B4205 LED BAR

User Instructions

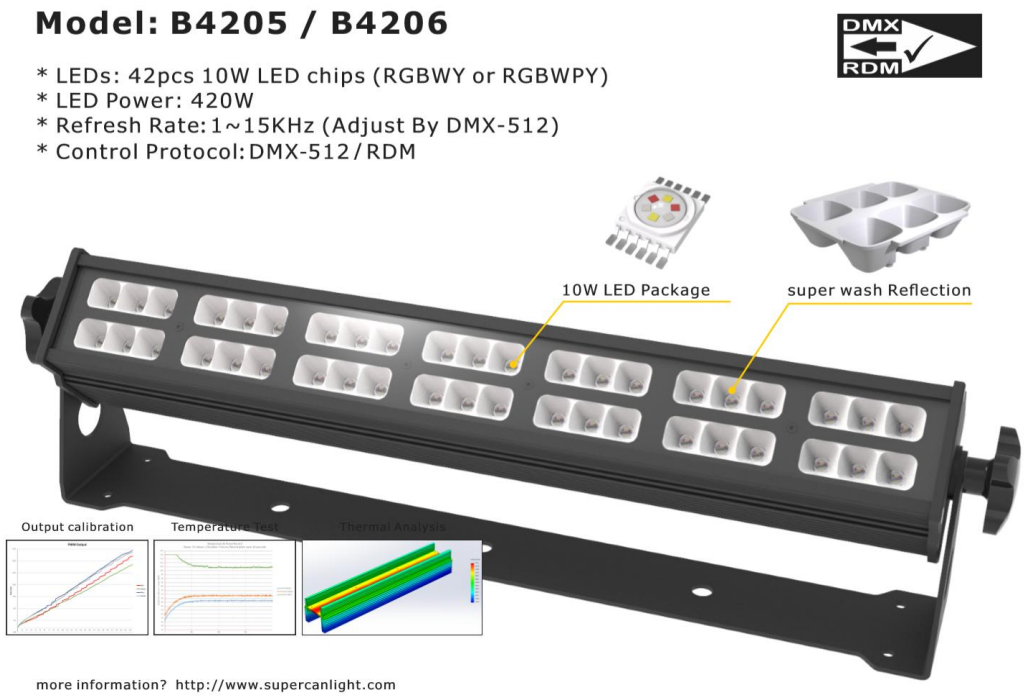


Caution:
These instructions contain important safety information regarding the use and maintenance of this unit. Please keep this manual with the unit, for future reference.

V200619

Contents

1.Introduction....2
1.1 Safety precausions....2
1.2 Features....3
1.3 Packing List....3
1.4 Parameters....3
1.5 Dimensions....4
1.6 Exploded view....5
2. Product Installation....5
2.1 Power Connection....5
3. Display Panel....6
3.1 Panel View....6
3.2 LCD Menu Overview....7
4. Channel Mode & Channels....8
4.1 --- 5 Channels Mode....8
4.2 --- 8 Channels Mode....8
4.2 --- 13 Channels Mode....9
5 Maintenance....10
5.1 Product Maintenance....10
5.2 Trouble Shooting....11
6 Warranty Registration....11
Customer Support....11

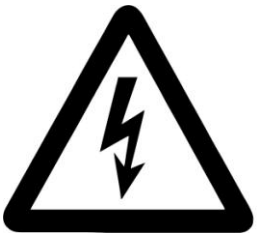


1.Introduction

1.1 Safety precausions

- When unpacking, check if there is any transportation damage before using this fixture. Any damage caused by transportation, consult with your dealer and do not use the apparatus.
- This product is suitable for indoor, its protection grade is IP20.
- Always be sure to mount this unit in an area that will allow proper ventilation. Allow at least 50 cm between this device and a wall.
- The device is only intended for installation, operation and maintenance by qualified personnel. And read the user manual and labels on the lighting carefully before use.
- Product should install in a cool place. Keep away from the wall 50cm.
- Do not look directly at the lamp light (especially for epilepsy), so as not to cause damage to the eyes.
- Keep the optical system clean. Do not touch the LED lens with bare hands. Do not use any alcohol liquid or any other liquid to clean the optical system. Use medicinal absorbent cotton to clean it.
- Please do not attempt to dismantle and/or modify the product inner structure. Otherwise, would not provide 2 years of free warranty.
- Electrical connection must only be carried out by qualified personnel.
- Before installation, ensure that the voltage and frequency of power supply match the power requirement of the product.
- It is essential that each product is correctly earthed and that electrical installation conforms to all relevant standards.
- Never plug this unit in to a dimmer pack.
- Power-supply cords should be routed so that they are not likely to be walked on or pinched by devices placed upon or against them.
- Do not remove the cover at any time. There are no user serviceable parts inside. Never operate this unit when its cover is removed.

