

ECOPARCAN-1815-RGBWA+UV

User's Manual



Thank you for using our LED PAR light 18x15W RGBWA+UV 6in1, for your safety, please read the user`s manual carefully before your operation.

Note: This manual includes the important information of installation, operation, safety instruction. Please install and operate as requested in the manual, meanwhile, please keep the manual for any unexpected requirement

I. Preface

This Manual includes the important information of installation and operation. Please install and operate the light according to the instructions strictly. And it must be power off when open the light or before repair.

- Please read the complete contents of this manual (please keep this manual attach with the light for any preview)
- In order to make sure the correct and safety installation、operation and maintenance, well know and follow to the instructions of Manual is necessary.
- We will not take any responsibility to the light damage、property loss or body injure which caused by the incorrect installation、operation and maintenance.

Notice:

The data which inside the Manual maybe changed due to the continuous improvement, and we'll not make another notice. We will keep the right to any specification update during improvement

Waring: the light should keep away from fire and water to avoid it get into light.

Packing Content

- One LED PAR 18x15W RGBWA+UV 6in1
- One power cable, DMX cable
- User manual

Note: Please check if all the contents are completed after unpacking, then, check if the light is undamaged.

Safety specifications

- This device for indoor use only, the protection grade is: IP20
- Installing of the light must keep a distance with any flammable objects by 5m at least. The distance between the light and the projected objects must be no less than 1m.
- Please never directly install the light on the surface of the flammable objects.
- The installation、operation and maintenance must be managed by the qualified professional, and make sure to operate it under the instruction of the Manual.
- Make sure the work environment temperature of the light maximum 35℃, and minimum -20℃
- The temperature of the light surface will up to 60℃ even under the normal cooling, so never touch it by hand.
- The light was designed by electric shock protection type, and must connect to the power supply system which well earthed. Furthermore, the ground wire of the light must connect to the ground wire of the power supply system, ground wire interface of the light must well connect with the light body (or light must be well earthed)
- Please check if the voltage is in accordance with the rated power before installing.
- Please never use the power cable which was damaged the insulation cover, meanwhile, never put the power cable on any other wire. Please pull out the power cable by handle the plug when light is stop working or cleaning, never pull out it roughly or handle the wire directly.
- The light doesn't include any spare parts for repairing , please check if all the parts are well installed and screws are drove tightly before operating. It's prohibited to use the light when the cover is opened.

Notice: Please make sure it is power off before any installation, repair and clean.

II. Technology Parameter

- Control Channels: 6/10 DMX Channels
- Beam Angel: 40°
- Control Mode: AUTO, Master/Slave, DMX512, Sound Active
- Working Environment: Indoor, -20°C-40°C
- Mixing Color: RGBWA+UV mixing color
- IP Grade: IP20
- Power Supply: AC 100-240V/50-60Hz
- LED Unites: 18pcs x 15W (RGBWA+UV)
- Power consumption:160W
- Packing size: 25×25×36cm 79×52×38.5cm(6pcs/CTN)
- NW: 2.9KG(1pc/CTN) GW; 23KG(6pc/CTN)

III. Connection of power/wire/signal

The exclusive plug should be used between the connection of light and power. Please check if the rated voltage and frequency is in accordance with the power supply. In order to make sure the power cable work in the safety environment. If found the power cable is overheat, please cut off the power and reduce the parallel connection quantity of lights, The light power supply is AC100~AC240V/50~60Hz

Make sure installation position is steady before fix the light. Professional clamp should be used when the light is reverse hanging, and drive the clamp into the screw hole which in the bracket of the light. Make sure the light will not fall from the truss, use the safety cable go through the truss and bracket of the light as a supporting, to avoid the light to fall down. There is no entrance to the work area during mounting. Periodically to check if the safety cable has fretted away or clamp is loosen. We will not take any responsibility which caused by the lighting fall of unsteady hanging.

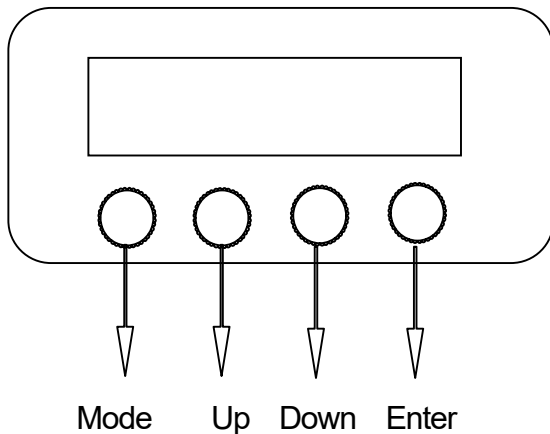
Warning:

It is prohibited to move the light by handling the clamp, please move the light by handle.

