4200LW

4x200W COB LED Waterproof Blinder
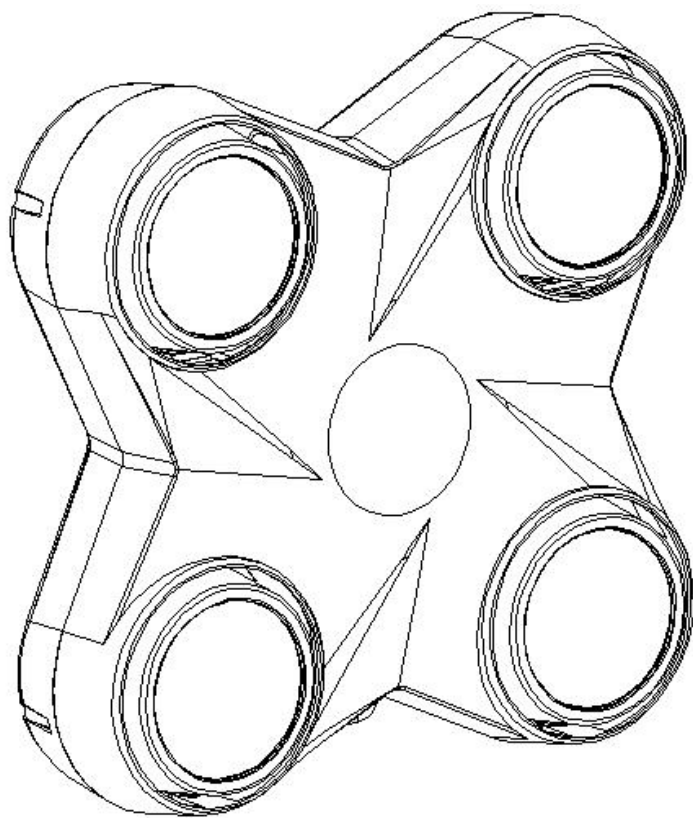
USER MANUAL

Please read manual carefully before use

CONTENTS

Thank you for choosing our LED lights. Each facility has been rigorously tested. Please check whether the facility has been damaged during transportation. If you find any parts are missing or broken, please contact the manufacturer immediately. Please do not return the product without any notice!

1.Safety Instructions

⚠️ Please read this manual carefully, which includes important information on installation,use and maintenance.

Attention

● Please keep this USER MANUAL for future consultation. If you sell the facility to another user, be sure that they also receive this USER MANUAL.

● Please open and check in details and make sure there is no transportation damage.

● Before operating, ensure that the voltage and frequency of power supply match the power requirements of the facility.

● It's important to ground the yellow/green conductor to earth in order to avoid electric shock.

● The facility must be installed in a location with adequate ventilation, at least 50 cm from adjacent surfaces. Be sure that no ventilation slots are blocked.

● Make sure the power is disconnected before removing the facility.

● Make sure there are no flammable materials close to the unit while operating as it is fire hazard.

● Use safety cable when fixes this facility. Do not handle the facility by taking its head only, but always by taking its base.

● Maximum ambient temperature is 40 ℃. Do not operate it where the temperature is higher than this.

● Please stop using the facility for serious operating problems. Stop using the facility immediately. Never try to repair the facility by yourself, but be a professional technician. Please contact the supplier's service department

for technical support.

