



## ***studioPAR*** 543 RGBW

### *User Manual*

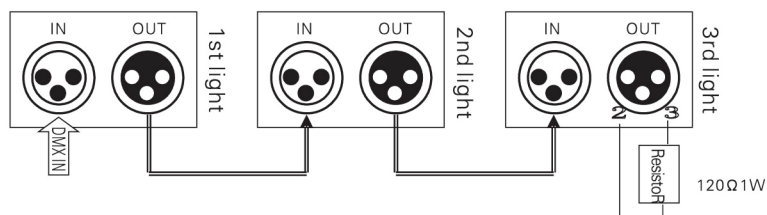


Thank you for using our LED 54×3W PAR Light. For your safety, please read the User' s Manual carefully before your operation.

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

## 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:



### DMX Channel Form

DMX Channel	DMX Value	Specifications
Ch1	0~255	General dimming(From darkness to brightness)
Ch2	0~255	Red dimming(From darkness to brightness)
Ch3	0~255	Green dimming(From darkness to brightness)
Ch4	0~255	Blue dimming(From darkness to brightness)
Ch5	0~255	White dimming (From darkness to brightness)
Ch6	0~255	Flash dimming(From slow to fast)
CH7	0~255	Fade dimming (From slow to fast)
Ch8	0~3	No function
	4~50	Sound Mode 1
	51~100	Sound Mode 2
	101~150	Sound Mode 3
	151~200	Sound Mode 4
	200~255	Sound Mode 5

### Note:

**When the light is working in Flash & Fade mode, it will not be in synchronous.**  
**After-sale service**

### Complain

- 1.The salesman will check the details of complained problem, included the item no、delivered quantity、 delivery time、 faulty and pictures, and the requirement of customer
- 2.QC and Technology department will analysis the complained problem, and give a final solution to customer

## 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.

A:Please read the complete contents of this manual ( please keep this manual attach with the light for any preview )

B:In order to make sure the correct and safety installation、 operation and maintenance, well know and follow to the instructions of Manual is necessary.

C: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

**Warning:it should be changed if the protection screen、 lens or UV screen got a visible damage, e.g.: scratch or chasm.the light should keep away from fire and water to avoid it get into the light.**

### ●Packing Content

- ( accessories ) 1.Power cable(1pcs)
- 2.Signal cable ( 1PCS )
- 3.User's Manual ( 1PCS )

### ●Unpacking Instruction:

Please check if all the contents are completed after unpacking? then, check if the light is undamaged? Please you can keep the original package and return to the factory if it's damaged

### ●Safety Specifications

- 1.This device for indoor use only, the protection grade is: IP20.
- 2.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.
- 3.Please never directly install the light on the surface of the flammable objects.
- 4.The installation、 operation and maintenance must be managed by the qualified professional, and make sure to operate it under the instruction of the Manual.
- 5.Make sure the work environment temperature of the light maximum 40℃, and minimum -20℃
- 6.The temperature of the light surface will up to 60℃ even under the normal cooling, so never touch it by hand.
- 7.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)
- 8.Please check if the voltage is in accordance with the rated power before installing.
- 9.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.
- 10.The light doesn't include any spare parts for repair, 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's power off before any installation、 repair and clean!**

## Technology Parameter

- 1.Control Channels: 8 DMX Channels
- 2.Beam Angel: 45°
- 3.Control Mode: AUTO、 Master/Slave、 DMX512
- 4.Working environment: Indoor, -20℃-40℃
- 5.Mixing Color: RGBW mixing color
- 6.Appearance: Aluminum
- 7.IP Grade: IP20
- 8.Power supply: AC 100-240V
- 9.Frequency: 50-60Hz
- 10.LED Lamp: 54pcs3W(R:18pcs G:12pcs B:12pcs W:12pcs)
- 11.Power consumption: 170W
- 12.Dimension: 22×22×30Cm
- 13.Packing size: 29×29×37Cm(1pcs/CTN) 60×60×39.5Cm(4pcs/CTN)
- 14.N/W:4.5 KG
- 15.G/W:5Kg(1pcs/CTN) 28Kg(4pcs/CTN)