IV. Features:

- There are 4 buttons and 4 bit digital LED on the panel, you can choose different working mode via press the buttons, and it will be display one the digital led
- The fan running is automatically controlled by temperature, when the temperature is higher than 60℃, the fan will run, when the temperature is lower than 55℃, the fan will stop running.

V. Description



A. Button specifications

- 1>. Button "Mode", change the operate mode
- 2>. Button "Up", change the operate mode of sub-menu or add the value
- 3>. Button "Down", change the operate mode of sub-menu or subtract the value
- 4>. Button "Enter", for confirmation

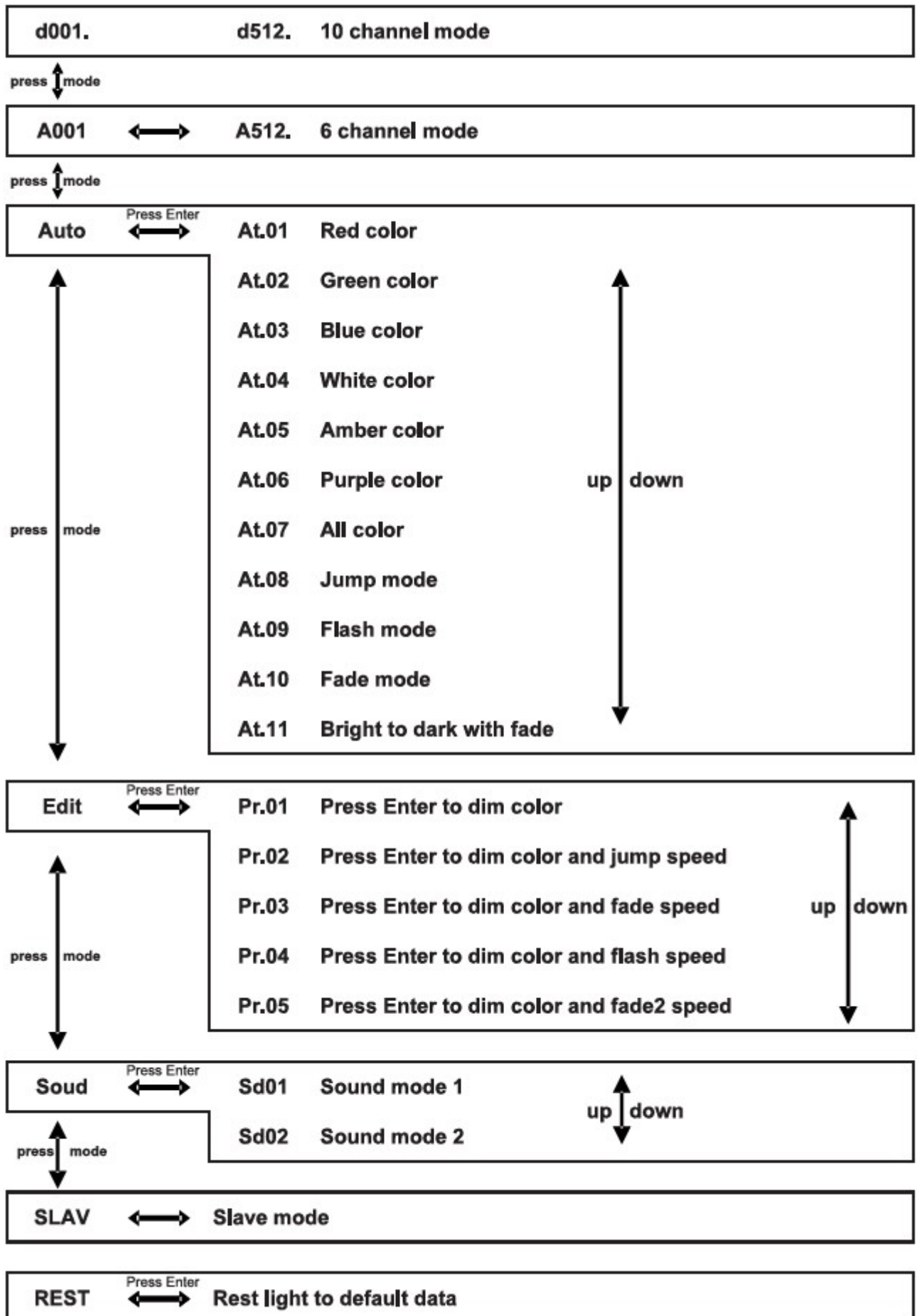
B. "DMX ADD" setting

Press button Mode to d.XXX, XXX is the value of ADD 001-512, it's the ADD code of this light, press "Up", "Down" to adjust it (range: 001-512), save automatically after setting.

