

Clair Lighting

LED 2220 Par RGBW (Outdoor)



User's Manual

1 Before you start

1.1 open box to check

Thank you for using our products, please read this instruction manual carefully and completely, and keep it in a safe place for reference during use. This instruction manual contains important information about the installation and use of high-power PAR lights. Please strictly abide by these related instructions during installation and use.

When you receive the product, please check whether the product is damaged due to transportation.

1.2 product description

This 200W high-power 22-piece par light is made of cast aluminum housing. It is beautiful in appearance, efficient and energy-saving, durable, and suitable for indoor use.

The products are designed and produced in strict accordance with CE standards and conform to the international standard DMX512 protocol. They can be controlled by a single unit or can be controlled by each other. They are suitable for large-scale theatrical performances, theaters, studios, and other places.

1.3 product features

1.3.1 With the function of smooth dimming curve, the dimming process has no flicker and no jitter, and the dimming speed can be adjusted by the push rod.

1.3.2 The built-in temperature sensor automatically adjusts the light output intelligently according to the temperature, so as to effectively prevent the lamp from overheating and crashing.

1.3.3 With power supply and DMX512 signal indicator, it can monitor the working status.

1.3.4 LED display with 4 control buttons.

1.3.5 The button and digital tube display can be inverted.

1.3.6 The power line and signal line are connected hand in hand.

1.3.7 The use of reflective cups can project a uniform spot.

The general performance of the product:

* Dimming 0-100%

* Strobe

* Self-propelled program

* Protection grade IP65

1.4 Product specification

Technical Parameters:

22pcs 20W 5050 RGBW Leds, and the CRI of white led is 92, total leds power is 440W, the single color power can be 110W, the power Consumption of this light is 150W

50,000-hour service life, low power consumption

25 ° projection beam Angle

The aluminum die-casting structure is designed to achieve the optimal cooling system

Infinite color mixing system and rainbow effect

16.7 million additive color little full saturation control

A :11 DMX channel usitt dmx-512

D:4 DMX channel usitt dmx-512

Dmx512 master-slave voice automatic operation

With a built-in program, you can call the above DMX controller

High speed LED strobe effect and pulse strobe effect

0-100% electronic dimming shading for full LED

Different types of programming macro effects vary the speed

LED display with 4 control buttons

IP rated power input/output

IP class 3-pin XLR connector input/output

IP 65 protection level

Overheating protection

Ambient temperature: -20 °C to 45 °C 1.6safety

warning

Important reminder:

◆ The manufacturer will not be responsible for any accidents and losses caused by the normal operation and use of this manual and unauthorized modification of the equipment without permission.

◆ Pay special attention to the voltage of the power supply and ensure that the voltage used is within the voltage range (100v-240v) indicated by the technical parameters. Do not connect the power cord of other electrical appliances with the power input/output connector line of this light, and do not connect the DMX512 signal line of other electrical appliances with the DMX512 signal input/output connector line of this light.

◆ In order to ensure the safety of the power supply, please use a qualified power socket or cut off the plug to directly connect to the switch.

◆ It is not recommended to use this lamp under the conditions of direct sun exposure, so as to avoid overheating of the lamp during operation.

2 Installation

2.1 Device

If the lamp is used as a skylight or ceiling light, please install the lamp hook on the arm of the lamp and tighten the screws. Then hang the light hook on the truss. Adjust the posture angle of the lamp according to the required light beam orientation, and tighten the handle screw. If the lamp is used as a ground bar or foot lamp, just diverge the two hanging arms at a certain angle and use it as a support for sitting on the ground, and then adjust the angle between the lamp and the hanging arm to make the light elevation angle meet the requirements, and then tighten it. The handle screw is enough.

2.2 Power connection

This product uses a 1.5 square millimeter copper core wire for input and output power cables, and the plug is a 3-core 10A plug. When the power cord is connected in series, no more than 8 lights can be used when 220V AC power is used.

Do not use more than 16 lights when connecting the DMX512 signal input and output street lines of this product. If the signal line between the DMX console and the light or the light and the light exceeds 100 meters, a signal amplifier must be added.

