2、CH3、CH4、CH7 is invalid)**	
	165-191	**RGB dark-bright-dark** Auto run		
	192-223	7 colors jumping change		
	224-255	**Sound Activated （Random）**	**No use for the waterproof fixture**	
7	**0-9**	**Invalid**	**CH1 control color grayscale 0-100%**	**2**
	10-29	**R 100%**		
	30-39	**R85%+Y15%**		
	40-49	**R60%+Y40%**		
	50-69	**Y 100%**		
	70-79	**Y85%+G15%**		
	80-89	**Y60%+G40%**		
	90-109	**G 100%**		
	110-119	**G85%+B15%**		
	120-129	**G60%+B40%**		
	130-149	**B 100%**		
	150-159	**B85%+C15%**		
	160-169	**B60+C40%**		
	170-189	**C 100%**		
	190-199	**C50%+P50%**		
	200-219	**P 100%**	**CH1 control color grayscale 0-100%**	**2**
	220-229	**P50%+W50%**		
	230-249	**W95%+Y5%**		
	250-255	**W 100%**		

> **8CH**

DMX Channel	DMX Value	Function	priority	DMX Channel
1	0-255	General dimming	Must use this channel, otherwise no function of dimming	1
2	0-255	R dimming 0—100%	**Or Amber**	
3	0-255	**G dimming 0—100%**	**Or white**	
4	0-255	**B dimming 0—100%**		
5	0-14	**dimming**	When the 6CH above is 32-223，this channel has the function of speed adjustment0-255	3
	15-255	**Strobe speed**		
6	0-31	Invalid		3
	32-63	From dark to bright	Must use CH1、2、3、4 otherwise no light，From the 5CH, start the speed adjustment	
	64-95	From bright to dark		
	96-127	From dark—bright—dark		
	128-159	**RGB Gradient**	From the 5CH adjust the speed **(CH1、CH2、CH3、CH4、CH7 is invalid)**	
	160-191	**RGB dark-bright-dark** Auto run		
	192-223	7 colors jumping change		
	224-255	**Sound Activated （Random）**	**No use for the waterproof fixture**	
7	0-9	无	**CH1 control color grayscale 0-100%,**	2
	10-29	**R 100%**		
	30-39	**R85%+Y15%**		
	40-49	**R60%+Y40%**		
	50-69	**Y 100%**		
	70-79	**Y85%+G15%**		
	80-89	**Y60%+G40%**		
	90-109	**G 100%**		
	110-119	**G85%+B15%**		
	120-129	**G60%+B40%**		
	130-149	**B 100%**		
	150-159	**B85%+C15%**		
	160-169	**B60+C40%**		
	170-189	**C 100%**		
	190-199	**C50%+P50%**		
	200-219	**P 100%**	**CH1 control color grayscale 0-100%,**	2
	220-229	**P50%+W50%**		
	230-249	**W95%+Y5%**		
	250-255	**W 100%**		

8	0-5 6-55 56-105 106-155 156-205 206-255	Press display to set DIMMER0-4 DIMMER0 DIMMER1 DIMMER2 DIMMER3 DIMMER4		1