If you have any questions, don't hesitate to consult our dealer or manufacturer.



Caution: Before installation, maintenance and cleaning, please ensure the device disconnected from main power!

1.2 Features

- Multi-Colors.
- The fans are controllable by DMX-512. You can turn ON the fan to get more powerful output. Also can turn OFF the fan to get noise free mode. * The output power always controls by the driver or LED chip's temperature.
- 2x temperature sensor. One is checking LED chips; another one is checking the LED drivers. Power output level depends LED and driver's temperature.
- RDM protocol already support to change DMX Address / setup channel mode / Device name etc.
- All output dimming value already calibration.

1.3 Packing List

Following accessories are packed together with the product, please check them carefully upon unpacking.

Item	QTY	unit	Remark
LED Bar Flood Light	1	pc	
Hanger	2	pcs	Installed
Hanger Screw	2	pcs	Installed
Instruction Manual	1	pc	
Power cable	1	pc	

1.4 Parameters

Power supply

- Voltage: AC100~240V
- Frequency: 50~60Hz ± 10%
- Power Rated: 180W (MAX.)

LEDs

- LED Type: 42pcs RGBW+A 420W in total
- Drive Current: <400mA
- Lifetime: About 50000 hours

Control

- Control Protocol: DMX-512
- Channel mode: 3 (5CHS/8CHS/13CHS)
- Control Mode: Static / Auto / DMX-512
- Auto effects: 5 kinds of Auto effects

Optical System

- Lens: Super wash reflectors 60°
- Dimmer: From 0~100%.
- Flashing rate: 1~20Hz

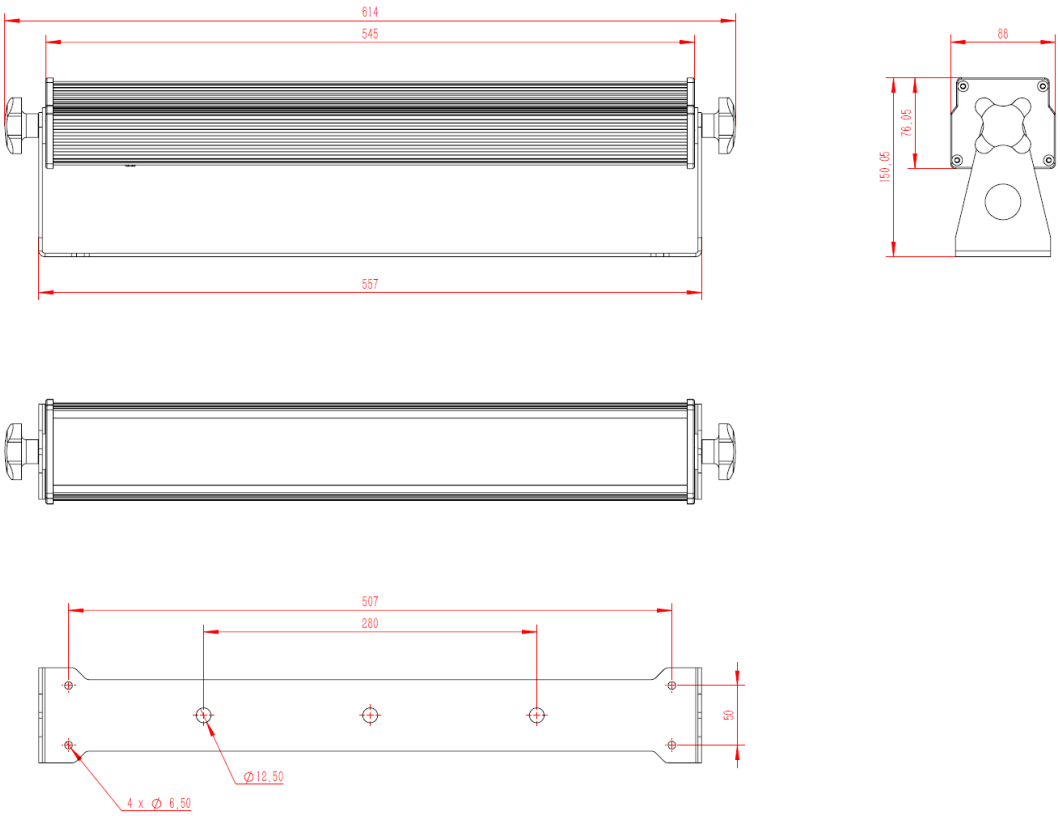
Safety

- Cooling System: Fans and Thermal radiation.
- Temperature Protection: 65°C
- Operating Environment: Indoor
- Operate Temperature:-10°C～45°C

