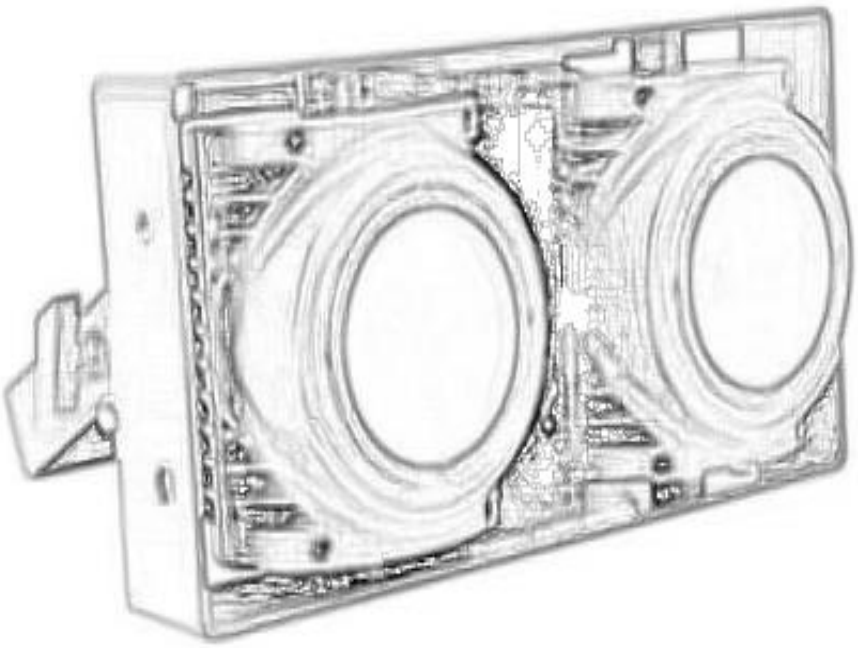
lighting PLUS

User manual



Blind 2K

Please read the instructions carefully before use

TABLE OF CONTENTS

1. **Safety Instructions……3**

2. **Technical Specifications……4**

3. **Control Menu ……4-6**

4. **DMX Channels ……7**

5. **Trouble Shooting……8**

6. **Fixture Cleaning…… ……8**

STATEMENT

The product has well capability and intact packing when leave factory. All of the user should comply with warning item and manual, any misuse cause of the damages are not included in our guarantee, and also can not be responsible for any malfunction & problem owing to ignore the manual.

1.Safety Instructions

Please keep this User Guide for future consultation. If you sell the unit to another user, be sure that they also receive this instruction booklet.

•Unpack and check carefully there is no transportation damage before using the unit.

•Before operating, ensure that the voltage and frequency of power supply match the power requirements of the unit.

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

•The unit is for indoor use only. Use only in a dry location.

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

•Disconnect main power before replacement or servicing.

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

•Use safety cable when fixes this unit. DO NOT handle the unit by taking its head only, but always by taking its base.

•Maximum ambient temperature is Ta: 40℃. DO NOT operate it where the temperature is higher than this Unit surface temperature may reach up to 85℃. DO NOT touch the housing bare-hand during its operation. Turn off the power and allow about 15 minutes for the unit to cool down before replacing or serving.

•the event of serious operating problem, stop using the unit immediately.Never try to repair the unit by yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center. Always use the same type spare parts.

•DO NOT touch any wire during operation as high voltage might be causing electric shock.

Warning:

•To prevent or reduce the risk of electrical shock or fire, do not expose the unit to rain or moisture.

•The housing, the lenses, or the ultraviolet filter must be replaced if they are visibly damaged.

Caution:

•There are no user serviceable parts inside the unit. DO NOT open the housing or attempt any repairs yourself. In the unlikely event your unit may require service, please contact your nearest dealer.

Installation:

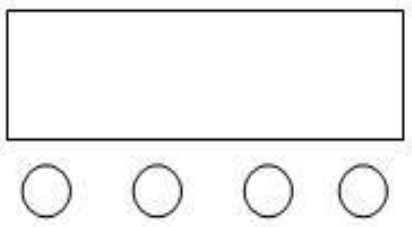
•The unit should be mounted via its screw holes on the bracket. Always ensure that the unit is firmly fixed to avoid vibration and slipping while operating. And make sure that the structure to which you are attaching the unit is secure and is able to support a weight of 10 times of the unit's weight.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

•The equipment must be fixed by professionals. And it must be fixed at a place where is out of the touch of people.

2.Technical Specifications

Voltage: AC100 ~ 240V 50 / 60Hz
Light source: 2*100W high bright COB LED
Control mode: DMX512, self-propelled, master-slave, voice control, RDM.
Channel: CH4/ CH9
Dimming: 32-bit 0 ~ 100% linear dimming
Operating temperature: - 30 ℃ ~ 50 ℃
Stroboscopic frequency: 1 ~ 30Hz
IP rating: IP65
NW: 5KGS

3.Control Menu



Key definition：
A. Function key
B. + key
C. - key
D. Confirm key

1.Display function

No.	Display	Function
1	A001	9 Channel address code，（001—512） B、C Key addition and subtraction address code value
2	d001	4 Channel address code ，（001—512） B、C Key addition and subtraction address code value
3	CC 99	Jump，（00—99） B、C Key to modify the jump speed
4	CP99	Gradient，（00—99） B、C Key to modify the gradient speed
5	dE99	Pulse changes，（00—99） B、C Key to modify pulse speed
6	SOUND	Voice Control Changes
7	R255	W（000—255） B、C Key to change brightness
8	G255	W（000—255） B、C Key to change brightness