6. Display Operation
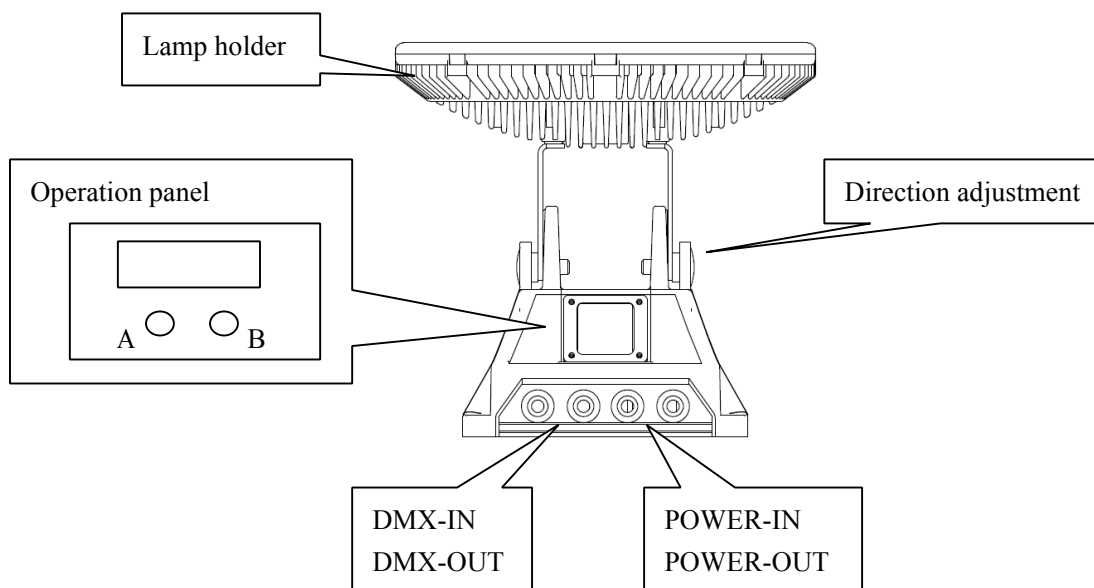
- ➤ **Button A：function button,**
- ➤ **Button B：SETUP button**

7. Menu Instruction

1、 "A" is the function button; "B" is the setup button. correspond with DMX and built-in program mode.

DMX mode: When shows all of the figures (001-512), for the light's DMX address code, receive DMX512 signal.

Built-in program mode: the first word on the left show "P" means built-in program mode, the second for the program 0-A, the third is to modify the programs.

2. operate as follows:

- ● For the DMX mode, press "A" firstly, the left first digit flashing, then press "B" to adjust

the hundredths address as 0-5.

- press "A" secondly, the left second digit flashing, then press "B" to adjust tens-digit as 0-9

- press "A" thirdly, the left third digit flashing, then press "B" to adjust ones-digit as 0-9

- press "A" fourthly, switch to built-in program mode, the display's first word on the left show "P" ,the second for the built-in programs and flashing, press "B" to modify the built-in program 0-9, "A" for the standby.

- press "A" fifthly, the third digit glinting, press B to modify the built-in programs.

- press "A" sixthly, switch to DMX node again, return to step 1.

3. Built-in Program details（Pr- -）

The built-in program set as a master, sends out synchronization signals and makes the slave synchronous with it. The Slave must be set in DMX mode and the address code should be A001, only set this can take over the signal of master. The Master outputs controlling signal, and Only one light can be set as a Master and others are slaves.

- "P01-P09": Red dimmer. Operate as: press "A" until the last digit glinting then press "B" key to change red dimmer (0-9, 9 is the brightest)

- "P11-P19": Green dimmer. Operate as above to change the brightness

- "P21-P29": Blue dimmer. Operate as above to change the brightness

- "P31-P39": yellow dimmer. Operate as above to change the brightness

- "P41-P49": cyan dimmer. Operate as above to change the brightness

- "P51-P59": Purple dimmer. Operate as above to change the brightness

- "P61-P69": White dimmer. Operate as above to change the brightness

- "P71-P79": White Strobe. (P71 is the fastest)

- "P81-P89": Auto run built-in program. (P81 is the fastest)

- "P91-P99": Gradual change. (P91 is the fastest)

- **"PA3-PA6": 3CH or 6CH**

4、When the screen flashes, it indicates that in the set-state. .If you do not press any key for 20 seconds, the state will be saved automatically, and when you turn on the lights next time will show this

state.

8. Operating Control Instruction

Master setting：The master should be built-in program mode. **The control panel shows P - X – X.** It sends out synchronizing signal. To avoid the master signal and DMX512 signal from interfering with each other, we should cut off the DMX512 signal. When the signal cables are longer than 60 meters, a DMX signal amplifier is necessary.