- Do not touch any wire during operation as high voltage might be causing electric shock.
- When the housing or lens is damaged, it must be replaced.
- Direct sunlight or any other strong light source penetrating the lens of the light will cause serious internal damage to the facility. During unpacking, installation, use and long-term outdoor idleness, it is forbidden to expose the lens of the facility to direct sunlight or any other strong light source at any angle. It is forbidden to aim the beam of one light directly at another light.
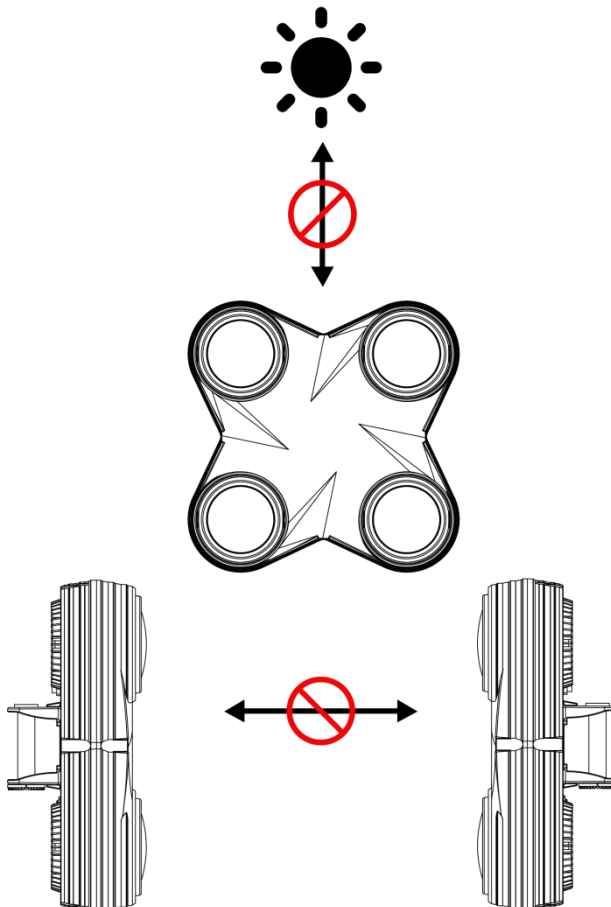
Caution

There are no accessories available, do not open the housing and try to repair the facilities yourself. Please contact our company for after service.

Installation

The unit should be mounted via its screw holes on the bracket. Always ensure that the unit is firmly fixed to avoid vibration and slipping while operating. And make sure that the structure to which you are attaching the unit is secure and is able to support a weight of 10 times of the unit's weight. Also always use a safety cable that can hold 12 times of the weight of the unit when installing the fixture.

The facility must be installed by professionals, and keep it far away from fire, walking road, and easy touched place.

2. Technical Specification

Light Source	4x200W COB White 6500k and warm white 3200k 2in1 LED
LED Lifetime	≥ 50000H
Power Voltage	AC100-240V ，50-60Hz
Power Consumption	800W
Beam Angle	55°
Control Modes	DMX512/ Auto/ Sound/ Master/ Manual/ RDM
DMX Channel	2/ 9/ 16 Channel
Protection Rating	IP65
Display	OLED Display
Data In/Out Socket	3-pin XLR sockets
Power Socket	IP65 Power-Con in/ out
Housing Material	Aluminum

MAX. Connection	4 units（240V，50Hz）2.5mm² power cable
	2 units（100V，60Hz）2.5mm² power cable
Dimension	425x425x178mm
Net Weight	11 kg
Carton Package	480x480x215 mm 1in1 GW: 13 kg
Flight Case	940x510x740 mm 4in1 GW: 79.5 kg
Features	0-100% smooth dimming；No shake; high-efficiency optical system, LED temperature protection function, silent fan, low-noise light head heat dissipation material is high heat dissipation, high-density die-cast aluminum, each light head movement range is 25°, can load 200W power heat dissipation
Configuration	Signal cable 1pc
	Power cable 1pc
	Manual 1pc

3. DMX Set Up

Pin1: Ground   **pin2: Negative**   **pin3: Positive**
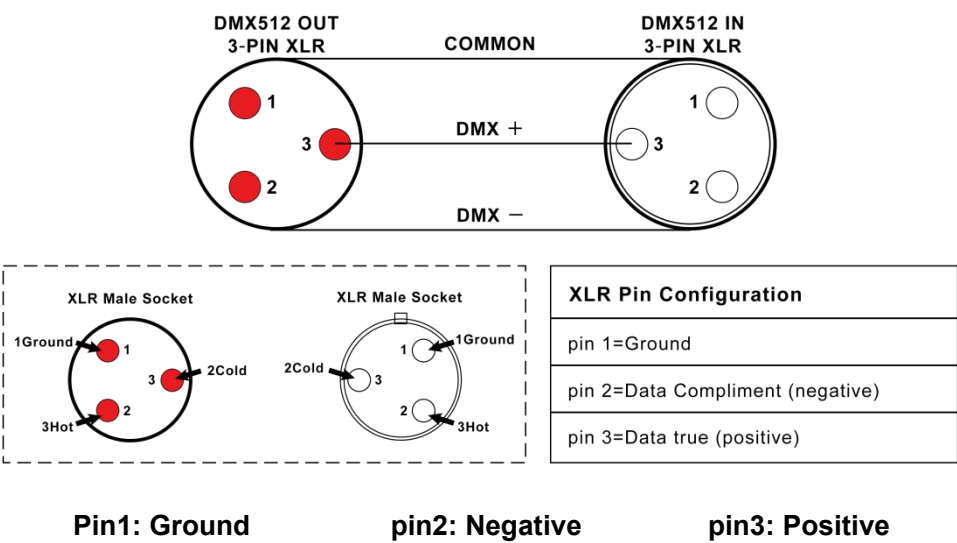
DMX Connection

