

IP65 18X12W RGBWA+UV PAR CAN***USER MANUAL***

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

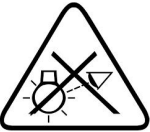
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1 Important Safety Information

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

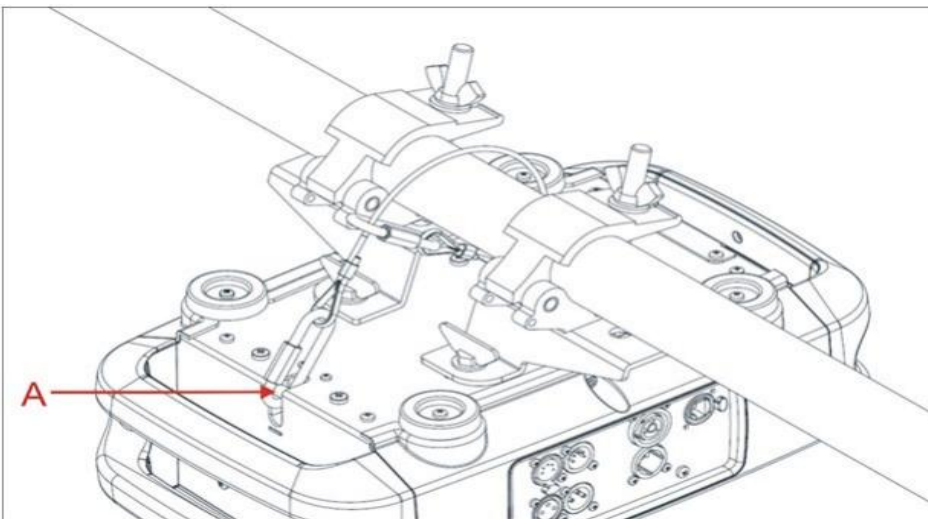


A safety cable must be securely fixed to this model and to the suspension truss in order to avoid the fixture accidentally falling, should the main fixing point fail.

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,

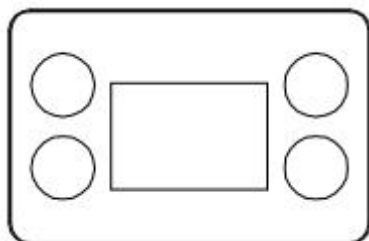
please refer to an authorized service center.

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 Menu Operation

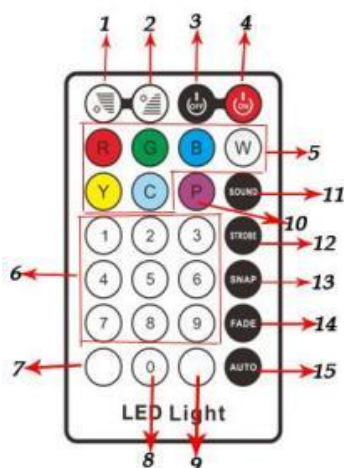


MENU	• To access the control menus in the display panel. • To return to the previous level in the menu structure without saving any changes. • To exit the menus.
ENTER	• To select any desired menu. • To confirm any selection made or save any changes.
UP / DOWN	• To navigate the menus' structure. • To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