## Connection of power/wire/signal

The exclusive plug should be used between the connection of light and power. Pls 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, pls cut off the power and reduce the parallel connection quantity of lights, The light power supply is AC100~AC240V/50~60Hz

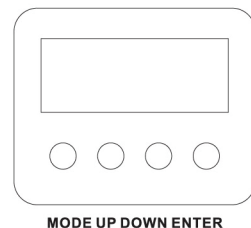
Make sure installation position is steady before fix the light. Professional clamp should be used when the light is reverse hanging, and drive the clamp into the screw hole which in the bracket of the light. Make sure the light will not fall from the truss, use the safety cable go through the truss and 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's prohibited to move the light by handle the clamp, please move the light by handle.**

## Panel specifications

### A.Button specifications

- 1.Button MODE, change the operate mode
- 2.Button UP, change the operate mode of submenu or add the value
- 3.Button DOWN, change the operate mode of submenu 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:001512), save automatically after set.

### C.WORK [MODE]SETTING

The light include 5 kinds of work mode, 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 .

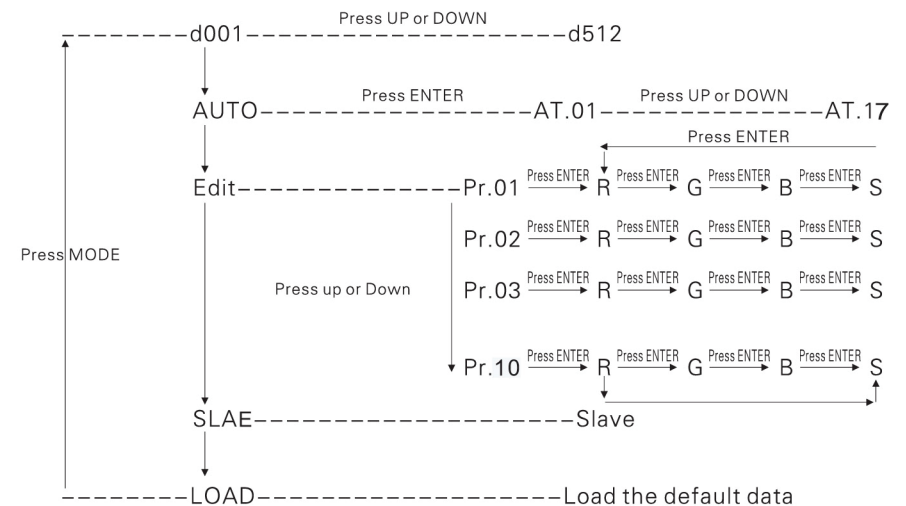
## Operation

- 1.Display d.XXX(XXX is 001~512 ADD code), DMX mode, can receive standard DMX signal, press button UP or DOWN will change the ADD code, and save automatically after set.
- 2.Display Auto, master under AUTO mode, it's available to enter into Auto mode selection by press button ENTER, at this moment, display AT.XX, XX is code 01~17, means 17kinds of dynamic and static mode, it's available to recycle chose one of the mode by press button UP or DOWN

- Display Edit, under master editing mode, it's available to enter into Edit mode selection by press button ENTER, at this moment, display Pr.0X, X is code 1~10, means internal10kinds of selectable mode; it's available to recycle chose one of the mode by press button UP or DOWN, Press button ENTER under any mode, it's available to recycle change the brightness of RGB LED and speed of S,0~255 adds the brightness or increase the speed, under PR.01, "SXXX" is Invalid

- 3.Display Slav, slave mode, receive the synchronous data from master .
- 4.Display Load, press button ENTER to load the default data

## Button specifications:



## Faulty Disposal

Familiar Faulty	Disposal
No display when power is ON	1.Check if the power is correctly connected? 2.Check if the power cable is correctly connected?
Light is out of control	1.Check if DMX address is correctly set? 2.Check the connection of wires.
The light is off after working for a while1	The temperature of working environment is too high and caused overheat protection.
The beam is dark obviously	1.Check if the temperature of environment and light body is too high, and cause a fast fade. 2.Check if there is too much dust on the surface of glass

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