To ensure optimal transmission of DMX data, please connect facilities in the shortest way. The connection order won't affect the DMX address code. For example, if the address code is set to 1, no matter where the facility is connected, its address code will not change. This is determined by the principle of the DMX controller.

Operation method

You can operate in the following three modes:
● Auto mode - the light can automatically complete all color changes
● DMX control mode - each light can be individually controlled by a standard DMX512 console
● Master mode - any light can work as a host in any of the above modes, and the other lights will work synchronously as slaves

4. Display

There are four buttons on the LED panel: MENU, UP, DOWN, and ENTER.

MENU   UP   DOWN   ENTER

Please press the "MENU" to exit or return to the previous menu, press "UP" or "DOWN" to select the upper and lower menus or adjust the values, and press "ENTER" to confirm.
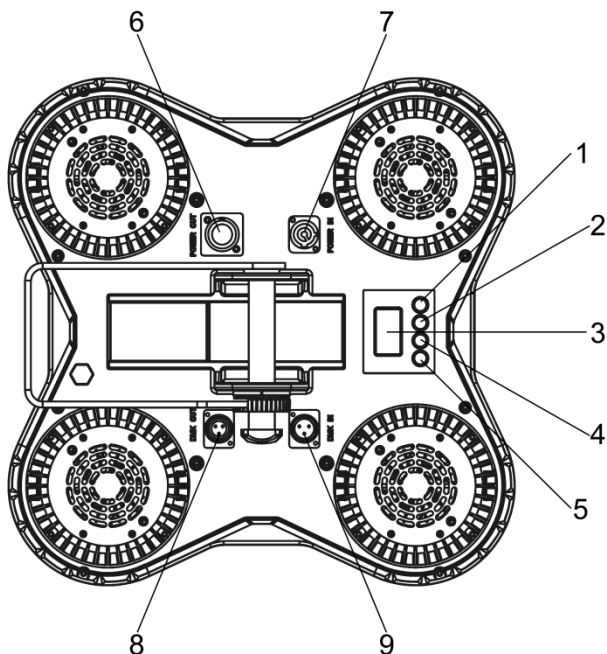
After powering on, the facility will automatically return to the last operation when it was powered off, then get into standby status. For more details, please refer to the information below↓

5. Menu

1-MENU 2-UP 3-DOWN 4-ENTER		
1.Address	Setting the address from 001-512	
2.Run Mode	1.DMX512	DMX512 Mode
	2.AUTO	AUTO Mode
	3.SOUND	SOUND Mode
	4.MANUAL	MANUAL Mode

|		
3.Auto Select	1.8 Ways to Self-Run（Auto Select 1-Auto Select 8)	
	2.There are 10 running speeds to choose from, from slow to fast	
4.Hand Set	LED1 W1　000-255	White	Manually control the brightness of the LED from dark to bright
	LED1 W2　000-255	Warm white	
	LED2 W1　000-255	White	
	LED2 W2　000-255	Warm white	
	LED3 W1　000-255	White	
	LED3 W2　000-255	Warm white	
	LED4 W1　000-255	White	
	LED4 W2　000-255	Warm white	
5.Master	1.Master	Auto/Sound-control select to Master
	2.Alone	Auto/Sound-control select to Alone
6.Channel	16 CH	16 Channel
	9 CH	9 Channel
	2 CH	2 Channel
7.Dimmer	1.Dimmer 0	4 dimming curves
	2.Dimmer 1	
	3.Dimmer 2	
	4.Dimmer 3	
8.Mic Sense	001-100	Sound sensitivity

