

IP65 12X18W RGBWA+UV BATTERY POWERED UPLIGHTING***USER MANUAL***

For safety, please read this user manual carefully before initial use.

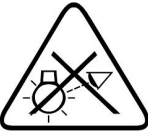
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1 Important Safety Information

Symbol	Meaning
	General risk.
	Electric shock risk
	Hot surface
	Suitable for indoor use only.
$T_a 45^{\circ}\text{C}$	Maximum operating ambient temperature.
	Minimum distance from illuminated objects.
	Do not stare at the operating light source.
 Risk Group 2	Photobiological safety risk group2
	Never expose the front lens to sunlight or any strong artificial Light source from any angle to avoid damage of head internal parts.



European Community Directive 2012/19/EU on Waste Electrical and Electronic Equipment. (WEEE)

2 General Warning

Carefully read the instruction contained in this User Manual, as they give important information regarding your safety and others during installation, use, and maintenance of the product.

The unit is not suitable for domestic use and must be installed by qualified personnel only.

The device must always be equipped with an efficient ground connection.

3 Level of protection IP



- The projector is classified as an ordinary appliance and its protection level against the penetration of solid and liquid objects is IP65.
- The projector contains electric and electronic components which should under no circumstances come into contact with oil, water, or any other liquid. The proper functioning of the unit would be compromised should this occur.

4 Included Items

- 1x PowerCON female connector
- 2x Omega clamp with ¼- turn “Fast Lock” connection(For moving head)
- Safety cable(Optional)
- Signal cable

5 General Warranty Conditions

The unit is guaranteed for 12 months from the date of purchase against manufacturing material defects.

The warranty covers defects in materials and workmanship. The warranty is not applicable where a defect is caused by misuse or unauthorized repair of the product.

Any functional or/and physical modification of the product is not allowed.

6 Product Installation

The unit is suitable for dry locations only.

The unit may be either floor or ceiling mounted.

6.1 Floor mounting

For floor mounting installations, This model is supplied with four rubber mounting feet at the base

6.2 Ceiling mounting

For ceiling mounting installations, we recommend the use of appropriate clamps to fix the unit to the mounting surface.

The supporting structure from which the unit is hung should be capable of bearing the weight of the unit, as should any clamps used to hang it.

The structure should also be sufficiently rigid as not to move or shake whilst the device is moving.

Four ¼-turn “Fast Lock” connections placed in the base of the unit allow this model to hang by using Omega brackets (provided with the unit).

6.3 Safety Cable

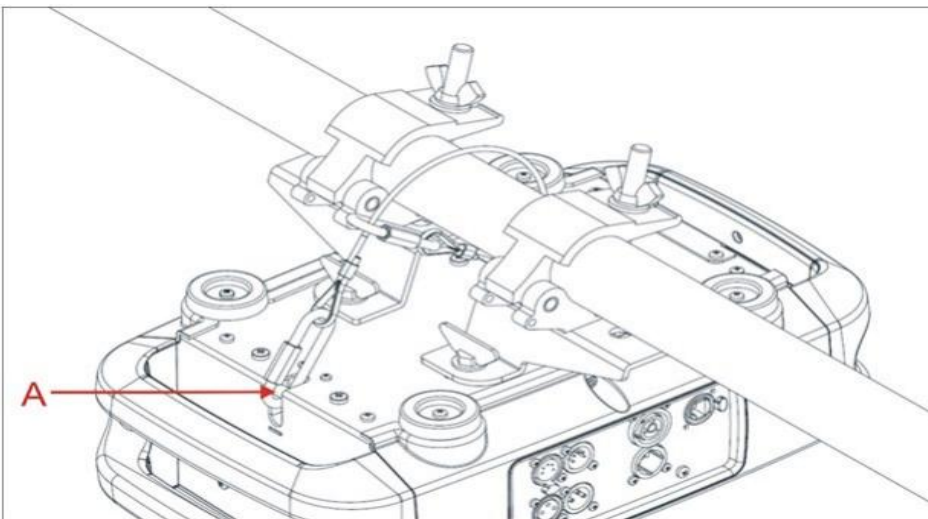


A safety cable must be securely fixed to this model and to the suspension truss in order to avoid the fixture accidentally falling, should the main fixing point fail.