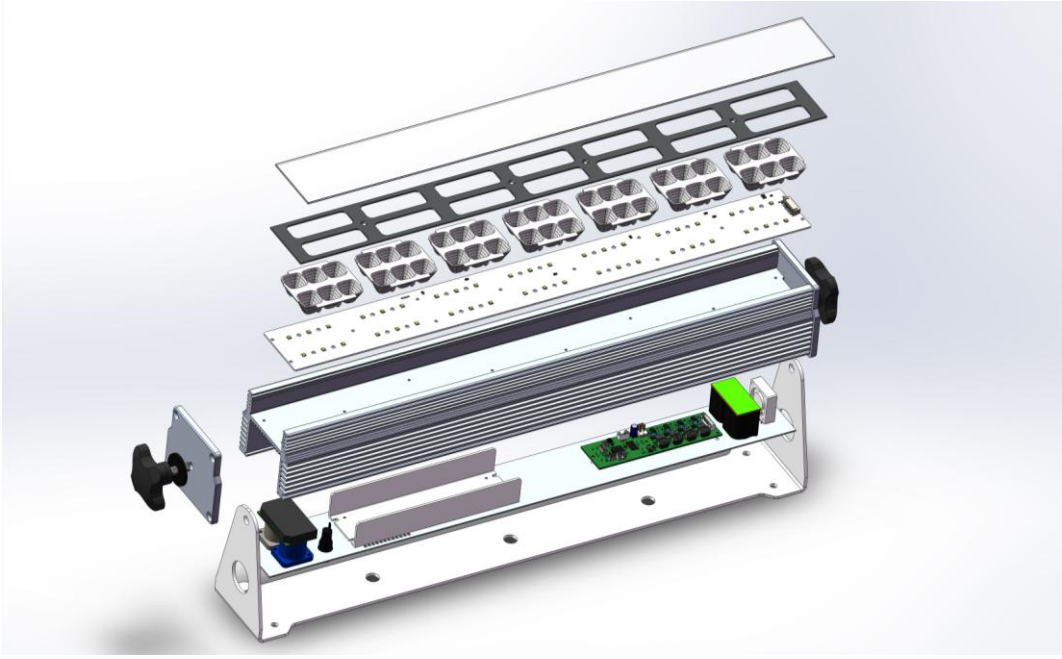
Physical

- Connector: XLR IN/OUT, Power-Con IN/OUT.
- Surface Treatment: Aluminum, powder coating
- Housing color: Black
- Dimensions: 614x 88 x 150mm
- Weight: 3.45kg

1.5 Dimensions



1.6 Exploded view



2. Product Installation

2.1 Power Connection

Please connect power as following:
L (live wire) = brown wire
E (earth wire) = yellow/green double color wire
N (null line) = blue wire
When connecting power, ensure that the voltage and frequency of power supply match the power requirement of the product.
This equipment belongs to class 1 protection equipment, therefore, the yellow-green double colors wire must be earthed correctly by qualified personnel. Before installation, ensure that the voltage and frequency of power supply match the power requirements of product. In power supply and voltage fluctuation large areas, we suggest you to use 110V or 230V or use voltage regulator to supply power. After electrical connection, this product will have a few seconds self-check action, self-check finished can be used.

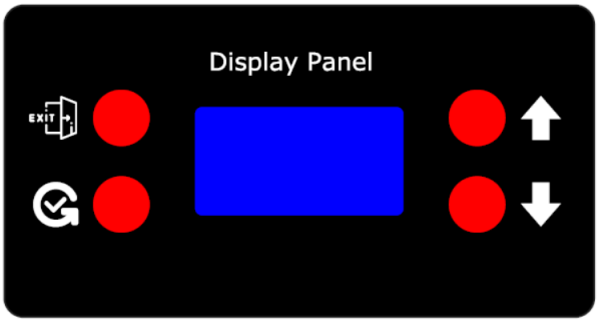
Note:
Each input/output power cable conductor cross-sectional area must be > 1.0 mm^2.
220V: 8 units may be connected in series.
110V: 4 units may be connected in series.