9.Display	1.Clockwise	Display font clockwise
	2.Counterclockwise	Display font counterclockwise
10.Inform	1.CH Value	Shown all channel information
	2.Temp	Show the temperature of LED board
	3.Soft v1.0	Program version number
11.Default	1.Yes	Reset factory setting
	2.No	

6. LUX Data

Beam Angle =55°

1LED(WW)lux	6610	632	269	124
4LED(WW)lux	26800	2700	1230	555
1LED(CW)lux	8660	1060	481	189
4LED(CW)lux	34600	3510	1520	704
1LED(2in1)lux	16100	1630	709	321
4LED(2in1)lux	59600	6280	2710	1240

55°

Distance (m)   1   3   5   8
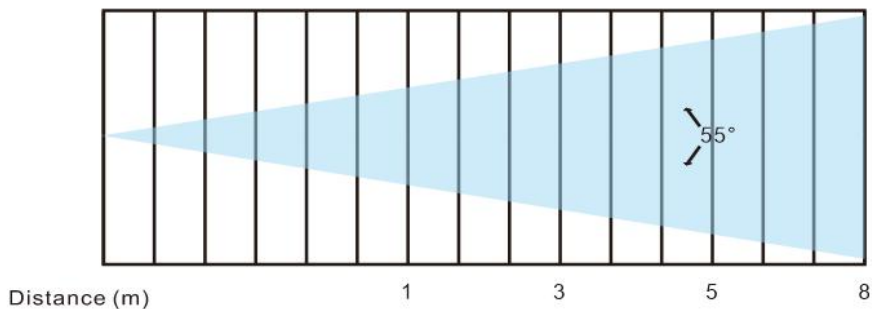
7. DMX Channel List

▶ 16CH Mode

CH	Function	DMX Value	Description
1	Dimmer	0-255	From dark to bright
2	Dimmer adjust	0-255	From dark to bright
3	Strobe	0-15	No function
		16-214	Strobe（from slow to fast）
		215-255	Random strobe
4	Dimming Mode	0-49	No function
		50-99	Mode 0
		100-149	Mode 1
		150-199	Mode 2
		200-255	Mode 3
5	Color temperature choose	0-31	No function
		32-63	6500K
		64-95	6000K
		96-127	5500K
		128-159	5000K
		160-191	4500K
		192-223	3500K

CH	Function	DMX Value	Description
		224-255	3200K
6	Light head 1 W	0-255	From dark to bright
7	Light head 2 W	0-255	From dark to bright
8	Light head 3 W	0-255	From dark to bright
9	Light head 4 W	0-255	From dark to bright
10	Light head 1 WW	0-255	From dark to bright
11	Light head 2 WW	0-255	From dark to bright
12	Light head 3 WW	0-255	From dark to bright
13	Light head 4 WW	0-255	From dark to bright
14	Shape	0-9	Shape 1
		10-19	Shape 2
		20-29	Shape 3
		30-39	Shape 4
		40-49	Shape 5
		50-59	Shape 6
		60-69	Shape 7
		70-79	Shape 8
		80-89	Shape 9
		90-99	Shape 10

CH	Function	DMX Value	Description
		100-109	Shape 11
		110-119	Shape change 1
		120-129	Shape change 2
		130-139	Shape change 3
		140-149	Shape change 4
		150-255	Shape change 5
15	Shape change speed	0-255	
16	Shape change fade	0-255	

▶9CH Mode

CH	Function	DMX Value	Description
1	Dimmer	0-255	From dark to bright
2	Strobe	0-15	No function
		16-214	Strobe（from slow to fast）
		215-255	Random strobe
3	Dimming Mode	0-49	No function
		50-99	Mode 0
		100-149	Mode 1
		150-199	Mode 2