MENU			DESCRIPTION	
Address	001—512		Address Address Setting	
Channel	6CH		6 CH	
	8CH		8 CH	
	10CH		11 CH	
DMX Fail	Blackout		Blackout	
	Hold		Hold on It	
Frequency	600HZ		600 Refresh Frequency	
	1200HZ		1200 Refresh Frequency	
	2000HZ		2000 Refresh Frequency	
	4000HZ		4000 Refresh Frequency	
	12KHZ		12K Refresh Frequency	
	25KHZ		25K Refresh Frequency	
Custom	Red:0-255		Manual Red	
	Green:0-255		Manual Green	
	Blue:0-255		Manual Blue	
	White:0-255		Manual White	
	Amber:0-255		Manual Amber	
	UV:0-255		Manual UV	
	Static	Colour:01-32	32 Static Color Mixing	
Program		Speed:00-16	Strobe Speed (When the Speed is 00, It is Static Color Mixing)	
	Macro	Speed:01-16		Color Jump
	Fade	Fade 01	Speed:01-16	Color Fading
		Fade 02	Speed:01-16	Color mutation
		Fade 03	Speed:01-16	Color Change
	Sound	Sound:01		Sound Color Change
		Sound:02		Sound Controlled Mutation
		Sound:03		Sound color-changing strobe
		Sound:04		Sound Color Change + Sudden Change+ Color-changing Strobe
	WIFI	LED_XXX		WIFI mode
Master/Slave	Slave	In receive mode, the slave status light is green.		
	Master	In sending mode, the host status light is blue.		
Wireless DMX	GZ WDMX	On	Press and hold the confirm button for 3 seconds in 2.4G (On) mode to enter wireless protocol selection mode, GZ/Sweden	
		ID1/ID2/ID3/ID4/ID5/ID6/ID7 (Red/Green/Yellow/Blue/UV/Cyan/White)		
		Off		
	RD WDMX	On		
		Off		
		Clear		
Pairing				
Economy Mode	Normal		Battery Standard Mode	
	Economy		Battery Saving Mode	
Back Light	20s	Display Standby and Turn Off the Screen after 20 Seconds		
	30s	Display Standby and Turn Off the Screen after 30 Seconds		

	40s	Display Standby and Turn Off the Screen after 40 Seconds	
IR	ON/OFF		IR Remote 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		Reset Default
Curve	Led Curve 1		Linear Curve
	Led Curve 2		Square Curve
	Led Curve 3		Logarithmic Curve
	Led Curve 4		S-curve
Information	Version	V1.0	Software Version
	Current Time	00H00M00S	Use Time
	RDM	ID 00711A5B7248	ID Number

7.2 IR&APP Operation



1. Dimmer UP
2. Dimmer Down
3. OFF (IR control Off)
4. ON (IR control On)
5. R、G、B、W、Y、C is meant to 6 colors
6. Number 1-9 is 9 mixed colors, 8 button is wireless on, 9 button is wireless off
7. 0 left key A001 console mode, can change by up and down
8. Key 0 is 32 mixed colors mode, can change by up and down
9. 0 right channel mode, can change by up and down
10. The C key is empty
11. SOUND key is for SOUND control, and the up and down keys are adjusted to SOUND control mode
12. STROBE key is STROBE, and the speed is adjusted by up and down key
13. SNAP key for color mutation, up and down key speed
14. FADE key is color gradient, up and down keys adjust speed
15. AUTO button is a color jump, and the up and down keys are used to adjust the speed.



7.5 DMX Chart

CH	6 CH	8 CH	10 CH
CH1	0-255 Red linear dimmer	0-255 total dimmer	0-255 Master dimmer
CH2	0-255 Green linear dimmer	0-9 off ,10-255 Strobe from slow to fast	0-255 Red linear dimmer
CH3	0-255 Blue linear dimmer	0-255 Red linear dimmer	0-255 Green linear dimmer
CH4	0-255 White linear dimmer	0-255 Green linear dimmer	0-255 Blue linear dimmer
CH5	0-255 Amber linear dimmer	0-255 Blue linear dimmer	0-255 White linear dimmer
CH6	0-255 UV linear dimmer	0-255 White linear dimmer	0-255 Amber linear dimmer
CH7		0-255 Amber linear dimmer	0-255 Purple linear dimmer
CH8		0-255 UV linear dimmer	0-9 OFF, 10-255 Strobe from slow to fast
CH9			0-9 OFF 10-50 Static Color Mixing 51-100 Jump Mode 101-150 Gradient Mode 151-200 Sudden Change Mode 201-215 Color Change Sound Control 216-230 Color Flash Sound Control 231-245 Sudden Change Sound Control 246-255 Breathing Sound Control
CH10			0-255 Speed

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 modes: 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.

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: 180W
- Fuse: F5A, 250V

Photometric

- Light Source: 18*12W 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:3 hours
- Auto run:7 hours
- Single color running:12 hours
- Battery capacity:5200MAH
- IR remote

Control

- Protocol:DMX512,RDM, master-slave, sound activated or auto operation

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- 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: 7.5kgs
- Gross weight:8.5kgs
- Product packing dimension:46*35*26cm
- 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℃
- Minimum Operating Temperature:-10℃
- 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.