The safety cable used must be approved by a notified body according to IEC 60598-2-17 and must be capable of bearing at least 10 times the weight of the unit. For more information,

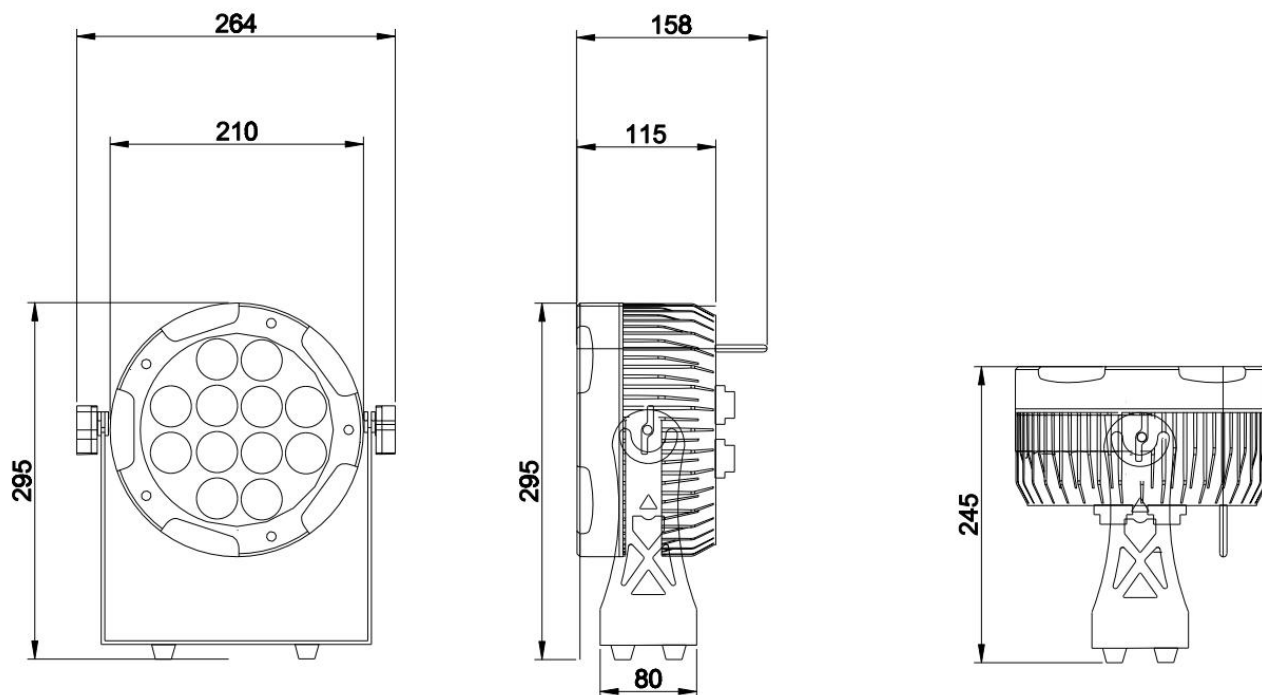
please refer to an authorized service center.

You may attach the safety cable to the attachment point (A) located at the base of the fixture, as shown in the picture as below.

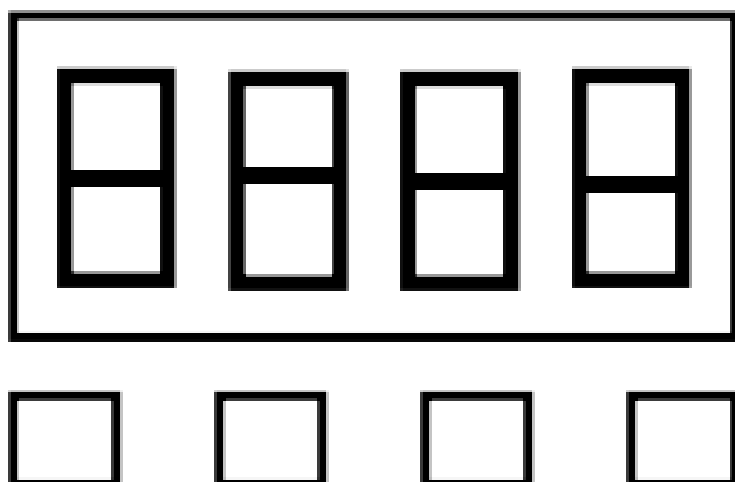


7 Product Features

7.1 Dimensions



7.2 Menu Operation



MENU	- To access the control menus in the display panel. - To return to the previous level in the menu structure without saving any changes. - To exit the menus.
ENTER	- To select any desired menu. - To confirm any selection made or save any changes.
UP / DOWN	- To navigate the menus' structure. - To scroll between any values.

