
IP Battery 4pcs LED Lighting Mast

User Manual



This manual contains important information.
Please read before operating fixture.

1. SECURITY TIPS

WARNING!!! To reduce the risk of fire, electric shock, or injury to persons, follow these important safety instructions:

- non-professionals, not to disassemble the light arbitrarily and lighting accessories inside.
- rated voltage range: AC110V-120V/60Hz or AC200V-240V / 50HZ (to be selected).
- not beam irradiate the flammable materials, flammable materials and the lamp should be maintained at least 1M over the distance.
- lamps used in ambient temperature: -15 °C -40 °C , the highest temperature of the surface of the lamp: 60 °C.
- to keep away from the liquid substance and humid environment.
- before using the lights must ensure the good grounding, can not install charging and remove any parts.
- the installation of lamps, must be fixed screw fasteners with additional security cable and regular inspection.
- lamps consecutive working hours is not recommended more than 10 hours.
- should stop using the lights in time when happens unusual conditions during the process
- lamp parts of the rotation, external accessories and paste parts should be regular inspected, such as the emergence of loose and rock, should be reinforced in a timely manner to prevent the accident.
- lamps adopt strong winds to refrigerate, it is easy to accumulate the dust, so you have to clean it weekly especially the cooling air opening, otherwise the dust will plug leading to poor light

2 TECHNOLOGY REFERENCE

Input Voltage(Charger): AC 100-240V/ 50-60Hz, DC 28V 3A

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

Power consumption: 40W

Light source: 4×15w RGBW 4in1 LED

Dimmer: 0-100% dimmer

Strobe rate:0-24Hz

Working Environment: -20°C-40°C

IP rate: IP65,indoor

Zoom Range: 6° - 45°

DMX Channels: 4/8/32/41 CH

Control Mode: DMX512, Master-slave, Auto, Wireless, Remote

Display: LED display

Power Connection: DC 28V 3A charging port in

Battery:

Battery Type: Lithium ion

Battery Power: 230.88Wh; 22.2V, 10.4Ah

Battery Charge Time: About 6 hours (full power)

Battery Life:

High power mode: About 5.5 hours (all on), 15hours (single color);

Medium mode: About 6.5hours (all on), 18 hours (single color);

Low power mode: About 9.5 hours (all on), 21hours (single color)

Product size:

Length: 780mm

Width: 780mm

Height: 2000-2500mm

Net weight: 14.25kg

Production function:

- DMX512 console control, which can be controlled online through 2.4G wireless mode.
- The master and slave can be controlled online through 2.4G wireless mode.
- Mobile WiFi operation control, support Android Android 2.3 and above, Apple iOS 4.3 and above (this function is applicable to WiFi motherboards).
- Static color selection (6 colors, dimming value 0-255) + strobe function (speed adjustable 0-20).
- Automatic color jump function (speed adjustable 1-20)
- Strobe with red background, strobe with green background, strobe with blue background, strobe with amber background (speed adjustable 0-20), strobe with UV background (speed adjustable 0-20)
- 2.4G wireless electronic switch, you can turn on or off the 2.4G wireless power through the menu. You can know whether to turn on or off the wireless module through the icon in the upper left corner of the interface. The wireless transceiver frequency can be selected through the menu
- White balance setting, adjust the brightness of the 6 colors appropriately (also has the function of fine-tuning the current), the value is (127-255)
- The battery icon in the upper right corner of the interface can be turned on or off by setting. For products without battery, it can be set to off
- Screen saver settings: can be set to normally open or automatically turn off the display backlight after 5 seconds, 10 seconds, 15 seconds
- Infrared remote control function setting: can be turned on or off through the menu setting

3 Board Instruction

1. Key instruction :

Button	Meaning
M	Menu/back
E	Enter/confirm
▲	up
▼	down

Operation Description: Press the function key “M” will cycle out Ten different functional effects, the first two digits of the digital tube represents the current function (refer to the function table). The last two digits represent the address of the function, the address code, or the speed, the parameters. Press “▲” or “▼” to change its parameter value. Press the “E” key to confirm