Slave setting：It must be in the SLAVE DMX receiving mode and the address code should be 001 to assure receive the master's signals correctly. Only one light can be set as a Master and others are slaves.
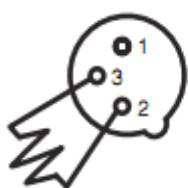
9. XLR cable connecting

➢ **XRL cable：**

The stand connection way of the XRL is: one end connects to the male plug, and the other connects to the female. As below: pin 1: ground, pin 2: negative signal, pin 3: positive signal
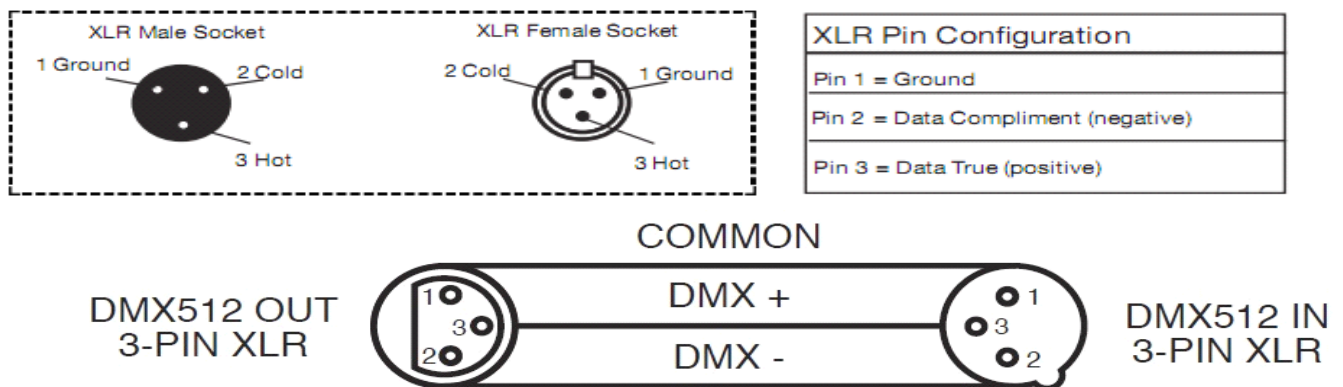
Noted：In order to avoid failures and interference signal transmission，we connect a resistance120Ω（1/4W） at the end of the DMX connecting as below:

Termination reduces signal errors and avoids signal transmission problems and interference. It is always advisable to connect a DMX terminal, (Resistance 120 Ohm 1/4 W) between PIN 2 (DMX-) and PIN 3 (DMX +) of the last fixture.
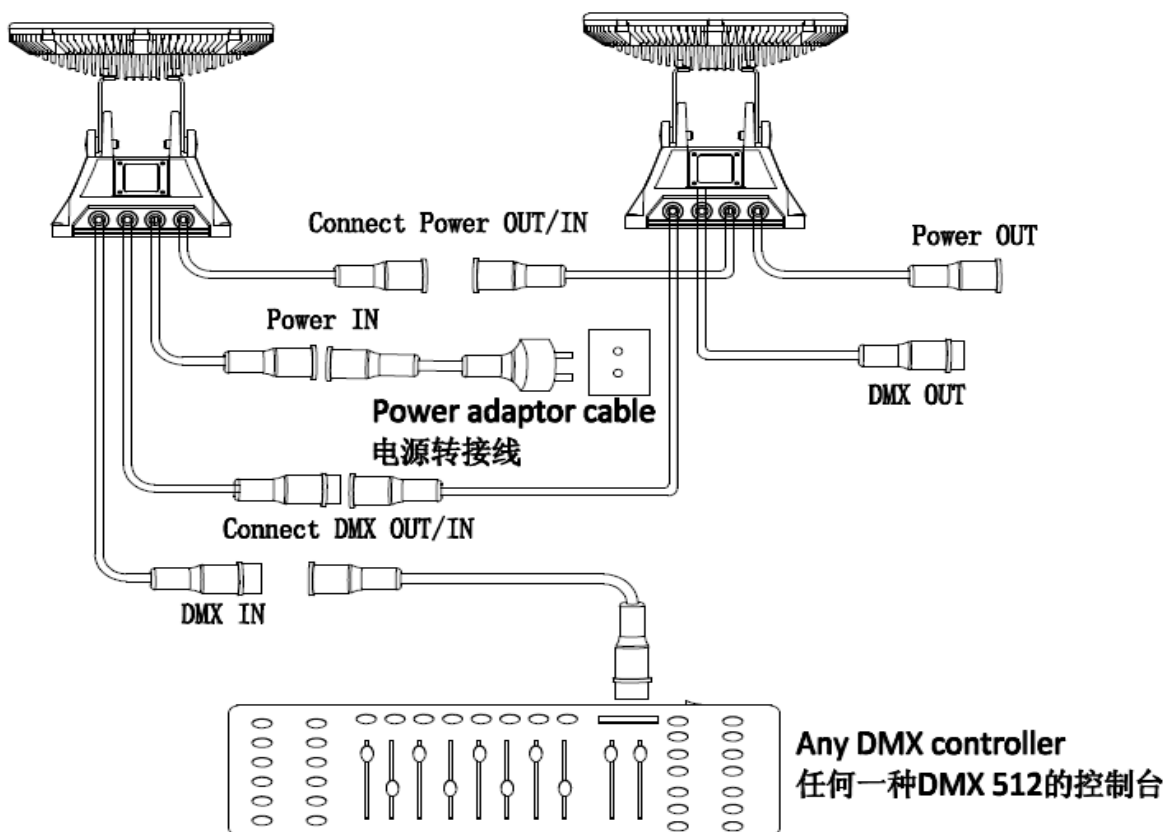
➢ The Conversion between 3pin and 5 pin XLR