7.3 Menu

MENU		DESCRIPTION	
A001	A001—A512)	DMX address	
Chnd	6CH	6CH	
	8CH	8CH	
	10CH	10CH	
FAIL	BLND	Blackout	
	HOLd	Data not saved	
CL01	CL01—CL32	32 static color mixing modes, Strobe mode St00-St16 after confirmation	
AUTO0	AUT0	AUTO mode,speed mode SP01-SP16	
	AUT1	Color changing mode,speed mode SP01-SP16	
	AUT2	Fade mode,speed mode SP01-SP16	
	AUT3	Mutations mode,speed mode SP01-SP16	
	AUT4	Strobe mode,speed mode SP01-SP16	
SOU0	SOU0	Sound mode	
	SOU1	Color changing sound mode	
	SOU2	Fading mode	
	SOU3	Strobe &color changing sound mode	
WIFI	LED-XXX	WIFI address	
NANU	R000-255	Red	
	G000-255	Green	
	B000-255	Blue	
	U000-255	White	
	Y000-255	Amber	
	P000-255	UV	
	S000-255	Strobe	
	d000-255	Brightness	
TEST		Color test	
LED	ON	Display On	
	OFF	Display off	
IRCL	ON	Infrared remote control on	
	OFF	Infrared remote control off	
2.4G	ON	Wireless 2.4G is turned on (press the confirmation button for 3 seconds to enter FM: 1-7)	
	OFF	Wireless 2.4G off	
POUR	ON	POWER ON	3 SECONDS
	OFF	POWER OFF	
VER	V1.0	SOFTWARE	

7.4 Advanced Parameter Setting

R	000-255	Red
G	000-255	Green
B	000-255	Blue
W	000-255	White
Y	000-255	Amber
P	000-255	UV
L	LON	100% dimmer
	LOFF	Single color control
F	F006	600HZ refresh rate
	F012	1.2K Refresh rate
	F020	2K Refresh rate
	F040	4K Refresh rate
	F120	12K Refresh rate
	F240	24K Refresh rate
T	T000	Current temperature
N	NOFF	Intelligent temperature control off
	N065	Intelligent temperature control is on
D	DON	Dimming delay on
	DOFF	Dimming delay off
C	C 0	linear curve
	C 1	square curve
	C 2	logarithmic curve
	C 3	S-curve

7.5 DMX Chart

CH	6CH MODE	8CH MODE	10CH MODE
CH1	0-255 Red	0 -255 GENERAL DIMMING	0 -255 Master dimmer
CH2	0-255 Green	0-10 OFF, 11-255 Strobe from slow to fast	0-255 Red
CH3	0-255 Blue	0-255 Red	0-255 Green
CH4	0-255 White	0-255 Green	0-255 Blue
CH5	0-255 Amber	0-255 Blue	0-255 White
CH6	0-255 UV	0-255 White	0-255 Amber
CH7		0-255 Amber	0-255 UV
CH8		0-255 UV	0-10 OFF, 11-255 Strobe from slow to fast
CH9			0-9 OFF 10-50 COLOR(Select color mixing with 10 channels) 51-100 Jump(Adjust speed with 10 channels) 101-150 Fading(Adjust speed with 10 channels) 151-200 Mutation(Adjust speed with 10 channels) 201-220 Jump Color Sound 221-240 Strobe Color Sound 241-255 Mutation color sound
CH10			0 -255 Speed adjust

The device is controlled by universal DMX 512 protocol, DMX address is the start channel used to receive instructions from the external controller. For independent control, each fixture must be assigned its unique address control channels. For example, there is channel mode: 14/16, if we set the mode at standard 16

channels mode, and there are several models need to be independently controlled, we just simply address first fixture at 1, and second fixture at 17, third one at 33, etc.

- If the devices have the same address, they will behave synchronically.
- Display is flashing when no DMX signal is received.

7.6 IR Remote

1. SWITCHING THE LEDS ON AND OFF

The LEDs can be switched on with the button ON and switched off with the button OFF.

2. ADJUST BRIGHTNESS AND SPEED

Use the buttons and to adjust the brightness for the static colours or speed in program mode.

3. SELET BASIC COLOUR

R: Select red colour

G: Select green colour

B: Select blue colour

W: Select white colour

A:Select amber color

UV:Select UV color

4. 0 BUTTON

0 button is the A001 receiving mode.