LED display window function table, (all the features selected by pressing the “E” key to confirm)

2. LED Display Operation :

Operate Menu

Menu	Item1	Item2	Item3
Set address	001-512		
Mode	DMX mode	4CH	
		10CH	

		32CH	
		39CH	
	Slave mode		
	Auto mode	Auto	01-15
		Speed	01-10
	Manual mode	Dimmer	000-255
		Red	000-255
		Green	000-255
		Blue	000-255
		White	000-255
		Strobe	00-20
	Color mode	Color	01-51
		Strobe	00-20
Setting	Set Display	Reverse Display	Normal/Inverted
		Screen Timeout Off	On/Off/30s/60s/90s
		Key Lock	On/Off
	Set IR Control	On/Off	
	No dmx state	DMX Hold	
		Black Out	
	Wireless	Off	
		CH1	
		CH2	
		CH3	
		CH4	
		CH5	
		CH6	
		CH7	
	LED PWM	1kHz	
		2kHz	
		4kHz	

		8kHz	
		12kHz	
		16kHz	
	LED Power	High power	
		Normal power	
		Low power	
	Dimmer Curve	Linear	
		Exponetial	
		Logarithmic	
		S-curve	
	Dimmer Response	LED	
		Halogen	
		Stage	
		Theatra	
	White Balance	Red	000-255
		Green	000-255
		Blue	000-255
		White	000-255
Systeminfo	Firmware	Hardware version	V1.01
		Software version	V1.02
	RDM UID	6367:442E3020	
	Time Information	Usage Time	0:00:00
		Total Time	0:00

3.1 Control Interface

- 1. 3 inch OLed display: display menu functions and parameters;
- 2.Button definition

MENU	Main menu function selection/exit submenu
ENTER	Recognize the selected function / enter the next menu
▲ UP	Select the previous menu/parameter increment
▼ DOWN	Select the next menu/parameter decreasing

4 DMX CHANNEL SHEET

4CH mode

Channel	Value	Function
1	000-255	Red
2	000-255	Green
3	000-255	Blue
4	000-255	White

10CH mode

Channel	Value	Function
1	000-255	Master Dimmer
2	000-255	Programme 1-15
3	000-255	Speed
4	000-255	Color 1-51
5	000-255	Red
6	000-255	Green
7	000-255	Blue
8	000-255	White
9	000-255	Strobe speed

10	000-255	Pulsation from slow to fast
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32CH mode

Channel	Value	Function
1	000-255	Red1
2	000-255	Red1 fine
3	000-255	Green
4	000-255	Green1 fine
5	000-255	Blue
6	000-255	Blue1 fine
7	000-255	White1
8	000-255	White1 fine
9	000-255	Red2
10	000-255	Red2 fine
11	000-255	Green
12	000-255	Green2 fine
13	000-255	Blue
14	000-255	Blue2 fine
15	000-255	White2
16	000-255	White2 fine
17	000-255	Red3
18	000-255	Red3 fine
19	000-255	Green
20	000-255	Green3 fine
21	000-255	Blue
22	000-255	Blue3 fine
23	000-255	White3
24	000-255	White3 fine
25	000-255	Red4
26	000-255	Red4 fine

27	000-255	Green
28	000-255	Green4 fine
29	000-255	Blue
30	000-255	Blue4 fine
31	000-255	White4
32	000-255	White4 fine

39CH mode

Channel	Value	Function
1	000-255	Master Dimmer
2	000-255	Master Dimmer fine
3	000-255	Programme 1-15
4	000-255	Speed
5	000-255	Colour1-51
6	000-255	Red1
7	000-255	Red1 fine
8	000-255	Green
9	000-255	Green1 fine
10	000-255	Blue
11	000-255	Blue1 fine
12	000-255	White1
13	000-255	White1 fine
14	000-255	Red2
15	000-255	Red2 fine
16	000-255	Green
17	000-255	Green2 fine
18	000-255	Blue
19	000-255	Blue2 fine
20	000-255	White2

