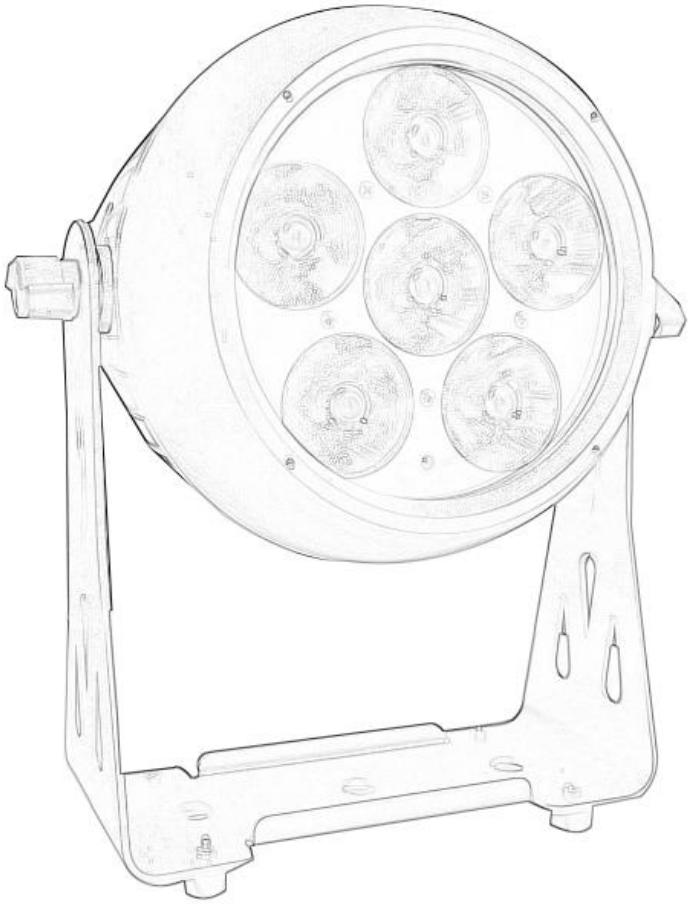
lighting PLUS

User manual



IP-B620

Please read the instructions carefully before use

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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

Input voltage: AC100V-250V/50-60HZ
Power: 120W
Light source: 6* 20W high brightness LED beads (6 in 1)
Shell: All aluminum body, better heat dissipation
Color: 16.7 million color changes
Waterproof grade: IP65
Display: OLED touch screen, convenient and fast, CCT menu key.
Color temperature: 2700-10000K adjustable (300K is a unit)
Time mode: 2 hours/4 hours/6 hours /8hour mode optional
Channel mode:2CH/6CH/8CH/11CH
Light source lifespan: 50000 hours
Lens angle: 10 20
Control: DMX512, master-slave control, self-propelled, 2.4G wireless DMX512
Infrared remote control, WiFi mobile application control (supports Apple and Android)
Battery: Imported 18650 lithium battery with a capacity of 12000MAH
Charging and discharging up to 500 times or more
Charging time: fully charged within 8 hours
Discharge time: RGBWAUV fully lit for 3hours, monochromatic for 15 hours.
Self mode for 8 hours
Dimension:195*142.5*253.5mm; N.W: 4.2kgs

Features:
①Self standing suspension
②Mute
③Ultra high frequency (64KHZ) dimming technology with no jitter or flicker

3.Control Menu

1. Touch panel operation instructions



2. Menu Function Description

Display mode			Function
Address	001—512		Address code settings
Channel	2CH		2 channel mode
	6CH		6 channel mode
	8CH		8 channel mode
	11CH		10 channel mode
DMX Fail	Blackout		Drop signal line black field
	Hold		Drop the signal line and keep it
Frequency	600HZ		600Refresh frequency
	1200HZ		1200Refresh frequency
	2000HZ		2000Refresh frequency
	4000HZ		4000Refresh frequency
	12KHZ		12KRefresh frequency
	25KHZ		25KRefresh frequency
Custom	Red:0-255		Red manual dimming
	Green:0-255		Green manual dimming
	Blue:0-255		Blue manual dimming
	White:0-255		White manual dimming
	Amber:0-255		Amber manual dimming
	UV:0-255		Purple manual dimming
	Static	Colour:01-32	32 static color mixing