5. NUMBER BUTTONS

For constant lighting of all LEDs in one colour mixing, press the corresponding static colour mixing button.

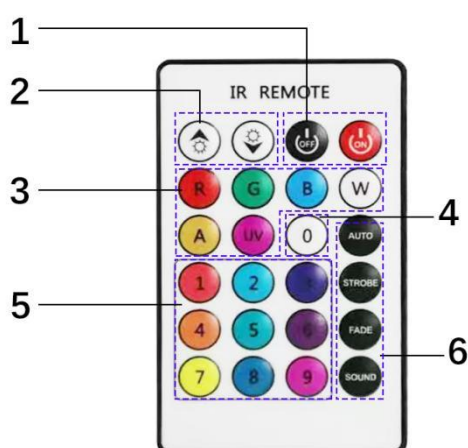
6. SELECTING AN INTERNAL PROGRAM

AUTO: Auto run mode

STROBE: Colour strobe

FADE: Colour fade

Sound: Sound control mode



7.7 Mobile Phone WIFI APP

Step 1: Download the LED LAMP APP on your mobile phone firstly.

Step 2: To enable the WIFI function, Press menu to select WIFI mode until you see LED-XXX text on the display.

Step 3: Tap settings, turn on WIFI, and connect to a WIFI network and pair the LED-XXX

text.

Step 4: Open the corresponding APP, and it'll show that the connection is successful, then you can manage and control it (This lighting APP control software can only be used For LED LIGHT control)

Features:

1. Support advanced parameter settings for master-slave connection
2. Support standard DMX512 and wired RDM
3. Support software online upgrade
4. Support temperature control settings
5. Support wireless 2.4G connection
6. Support mobile APP control (Android and Apple)

8 More Functions

- Software upgrade function via DMX cable. If there is any new firmware for this device, it can be upgraded simply via a software upgrade box, without the need to change any mechanical parts. The upgrade box is not included in the package, if you need any further assistance please contact your authorized dealer.
- Hibernation. The device will enter standby mode if activated after a period of disconnecting DMX signal to save power and will wake immediately when the DMX signal is sent or received again.

9 Technical Specifications

Power

- Input Voltage: 90~260V AC, 50/60Hz
- Power Consumption: 108W
- Fuse: F5A, 250V

Photometric

- Light Source: 12*18W RGBWA+UV LEDs
- LED Lifespan: 50,000hours
- 26°Beam angle

Effects

- Smooth dimmer: 0~100%(4 user selectable dimming curves)
- Pulse effect
- Strobe: 1-30Hz
- Full pixel control
- Pure smooth color mixing
- Support mobile APP control (Android and Apple)
- Different kinds of preset macro effects with variable speed
- Impressive cross-fade effect
- Outstanding strobe effect with variable speed
- 1.2-24K LED PWM frequency
- Support 2.4G wifi connection
- Full power: 2 hours

- Auto run:5 hours
- Single color running:12 hours
- Battery capacity:5200MAH
- IR remote

Control

- Protocol:DMX512,RDM, master-slave, sound activated or auto operation
- DMX Channels: 6/8/10
- Waterproof 3-pin XLR IN/OUT
- Waterproof PowerCON IN/OUT
- Display: 1.4 inch LCD display
- Wireless and IR remote(Optional)
- Firmware Upgrade: Upgrade via DMX link

Housing

- Materials: Aluminium die-cast
- Finishing: Matte black
- IP Rating: IP65
- Net Weight: 4.98kgs
- Gross weight:5.98kgs
- Product dimension:264*115*295mm
- Rigging: Power cable, signal cable, IR remote

Cooling System

- Advanced cooling system integrated aluminum
- Constant temperature readout and management function
- Over temperature protection management

Working Environment

- Maximum Ambient Temperature:45°C
- Minimum Operating Temperature:-10°C
- Protection Rating:IP65

Approvals

- CE compliant
- RoHS compliant

10 Periodic check-ups



Warning! Disconnect from mains before serving

10.1 Mechanical Parts

Periodically check all mechanical parts, gears, guides, belts, etc., for wear and tear. Replace them if necessary.

Periodically check the lubrication of all components, particularly the parts subjected to high temperatures. If necessary, apply suitable lubricant (available from factory) where needed.

Check the tension of the belts and adjust them where necessary.

10.2 *Electrical Components*

Check all electrical components for correct earthing and proper connection of all connectors. Refasten where necessary.