CH	Function	DMX Value	Description
		200-255	Mode 3
4	Color temperature choose	0-31	No function
		32-63	6500K
		64-95	6000K
		96-127	5500K
		128-159	5000K
		160-191	4500K
		192-223	3500K
		224-255	3200K
5	W1	0-255	From dark to bright
6	W2	0-255	From dark to bright
7	Shape	0-9	Shape 1
		10-19	Shape 2
		20-29	Shape 3
		30-39	Shape 4
		40-49	Shape 5
		50-59	Shape 6
		60-69	Shape 7
		70-79	Shape 8

CH	Function	DMX Value	Description
		80-89	Shape 9
		90-99	Shape 10
		100-109	Shape 11
		110-119	Shape change 1
		120-129	Shape change 2
		130-139	Shape change 3
		140-149	Shape change 4
		150-255	Shape change 5
8	Shape change speed	0-255	
9	Shape change fade	0-255	

▶2CH Mode

CH	Function	DMX Value	Description
1	Dimmer	0-255	From dark to bright
2	Strobe	0-15	No function
		16-214	Strobe（from slow to fast）
		215-255	Random strobe

8. Mounting

When installing the unit, the trussing or area of installation must be able to hold 10 times the weight without any deformation. When installing the unit must be secured with a secondary safety attachment, e.g. an appropriate safety cable. Never stand directly under the facility while mounting, uninstalling or repairing facilities.

High-altitude mounting requires for extensive experience, including working load limits calculating , installation material, and periodic safety check of installation materials and facilities. If you're lack of mentioned qualifications, do not attempt the installation yourself. These installation should be checked by a skilled person annually.
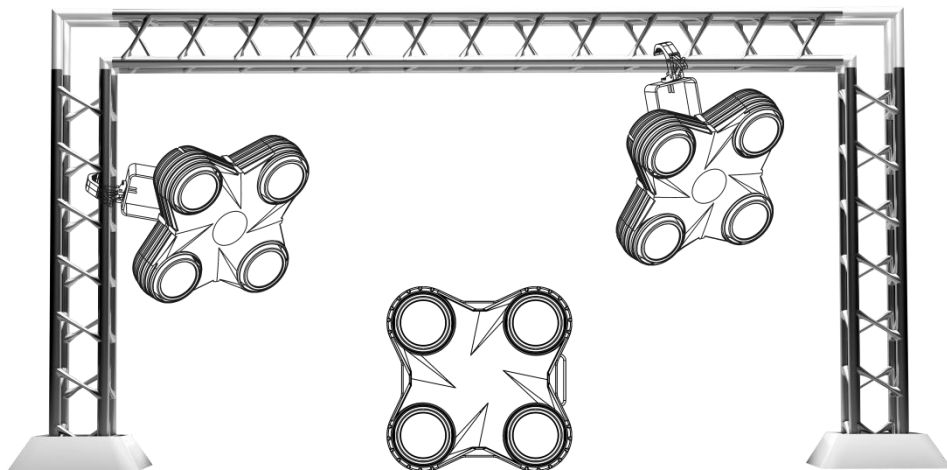

4200LW works properly in above different mounting, hanging upside-down from a ceiling, sideways on trussing, or set on smooth horizontal surface. Be sure this facility is at least 12m (40ft) away from flammable materials (decoration etc.). Always use and install the safety cable to prevent accidental

damage or injury from the facility failure. Never use handles for secondary attachment.

NOTICE: The suitable environment temperature of the facility is from -25˚ C to 45˚ C. Do not place this facility in an environment where the temperatures are under or above the temperatures stated. This will help the fixture run at its best and extend the lifetime.