Program		Speed:00-16		Strobe speed (when the speed is 00, it is static color mixing)
	Auto	Speed:01-16		Color jump
	Fade	Fade 01	Speed:01-16	color gradient
		Fade 02	Speed:01-16	color mutation
		Fade 03	Speed:01-16	Color changes
	Sound	Sound:01		Voice control color change
		Sound:02		Voice controlled mutation
		Sound:03		Voice controlled color changing strobe
		Sound:04		Voice controlled color change + mutation + color change and strobe
	CCT	2000K	color temperature2000K	
		2200K	color temperature2200K	
		2400K	color temperature2400K	
		2600K	color temperature2600K	
		2800K	color temperature2800K	
		3200K	color temperature3200K	
		3600K	color temperature3600K	
		4000K	color temperature4000K	
		4400K	color temperature4400K	
		4800K	color temperature4800K	
		5200K	color temperature5200K	
		5600K	color temperature5600K	
		6000K	color temperature6000K	
		6400K	color temperature6400K	
		6800K	color temperature6800K	
		7200K	color temperature7200K	
		7600K	color temperature7600K	

		8000K	color temperature8000K	
		8400K	color temperature8400K	
		8800K	color temperature8800K	
		9200K	color temperature9200K	
		9600K	color temperature9600K	
		10000K	color temperature10000K	
	WIFI	LED_XXX		WIFI Mode and link address
Wireless DMX	On	On		Wireless on
		Clear		Clear
		Connect		Configuration
		Off		wireless off
	Receive			Receiving (slave—status light turns white)
	Transmit			Send (host—status light turns blue)
Run Time	2/4/6/8 hour			Lamp usage time settings
Back Light	Always on			Display normally open
	10s			Display standby and turn off the screen after 10 seconds
	20s			Display standby and turn off the screen after 20 seconds
	30s			Display standby and turn off the screen after 30 seconds
IR	ON/OFF			Infrared remote control on/off
Menu Lock	ON/OFF			Key lock on/off (When the screen is locked, press and hold the UP+DOWN keys to unlock)
Factory Reset	NO/YES			System self-test reset
Curve	Led Curve 1			linear curve
	Led Curve 2			square curve
	Led Curve 3			logarithmic curve
	Led Curve 4			S-curve
Information	Version	V1.1		Software version
	Current Time	00H00M00S		usage time
	Temperature	25℃		temperature
	RDM	ID 00711A5B7248		ID NO.

Remarks:

A. In A001 status mode, press and hold the ENTER key for 3 seconds before the program automatically enters current regulation mode. Press ENTER again to select the color (up and down keys to adjust the value), and then press Menu key to return.

B. The frequency band indicator light is red slow flashing when the host sends, and green slow flashing when the slave receives.

C. The steps for controlling mobile phone WIFI are as follows:

Step 1: Install the app for this software on your phone first (LED LAMP - Stage - LED LIGHT)

Step 2: Switch the lamp display function to WIFI mode (under the menu Program WIFI mode)

Step 3: Open the settings icon on your phone, open WIFI, and search for the WIFI address. The text starting with an LED will appear. For example, "LED-XXX", click on the link

Step 4. The phone returns to the Home screen, finds the APP installed on the phone, opens it, and controls it after the link is successful.