If the output cable of DMX512 controller is the 5PIN, please use 1pc 5PIN to 3PIN cable

3-Pin XLR to 5-Pin XLR Conversion		
Conductor	3-Pin XLR Female (Out)	5-Pin XLR Male (In)
Ground/Shield	Pin 1	Pin 1
Data Compliment (- signal)	Pin 2	Pin 2
Data True (+ signal)	Pin 3	Pin 3
Not Used		Do Not Use
Not Used		Do Not Use

10. Connecting picture

➢ Cable connecting picture：

➢

11. Problem Analyse

Problem	Checking way

Can not turn on the light	◆ Check the power source plug is in normal or not ◆ Check the switch of the lights is off or on ◆ Check it the fuse if in normal
DMX can not control it	◆ Check the DMX cable is connect to the lights or not ◆ Check the DMX512 controller work in normal or not ◆ Check the DMX cable is normal or not ◆ Check if the lights is in DMX mode（A001）
Display not bright	◆ When connect to the electricity，did the led flash one time? If so，the power source is normal; If not，please check if the switch and the transformer has power out ◆ Check if the power input of the IC board is normal ◆ Check if the cable connect to the display loose ◆ Change the main board to see if it is normal. ◆ Chang the display
LED not light	◆ When connect to the electricity，did the led flash one time? If so，the power source is normal; If not，please check if the switch and the transformer has power out ◆ Check if the power input of the IC board is normal ◆ Check if the cable connect to the display loose ◆ Change the main board to see if it is normal. ◆ Chang the display
Some of the LED not light	◆ LED is connect by leds in series first, then connect parallel, so please check if the leds is loose ◆ Use the multimeter to check if the led is bright or not, of not, please change the led ◆ check whether current limiting resistor is normal or not ◆ Check constant current IC is normal or not (compared with the normal IC)

Single color leds always bright/not bright	◆ Check the switch of this color is normal or not ◆ Change the IC control board

Noted：only professional persons can do as above！

12. Technical Specification

● Input voltage: AC 100V-264V   47-63HZ

● Output voltage: DC24V

● Consume: 36W

● Lamp Type: High Power LED(1W)

● Lamp Spec: R(12PCS)，G(12PCS)， B(12PCS)

● LED span:50000~100000 hours

● LED PWM dimming frequency：>400Hz

● LED driver: 320mA current，PWM driver（16666 steps）

● Control Signal：DMX512/auto run

● Control mode：stand alone/ master and slave

● Channel：3CH、6CH、7CH、8CH

● Color effect: R, G, B color mixing

● Function: dim, Strobe, gradual change, jumping change

● Cooling mode: natural convection

● IP rated: IP65

● Beam Angle: 15°, 25°,45°

● Anti-electricity intension：1.5KV

● Insulation Resistance：＞2 MΩ

● Size: 230*230*214mm

● Net Weight: 3.5KG