9. Product Size
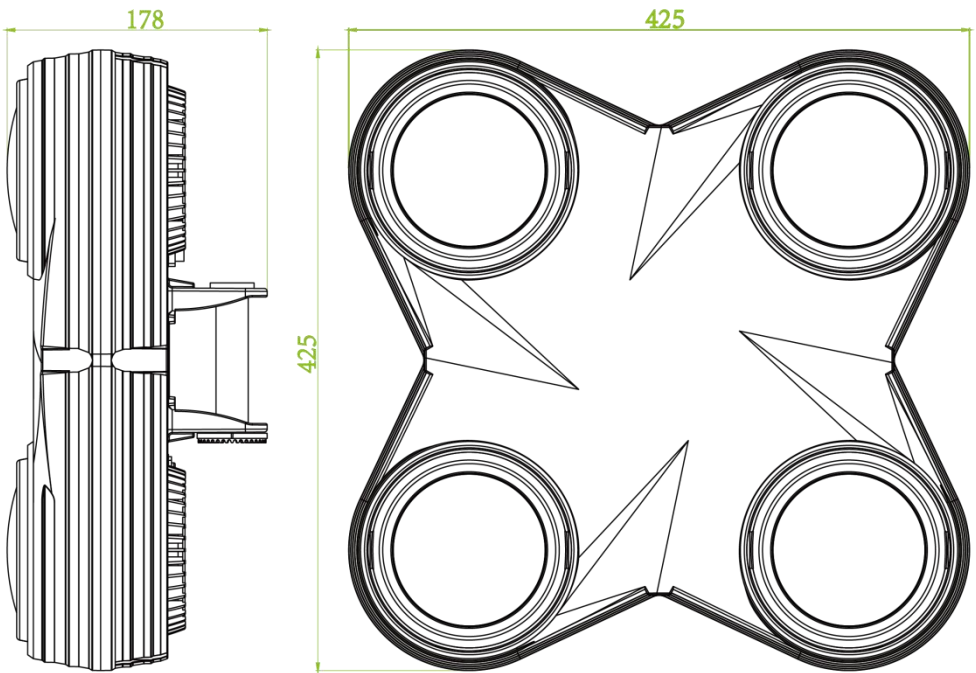
10. Attention

1. When the facility is powered on, please avoid looking directly at the facility.

2. When assembling/ replacing LED, be sure to cut off the main power of facilities before opening the cover upon the LED board.

11. Trouble Shooting

Following are a few common problems that may occur during operation. Here are some suggestions for easy troubleshooting:

A. The unit does not work, no light and the fan does not work

1. Check the status of power connection and fuse.
2. Check the voltage.
3. Check the power indicator.

B. No response to DMX controller

1. If the display screen flashes, check the DMX signal connector and signal line whether the connection is correct.
1. If the display screen does not flash, but no response to channel control, check whether the address code or channel setting is correct.
1. If the DMX signal transmission is intermittent, check if the XLR and DMX cables are in good condition.
2. Try using another controller.
3. Check if the DMX cables is too close to the high-voltage wire, which may damage or interfere with the signal circuit.
6. The facility has not completed the self-check.

C. One of the channels is not working well

1. The stepper motor might be damaged or the cable connected to the PCB is broken.
2. The motor's drive IC on the PCB might be out of condition.

12. Fixture Cleaning

The lens and diffuser should be clean frequently to get better light effect. Wipe frequency according to the environment. Humidity, excessive smoke, and dirty environment will make lens dusty.

● Use soft cloth and special glass cleaner.

● Wipe lens surface at least every 30 days.

● Use vacuum cleaners or air guns to clean the interior structure of the facility, at least twice a year.

⚠Warning:

To avoid the danger of lighting strikes and fire, please do not place the facility in a humid environment. Do not disassemble it without permission, otherwise, the manufacturer will not provide warranty. If the facility fails, please contact the manufacturer first.

Product Warranty Card

Product: 4x200W COB LED Waterproof Blinder

Model NO.: 4200LW   Manufacture Date:

User: Purchase Date:

Manufacturer: Sales Store:

Address: ATTN.:

ATTN.:   Phone:

Phone:

Note: The above blank must be filled in and sealed by the end user or sales point, otherwise no warranty will be provided. (Below please check the warranty period and terms)

Warranty Period: This facility is warranted for 2 years from the date of purchase.

Warranty Terms:

1. Except for man-made damage and natural disasters

2. If the facility fails to function properly during the warranty period, please contact our after service department or our local distributor directly.

1) Fail to present a valid warranty card.

2) Omissions, alterations, and trade sales names on the warranty card.

3) Failures and damage caused by force majeure.

4) Failures and damage caused during transportation and handling.

5) Failures and damage caused by failure to follow the instructions for use.

6) Failures and damage caused by disassembly, repair, and modification of the product without the manufacturer's authorization or by non-professionals.

7) Failures caused by the use of accessories not approved by the factory or not matched by the factory.

▲ **Thank you for reading this manual. Please keep it for future reference.**