D.In the menu Wireless mode, the 7 frequency bands of wireless 2.4G can be adjusted, and the corresponding light colors of the 7 frequency bands are as follows (01 red/02 green/03 yellow/04 blue/05 light blue/06 purple/07 white)

E. During the charging process, the charging interface will appear on the display screen (if you need to use the lamp while charging, press the MENU button under the charging interface to enter the operation mode and operation mode of the lamp)

F. Over temperature protection function: (1. When the temperature reaches 50 ° 59 ° C, the program will automatically reduce the brightness by 30%; 2. When the temperature reaches 60 ° 69 °C, the program will automatically reduce the brightness by 25%; when the temperature reaches 70 °79 °C, the program will automatically reduce the brightness by 30%; when the temperature reaches 80 ° C, the program will automatically turn off the light)

G. This lamp supports wired RDM and software online upgrade functions.

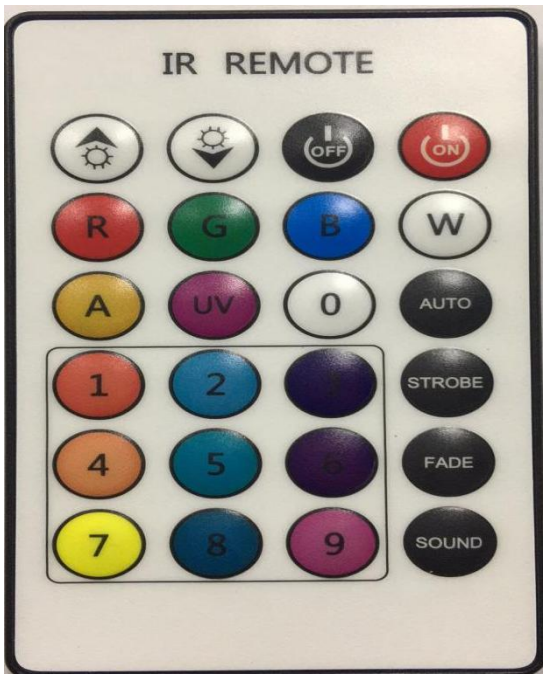
4.DMX Channels

Channel Number	2CH MODE	6CH MODE	8CH MODE	11CH MODE
CH1	1-255 Total dimming	1-255 Red linear dimming	1-255 Total dimming	1-255 Total dimming
CH2	0-10 Closed light 11-20 Color temperature 2000K 21-30 Color temperature 2200K 31-40bColortemperature 2400K 41-50Color temperature 2600K 51-60Color temperature 2800K 61-70Color temperature 3200K 71-80Color temperature 3600K 81-90Color temperature 4000K 91-100Color temperature 4400K 101-110Color temperature 4800K 111-120Color temperature 5200K 121-130Color temperature 5600K 131-140Color temperature 6000K 141-150Color temperature 6400K 151-160Color temperature 6800K 161-170Color temperature 7200K 171-180Color temperature 7600K 181-190Color temperature 8000K 191-200Color temperature 8400K 201-210Color temperature 8800K 211-220Color temperature 9200K 221-230Color temperature 9600K 231-240Colortemperature 10000K 241-255NO FUNCTION	1-255 Green linear	0-9 off light, 10-255 strobe (slow to fast)	1-255 Red linear dimming
CH3		1-255 Blue linear dimming	1-255 Red linear dimming	1-255 Green linear dimming
CH4		1-255 White linear dimming	1-255 Green linear dimming	1-255 Blue linear dimming
CH5		1-255 Amber linear dimming	1-255 Blue linear dimming	1-255 White linear dimming