21	000-255	White2 fine
22	000-255	Red3
23	000-255	Red3 fine
24	000-255	Green
25	000-255	Green3 fine
26	000-255	Blue
27	000-255	Blue3 fine
28	000-255	White3
29	000-255	White3 fine
30	000-255	Red4
31	000-255	Red4 fine
32	000-255	Green
33	000-255	Green4 fine
34	000-255	Blue
35	000-255	Blue4 fine
36	000-255	White4
37	000-255	White4 fine
38	000-255	Strobe speed
39	000-255	Pulsation from slow to fast

5 FIXED EQUIPMENT

Please fasten the fixture clamp before hanging. The clamp can be fasten by the little hole in the middle of the bracket, then tie with a safety belt. The loading capacity of the safety belt should be 10 times than the weight of the fixture itself.

6 CONNECTION OF DMX-512 AND CONNETION WITH THE LIGHT EQUIPMENT

Please connect XLR-XLR control wire with every light from the output

of DMX.

XLR connection :

DMX-OUTPUT



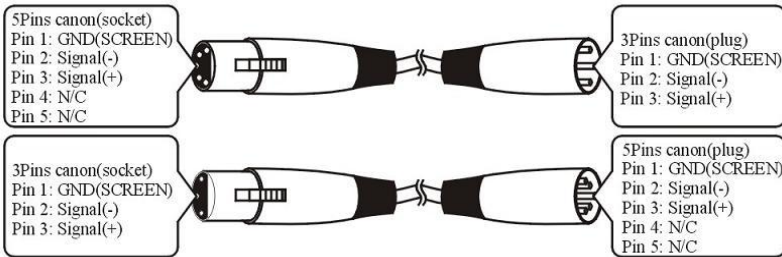
Pin 1: Screen
Pin 2: Signal -
Pin 3: Signal +

DMX-INTPUT



Pin 1: Screen
Pin 2: Signal -
Pin 3: Signal +

ATTENTION: Please do remember to connect one circle circuit plug on the output signal of last equipment. And this circle circuit plug was connected a 120ohm resistance between terminals 2 and 3 of the CANON plug, connect this circle circuit plug can avoid the signal flash phenomena of signal DMX512 during the transmission.



7 Maintenance

Problems	Check list	Trouble Shooting
The fixture do not work	1. If your power as same as the input of the machine. 2. If the fuse was broken.	1. Make sure the voltage. 2. Replace the same fuse.
LED dimmed	If your power us same as the input of the machine	Make sure the voltage input.
No DMX input	1. If the polarity is opposited in the DMX controller. 2. If it is in DMX mode.	1. Correct the DMX polarity. 2. Change to the DMX mode.

	3. If there are 2 Master in a loop.	3. Set one piece into Slave mode.
Par Light Set works abnormality	1. Check if the serial is correct on the Par Light display	1. Set the right serial No on the single Par Light

8 AFTER SERVICE

1. Our company offer technical consultation to customers for ever.
2. If the machine is wrong and need repairmen, please truthfully fill in the related content and feedback us the problems timely, as well as we have to improve the product.
3. In addition to the lamp, also matching accessories are as follows:
accessories: Power line 1 piece **Optional parts:** (customers)



Warranty Card

Name	Model
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Production	Purchase
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End User
Company Name:
Add:

Sale Store	
Link man:	
Tel:	Stamp

Description: These must be truthfully fill, seal by the end-user and point-of-sale, or else the warranty will not work (warranty period and terms, see the following)

warranty period: one year since purchase warranty terms: 1、 If fail when using the product in normal state, you can made under the provisions of the warranty, show the warranty card and purchase bills(copy), and enjoy free maintenance service in a specific service center or the manufacturer.

2. The following will be the implementation of paid service:

- (1)Without the effective warranty card
- (2)There's blank, alter and no point-of-sale name
- (3)Fail caused by unresistance
- (4)Fail caused by transportation or unloading
- (5)Fail caused by not operate by manual
- (6)Fail caused by disassemble without unauthorized
- (7)Fail caused by using the unauthorized control system

Note:

Based on our company continue to improve the product, the statement containing data may have changed, and will not notice the change any more. Company retains its right to change specifications related when product is improved. Thanks for your understanding.