Important: It is essential that Yellow/green double color wire is correctly earthed and that electrical installation conforms to all relevant standards.

3. Display Panel

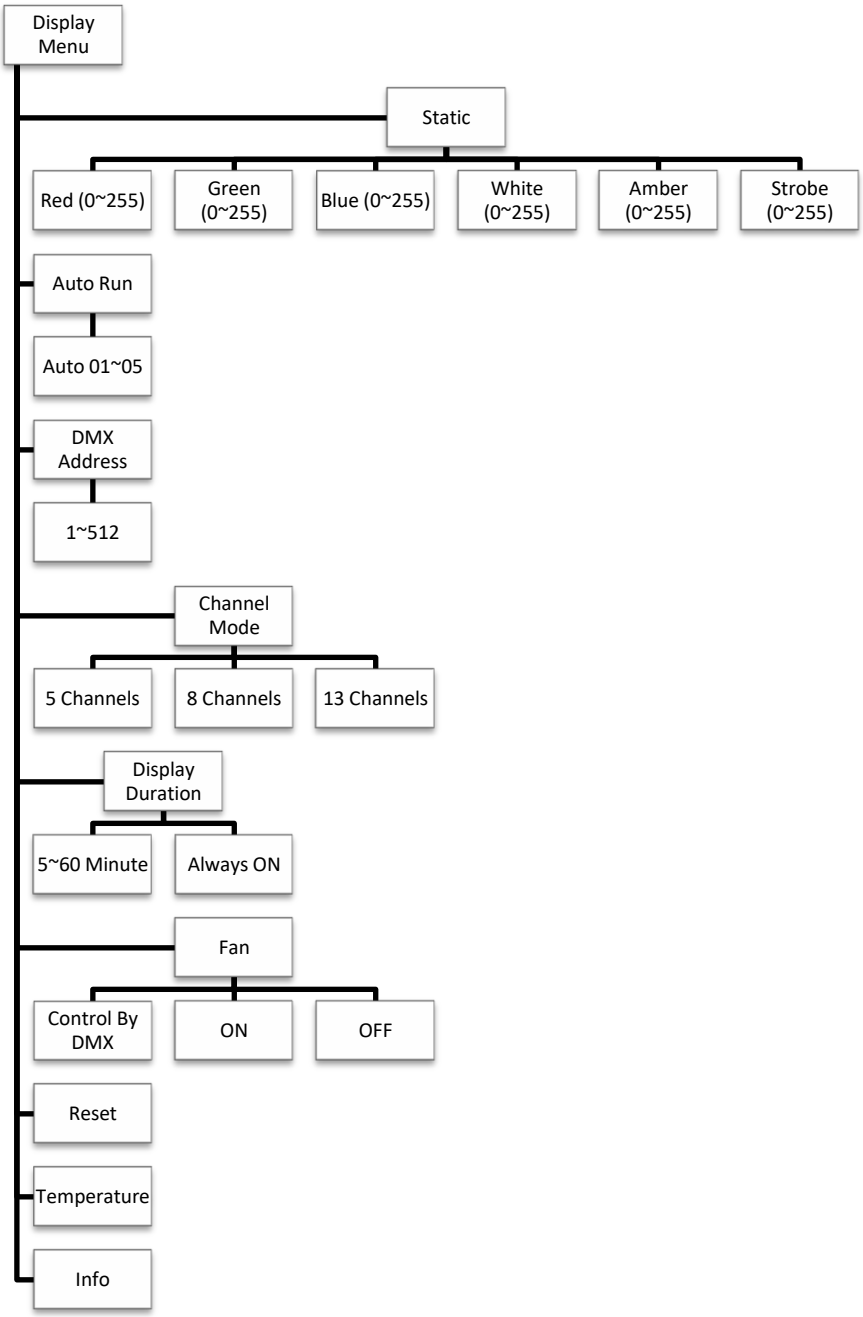
3.1 Panel View





- Exit：Return or exit.
- ENTER：Enter or save the setting.
- UP/DOWN: Menu selection or values change.