2.3 Engineering power distribution installation

When using our company's lamps, if a three-phase five-wire system is used, then the zero line on each phase should be its output from the electric box uniformly, and a neutral line cannot be shared.

2.4 Connect DMX512 console settings

- ◆ Connect the DMX console and the lamps in series.
- ◆ With 8 channels (8CH), the address code of the lamp is increased in increments of 8 (such as 001, 009, 017...). For the console without light library, it is recommended to set the address code in increments of 16 (such as 001, 017, 033...).
- ◆ Each DMX address code can be reused as needed.
- ◆ The DMX address code can be any value between 001 and 512.

3 Method of operation

3.1 Graphical part:



- A. MANU
- B. UP
- C. DOWN

D. ENTER

E. LEDdisplay

Operating instructions: Press the function key A to cycle out 5 different function effects, the first two digits of the digital tube represent the current function (refer to the function table). The last two digits represent the address code or speed parameter where the function is located. Press B or C key to modify its parameter value. Press D to confirm.

3.2.LED Display window function

comparison table

No	display	explain
1	DMX-11CH 25°C A001	DMX-11CH A001-512
2	DMX-4CH 25°C D001	DMX-4CH D001-512
3	Test Mode Effect 000-003 Speed 000-255	Test mode Effect 001 jumps, 002 fades, 003 voice control.
4	Key-ADJ Red 0—255 Green 0—255 Blue 0—255	Key dimming

	White 0—255	
5	Set up Language (中文 /English) Screensaver (Turn on/shut down) DMX signal (maintain/Clear) Dimming bit (16bt/08bt) Dimming curve (Linear/square/anti-square/S-line) Reset (determine/give up)	advanced setting

3.3. LED Function comparison table of background display window (under DMXA001 status, press the menu key for 3-4 seconds to enter and press the OK key to exit)

No	display	explain
1	Administrator 235 Red current	Lamp bead current adjustment

2	Administrator 235 green current	Lamp bead current adjustment
3	Administrator 235 blue current	Lamp bead current adjustment
4	Administrator 235 white current	Lamp bead current adjustment
5	Administrator 255 Power limit	RGBW full bright power speed regulation
6	Administrator 001 Dimming speed	Dimming speed
7	Administrator 055 temperature	Initial temperature of over temperature drop current
8	Administrator Push Turn on shut down	The master pushes to the slave to update the slave (background value) parameters and (advanced setting) parameters Note: The signal

		<p>line between the host and the slave is connected and powered on. The slave is set to DMX512 mode. After the host enters this option, the host should not be eager to exit waiting for the slave lamp to flash, indicating that the slave update is successful. At this time, the host presses the OK key to exit.</p>
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3.4 DMX512 channel description

(8channels)

No	display	explain
1CH	dimming	Total dimming, linear dimming, from dark to light
2CH	Total stroboscopic	Total strobe, from slow to fast
3CH	Function	0— 5empty; 6— 100 Jump change 101—150 Gradient

	selection	151—200 Pulse change 201—255 Voice control
4CH	Function speed	Function speed, from slow to fast
5CH	Rdimming	R dimming, linear dimming, from dark to light
6CH	Gdimming	G dimming, linear dimming, from dark to light
7CH	Bdimming	B dimming, linear dimming, from dark to light
8CH	Wdimming	W dimming, linear dimming, from dark to light
9CH	RGdimming	RG dimming, linear dimming, from dark to light
10CH	GBdimming	GB dimming, linear dimming, from dark to light
11CH	RBdimming	RB dimming, linear dimming, from dark to light

3.5 DMX512channel description (4 channels)

No	display	explain
1CH	Rdimming	R dimming, linear dimming, from dark to light
2CH	Gdimming	G dimming, linear dimming, from dark to light
3CH	Bdimming	B dimming, linear dimming, from dark to light
4CH	Wdimming	W dimming, linear dimming, from dark to light

3.6. RDMexplain:

No	display	explain
1	Feedback (address code)	Free to change
2	Feedback (Channel Mode)	Free to change
3	Feedback (equipment temperature)	Unchangeable

7. Features:

The operation is very simple, humanized design, and the dimming is free of flicker and jitter. It can be used in photography, photography, television stations and other occasions where the lighting requirements are strict.