C. Work "Mode" setting

The light includes 5kinds of work modes, the default mode is d.001, press button "Mode", it's available to chose in DMX mode, Auto mode, Edit mode, Slave mode, Load the default mode.

VI. Operation



VII. DMX Channel Form

6channel mode

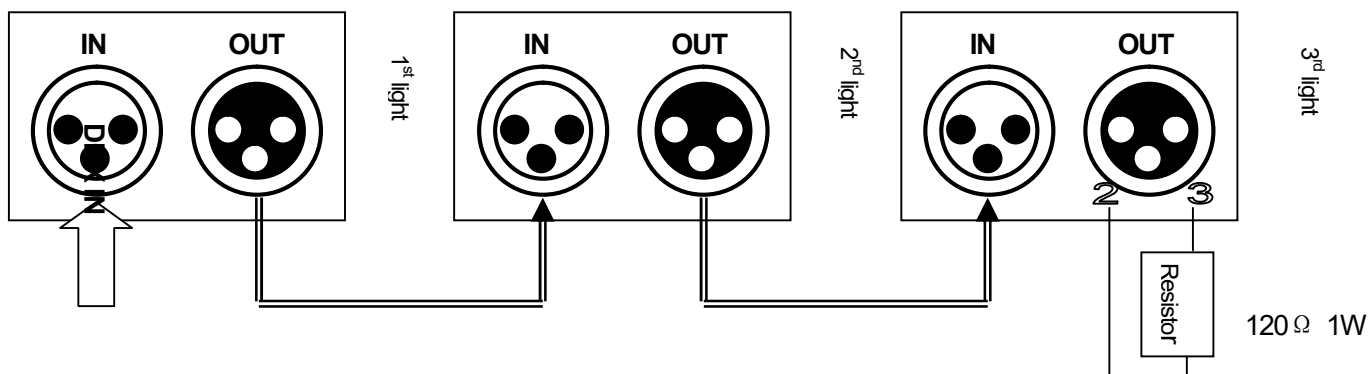
DMX Channel	DMX Value	Functions
CH1	0-255	Red dimming (from darkness to brightness)
CH2	0-255	Green dimming (from darkness to brightness)
CH3	0-255	Blue dimming (from darkness to brightness)
CH4	0-255	White dimming (from darkness to brightness)
CH5	0-255	Amber dimming (from darkness to brightness)
CH6	0-255	UV(purple) dimming (from darkness to brightness)

10channel mode

DMX Channel	DMX Value	Functions
CH1	0-255	General dimming(from darkness to brightness)
CH2	3-255	Strobe function (speed: slow to fast)
CH3	0-255	Red dimming (from darkness to brightness)
CH4	0-255	Green dimming (from darkness to brightness)
CH5	0-255	Blue dimming (from darkness to brightness)
CH6	0-255	White dimming (from darkness to brightness)
CH7	0-255	Amber dimming (from darkness to brightness)
CH8	0-255	UV(purple) dimming (from darkness to brightness)
CH9	3-255	Fade function (speed: slow to fast)
CH10	3-50	Jump function (speed: slow to fast)
	51-100	Single color fade function(speed: slow to fast)
	101-150	Brightness to darkness
	151-200	Sound mode1
	201-255	Sound mode2

VIII. Appendix

The light is available to receive the DMX512 signal, connect the DMX connector to the panel which marked with “DMX IN”, and connect it to the next light. then, connect to the “DMX IN” of next light from the “DMX OUT”. The DMX signal terminator is recommended when the lighting signal is connecting. It will avoid to interfere the signal which caused by the electrical noise, DMX terminator is a XLR connector, connect with a 120Ω resistor between the pin 2 and pin 3 of the XLR connector, and connect it to the OUTPUT socket of the final light. see picture:



IX. Faulty Disposal

Familiar Faulty	Disposal
No display when power is on	1. Check if the power cable is correctly connected
	2. Check the power supplier is correctly connected
Light is out of control	1. Check if DMX address code is correctly set
	2. Check if the DMX cable is correctly connected
The light is off after working for a while	1. The temperature of working environment is too high and caused overheat protection.
The beam is dark obviously	1. Check if the temperature is too high, and cause a fast fade
	2. Check if there is too much dust on the surface of light

Note:

Please contact the supplier or ask for professional repair if it's still don't work when excluded the above faulty.