3.2 LCD Menu Overview



4. Channel Mode & Channels

4.1 --- 5 Channels Mode

CHs	DMX Value	Function	Description
1	0-255	Red	Brightness 0~100%
2	0-255	Green	Brightness 0~100%
3	0-255	Blue	Brightness 0~100%
4	0-255	White	Brightness 0~100%
5	0~255	Amber	Brightness 0~100%

4.2 --- 8 Channels Mode

CHs	DMX Value	Function	Description
1	0-255	Main	Brightness 0~100%
2	0-255	Red	Brightness 0~100%
3	0-255	Green	Brightness 0~100%
4	0-255	Blue	Brightness 0~100%
5	0-255	White	Brightness 0~100%
6	0-255	Amber	Brightness 0~100%
7	0-214	Strobe	Slow -> Fast
	215-255	Random Strobe	Slow -> Fast
8	0-127	Fan Running	Cooling fan will running for cool down the driver.(1)
	128-255	Fan OFF	Cooling fan will OFF for lower noise.(1)

4.2 --- 13 Channels Mode

CHs	DMX Value	Function	Description
1	0-255	Master	Brightness 0~100%
2	0-255	Red	Brightness 0~100%
3	0-255	Green	Brightness 0~100%
4	0-255	Blue	Brightness 0~100%
5	0-255	White	Brightness 0~100%
6	0-255	Amber	Brightness 0~100%
7	0-214	Sync. Strobe	Slow -> Fast
	215-255	Ran. Strobe	Slow -> Fast
8	0-255	Color Macros	Select the fix color
9	0-255	Auto Effect	Select the fix color(2)
10	0-255	Auto Speed	Select the fix color(3)
11	0-255	Dimmer Mode	Fading in/out control(4)
12	0-255	Refresh frequency	Select different Refresh frequency(1)
13	0-127	Fan Running	The fan will run for cooling
	128-255	Fan OFF	The fan will be turned OFF.

(1) Refresh Frequency Chart

No#	DMX Value	Refresh Frequency/KHz
0	0~27	14.48
1	28~56	7.24
2	57~84	4.83
3	85~112	3.62
4	113~141	2.90
5	142~169	2.41
6	170~197	2.07
7	198~226	1.61
8	227~255	1.03

(2) Auto Programs Function

a) DMX Value 0-10 NO Function.

b) Pre-setting programs is the same with the "Auto program" menu. If the value > 10 can choose different "Auto program". Master Brightness only control by channel 1. R/G/B/W channels will not in function.

(3) Auto Program Speed

Control the "Auto Program", from slow to fast.

(4) Dimmer Mode Chart:

Modes	DMX Value
0	0~9
1	10~59
2	60~84
3	85~109
4	110~134
5	135~159
6	160~184
7	185~209
8	210~255

5 Maintenance

5.1 Product Maintenance

To prolong the life of the product, it is very important to do maintenance work. The environment is hash outdoors, or if the product is idle for a long time, damp, smoke or particularly dirty surroundings can cause greater accumulation of dirt on its LED lens cover, fan vents and housing. So it should be cleaned to maintain an optimum light output and at the same time to prevent it from corrupted by acid gas.

Cleaning frequency depends on the environment in which the fixture operates. Soft cloth and typical glass cleaning products should be used for cleaning. It is recommended to clean product at least one every 20 days.

Friendly notice: Please do not use any organic solvent, e.g. alcohol to clean housing of the apparatus, lest cause damage.

5.2 Trouble Shooting

Problems	Solutions
Fixture not responding to DMX	Check that the DMX cables are connected properly and are wired correctly(pin 3 is "hot", on some other DMX Fixture pin 2 may be "hot") And please check that all cables are connected to the right connectors; make sure the inputs and outputs are connected in the right way.
The light beam appears dim	Due to fog residue/smoke and dust, cleaning the internal and external optical lenses must be carried out periodically to optimize light output. 1. Use normal glass cleaner and soft cloth to wipe down the outside casing. 2. Clean the external optics with glass cleaner and a soft every 20days.Cleaning frequency depends on the environment in which the fixture operates and always be sure to dry all parts completely before plugging the fixture back in.

6 Warranty Registration

The B4205 LED Bar carries a 2 years limited warranty. All returned service units whether under warranty or not, must be freight pre-paid and accompany a return authorization number, The R.A number must be clearly written on the out-side of the return package. A brief description of the problem as well as the R.A number must be written down on a piece of paper put in the return carton. All packages returned to the service department not displaying a R.A. No. on the outside of the cartons will be returned to the shipper.

Customer Support

SUPERCAN Light

5F, LiKouDongXing RD. Lishui Town, 528244, Foshan, PRC
+86 186-2021-9453
http://www.supercanlight.com