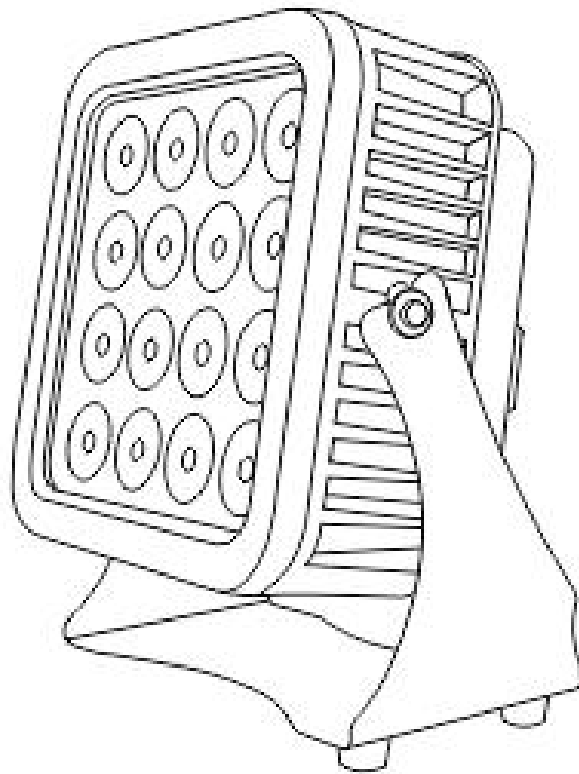# User's Manual Of 16x15W Outdoor Par

Thank you for using our products, 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.

Note:

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

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.

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

II. Technology Parameter

- Power Supply: AC 100-240V/50-60Hz

- Power consumption: 250W

- LED Unites:16pcs×4in1 (RGBW)

- Beam Angel: 25°

- DMX channels: 8/4Chs

- Control Mode: AUTO, Master/Slave, DMX512, Sound Active, RDM function

- Power data :electronic powerCON in(SAC3MPX) +powerCON out(SAC3FPX)

- DMX data :3 pin electronic J3F2C-W +3 pin electronic K3F2C-W.

- Working Environment: Indoor, -20℃-40℃

- IP Grade: IP65

- N/W: 3.5KG

III. Features:

Build in temperature protection function, The power consumption is automatical controlled by temperature, when the temperature is higher than 65℃, the power consumption will be down, when the temperature is lower than 50℃, the power consumption will increase slowly

Build in RDM function, we can control the unite by RDM controller, read unite information or adjust address code etc.

IV. 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, 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 handle the clamp, please move the light by handle

V. Operation form

No.	Menu	Data	Description
1	A001	001- 512	DMX mode, 8 channels
2	d001	001- 512	DMX mode, 4 channels
3	r255	000 - 255	Dimming red
4	G255	000 - 255	Dimming green
5	b255	000 - 255	Dimming blue
6	u255	000 - 255	Dimming white
7	F255	000 -005	No function
		006-255	Strobe from slow to fast
8	CC15	00 - 15	Jump mode
9	DE15	00 - 15	Fade mode
10	CP15	00 - 15	Pulse mode
11	Soud	/	Sound mode (Cancel Sound mode)

VI.   DMX Channel Form

4 Channel model

CH	VALUE	FUNCTION
CH1	0-255	Red dimmer 0-100%
CH2	0-255	Green dimmer 0-100%
CH3	0-255	Blue dimmer 0-100%
CH4	0-255	White dimming 0-100%

◆   8 channel model

CH	VALUE	FUNCTION	DISCRIPTION
CH1	0-255	Dimmer	Master dimmer
CH2	0-255	Static color	Red dimmer 0-100%
CH3	0-255		Green dimmer 0-100%
CH4	0-255		Blue dimmer 0-100%
CH5	0-255		White dimming 0-100%
CH6	0-3	No function	
CH6	4-255	Strobe	Strobe from slow to fast
CH7	0-50	No function	
	51-100	Static color	Controlled by CH8 **(STATIC COLOR FORM)**
	101-150	Jump mode	Macro mode
	151-200	Fade mode	
	201-250	Puls mode	
	251-255	Sound mode	Cancel this function
CH8	0-255	Speed	Adjust speed of macro mode

STATIC COLOR FORM

	0-31	Red	
	32-63	Green	Static color
	64-95	Blue	
	96-127	White	
	128-159	Red+Green	
	160-191	Red+Blue	

193-223	Green+Blue	
224-255	Full on	

VII. 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:
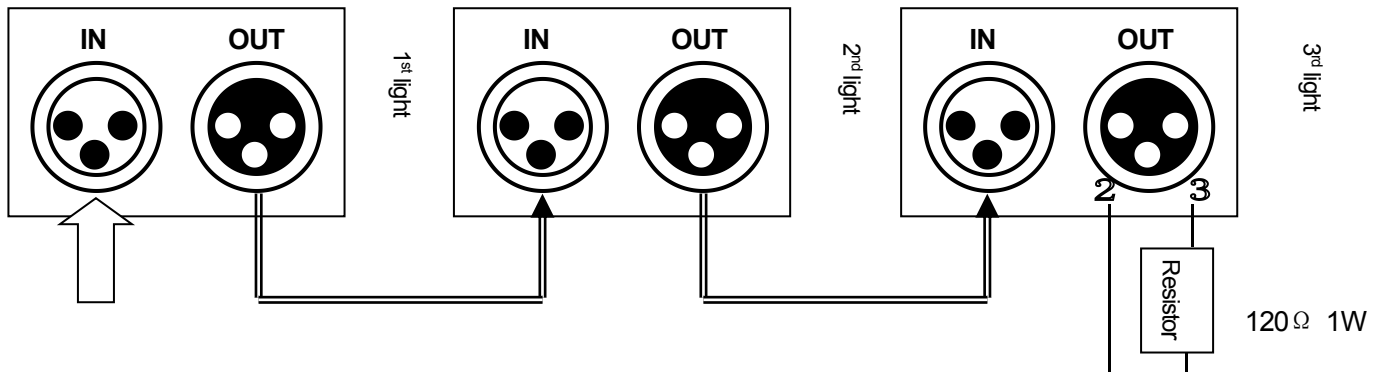
VIII. Faulty Disposal

Familiar Faulty	Disposal
No display when power is on	1. Check if the power is correctly connected
	2. Check the power supplier`s output is DC28V
Light is out of control	1. Check if DMX address code is correctly set
	2. Check if the DMX cable is correctly connected
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.