9	B255	Y（000—255） C、C Key to change brightness
10	O255	Y（000—255） B、C Key to change brightness

2.Backstage display window function

No.	Display	Function
1	R235	W Current，（020—255）default value (235)
2	G235	W Current，（020—255）default value(235)
3	B235	Y Current，（020—255）default value(235)
4	O235	Y Current，（020—255）default value (235)
5	n255	Total power limit，（050—255）default value(255No limit)
6	LEdF	LEdF (Host background setting parameters) Do not push to the slave default value (LEdF)
		LEdO The host pushes to the slave to update the slave background parameters. Note: The signal line between the host and the slave is connected and powered on, and the slave is set to DMX512 mode. After the host enters this option, the host should not rush to exit and wait for the slave lamp bead to flash to indicate that the slave has been successfully updated. At this time, the host can exit.
7	LoAd	LoAd Do not restore factory settings Default value (LoAd)
		LdEd Restore factory settings Note: After entering LdEd, LdEd will flash to prompt whether to restore factory settings. After entering LdEd, the menu will not be cycled. Press D to save and exit LdEd to take effect. If you do not need to restore factory settings, press B or C in LdE mode to return to LoAd. In LoAd mode, the menu can continue to cycle. Restoring factory settings (current value) and (total power limit) will not be restored.
8	C-55	Lamp body temperature setting, (40-70) default value (55) Note: This function will only work after the lamp body is connected to a temperature control resistor
9	doFF	doFF dmx512 segment signal is not maintained (the light enters the off state after the segment signal) default value (doFF)
		don-dmx512 segment signal hold (the light after the segment signal keeps the state before the segment signal)
10	Eon-	EoFF display backlight always on
		Eon- Display backlight returns to default screen saver value after 30 seconds (Eon-)
11	FAN1	FAN1 Fan is controlled by temperature and light Default value (FAN1) Note: The fan starts when the temperature is above 45 degrees and the lamp is on. The fan stops when the temperature is below 40 degrees regardless of whether the lamp is on. If the temperature control is not connected, the fan is only controlled by the light, that is, the fan starts when the light is on and stops after

		60 seconds when the light is off.
		FAN0 The fan is not controlled by temperature or light (always running)
12	CH-A	(CH-A) Channel mode switch Default value (CH-A) 1 Master 2 Strobe 3 Function 4 Speed 5R 6G 7B 8W
		(CH-b) Channel mode switch 1 Master 2R 3G 4B 5W 6 Strobe 7 Function 8 Speed
13	F-14	Dimming refresh frequency (02k-14k) hz default value (14khz) Note: Too low a frequency may cause flickering in shooting but better dimming, too high a frequency may cause poor dimming but no flicker in shooting, so the frequency setting depends on the scene
14	L-01	Dimming curve (1-4), default value (01) 01 Linear dimming. 02 Square dimming. 03 Inverse square dimming. 04 S-shaped dimming.
15	16bt	16bt 16-bit dimming mode (soft dimming without flicker, and the dimming speed will be slower) default value (16bt)
		-8bt 8-bit dimming mode (the dimming is a little flickering, and the dimming speed is synchronized with the console value change speed)
16	t001	t001 (000—255) dimming speed. This menu will not appear when the 16bt dimming mode is selected. Default value (t001)

4.DMX Channels

9CH

Channel	Function	Describe
1 CH	Total dimming	Overall dimming, linear dimming, from dark to bright
2CH	Total strobe	Total strobe, from slow to fast
3CH	Feature Selection	0-5 empty; 6-100 jump change 101-150 gradual change 151-200 pulse change 201-255 voice control
4CH	Function speed	Function speed, from slow to fast
5CH	W Dimming	W Dimming, linear dimming, from dark to bright
6CH	W Dimming	W Dimming, linear dimming, from dark to bright
7CH	Y Dimming	Y Dimming, linear dimming, from dark to bright
8CH	Y Dimming	Y Dimming, linear dimming, from dark to bright
9CH	Color Temperature	2700----7000K

4CH

Channel	Function	Describe
1 CH	W Dimming	W Dimming, linear dimming, from dark to bright
2CH	W Dimming	W Dimming, linear dimming, from dark to bright
3CH	Y Dimming	Y Dimming, linear dimming, from dark to bright
4CH	Y Dimming	Y Dimming, linear dimming, from dark to bright

5.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 connection of power and main fuse.
2. Measure the mains voltage on the main connector.
3. Check the power on LED.

B. Not responding to DMX controller

1. DMX LED should be on. If not, check DMX connectors, cables to see if link properly.
2. If the DMX LED is on and no response to the channel, check the address settings and DMX polarity.
3. If you have intermittent DMX signal problems, check the pins on connectors or on

PCB of the unit or the previous one.

4. Try to use another DMX controller.
5. Check if the DMX cables run near or run alongside to high voltage cables that may cause damage or interference to DMX interface circuit.

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 motors drive IC on the PCB might be out of condition

6.Fixture Cleaning

The cleaning of internal and external optical lenses and/or mirrors must be carried out periodically to optimize light output. Cleaning frequency depends on the environment in which the fixture operates: damp, smoky or particularly dirty surrounding can cause greater accumulation of dirt on the unit's optics.

Clean with soft cloth using normal glass cleaning fluid.

Always dry the parts carefully.

Clean the external optics at least every 20 days. Clean the internal optics at least every 30/60 days.