CH6		1-255 Purple linear dimming	1-255 White linear dimming	1-255 Amber linear dimming
CH7			1-255 Amber linear dimming	1-255 Purple linear dimming
CH8			1-255 Purple linear dimming	0-9offlight, 10-255 strobe (slow to fast)
CH9				0-10 Closed light 11-20 Color temperature 2000K 21-30 Color temperature 2200K 31-40 Color temperature 2400K 41-50 Color temperature 2600K 51-60 Color temperature 2800K 61-70 Color temperature 3200K 71-80 Color temperature 3600K 81-90 Color temperature 4000K 91-100 Color temperature 4400K 101-110Color temperature 4800K 111-120 Color temperature 5200K 121-130Color temperature 5600K 131-140Color temperature 6000K 141-150Color temperature 6400K 151-160Color temperature 6800K 161-170Color temperature 7200K 171-180Color temperature 7600K 181-190Color temperature 8000K 191-200Color temperature 8400K 201-210Color temperature 8800K 211-220Color temperature 9200K 221-230Color temperature 9600K 231-240Colortemperature10000K 241-255 NO FUNCTION
CH10				0-9 Closed light 10-50Staticcolormixing 51-100Jump mode 101-150Gradientmode 151-200mutationpattern 201-215 Color changing voice control 216-230Color strobe voice control 231-245 Mutant voice control 246-255 Breathing voice control

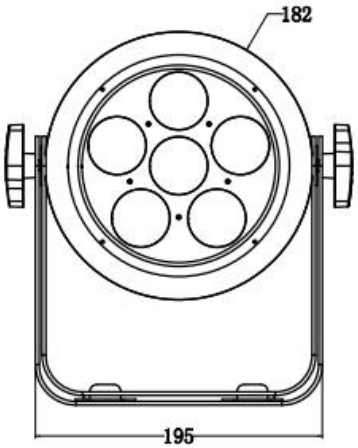
CH11				0-255 speed

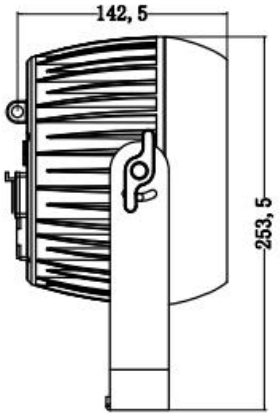
Infrared remote control function:

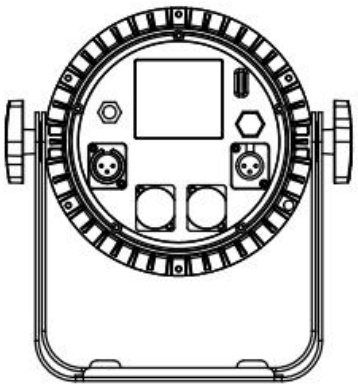


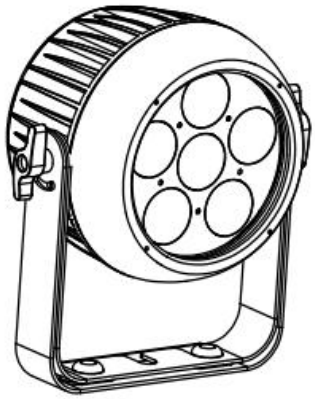
1、Dimming up button
2、Dimming down key
3、OFF light off pause
4、ON operation
5、R、G、B、W、A、UV keys are 6 monochromes.
6、The 0 key is in the A001 console reception mode, and the up and down keys adjust the address
7、1-9 number keys for 9 mixed colors.
8、The AUTO key changes color, and the up and down keys adjust speed.
9、The STROBE key is a strobe, and the up and down keys adjust the speed.
10、FADE key for color gradient, up and down keys to adjust speed.
11、The SOUND key is for voice control, and the up and down keys are used to adjust the current voice control mode.

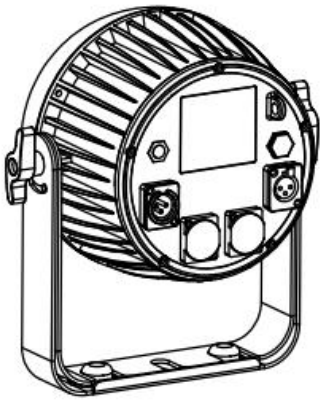
6. Dimension











6.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

7.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.