

# CE 12x30w Led Moving Bar RGBW 4 in 1



CE  $\nabla$   $\oplus$  IP20 LED  $\left( \text{---} 0.2\text{m} \right)$   $t_a 40^\circ\text{C}$   $t_c 150^\circ\text{C}$

Please read the instructions carefully before using the product and keep for future reference

# 1. UNPACK

Thank you for choosing to use our 12X30w Led Moving Bar RGBW 4 in 1 light.

In order to use this product correctly and safely, please read the instructions carefully before installing and using this product. This manual contains important installation and application information. Please strictly follow the instructions in the manual when installing and operating the product. In the meantime, please keep this manual for future reference

This fixture body material is engineering plastic case and high hardness metal. Following the standard requirement of CE and RoHS, and equipped with protocol requirement of DMX 512, it is fast moving and low in sound, best application for any concerts, Studio, shows and night club.

Please unpack the produce with care. Check if the product is damaged during transportation after the package is removed, and check if the following items are complete.

Light-----1 PC

Clamp-----2 PC

Power Cable-----1 PC

Signal cable----1 PC

User Manual----1 PC

Safety Hinge----1 PC

## 2.Safety Instructions

**注意!**

操作本产品前请务必谨慎。本产品为高压产品，如果接触电线可能受到电击！

This product is a good product before leaving the factory. In order to maintain the integrity of this product and to ensure safe operation, users should follow the safety precautions and the warnings in this manual.



**IMPORTANT:** Damage due to failure to follow this instruction is not covered by the warranty. The supplier is not responsible for the product problems caused by this.

If the product has been exposed to extreme unstable temperatures (such as after shipping), do not connect the product immediately, as water droplets due to temperature changes may damage the product. Please use the product after it has returned to normal temperature.

Applicable to indoor AC110-240V, 50-60Hz power supply environment, the lamps should be located in a dry and ventilated place to prevent moisture, rain and intrusion, resulting in short circuit. . Please ensure that the ground voltage is not higher than the product can withstand! ! The power plug must be plugged into a protective Class I outlet. Green or teal conductors must be grounded.

Please check this product level power cord frequently. Make sure the power cord is not folded or damaged and not connected to other wires! Special care must be taken when connecting the power cord or related wiring. Always unplug the power when not using the product or before cleaning.

Before using the product, familiarize yourself with the operating features of the product. Please do not let children or non-professionals touch the product. Please do not shake this product. Do not use brute force when installing or operating the product. Do not let non-professionals operate the product. Most of the damage is caused by unprofessional operations.

The product is not equipped with the relevant repair parts. Product maintenance and repair can only be carried out by professionals!

Please do not modify this product without authorization, otherwise the product may be damaged, so the damage caused is not covered by the warranty. Moreover, unprofessional operation can cause short circuits, burns or electric shocks, and so on.

### 3. Operation Instructions

- This product is a moving light for LED light source, used to create beautiful performances.
- If the product is subjected to a large temperature difference (for example, after shipping), do not start the product immediately, as the heat account shrinks and damages the product. Please wait until the device reaches normal room temperature before starting the product.
- Pay attention to shockproof. Avoid strong collisions during product installation.
- Please do not lift the entire product through the lamp cap, as the mechanical properties of the device may be damaged.
- When selecting an installation location, make sure that the product is not exposed to excessive heat, humidity, or dust. Please do not put any wires on the ground, otherwise you may be exposed to electric shock.
- Before installing the product, please make sure the installation point is safe.
- Please fasten the product to the safety rope and check that all screws are correct during installation.
- Make sure the lens is in good condition. When the lens is damaged or scratched, replace the lens.
- It is recommended that the product be operated by a technician who is familiar with the product. Non-technical personnel are prohibited from operating this equipment because many of the losses are the result of non-professional operations.
- Please keep the packaging materials in a safe place for secondary transportation.
- Do not modify the product without the guidance of the manufacturer or distributor.
- Any equipment malfunction caused by failure to use this equipment in accordance with the instructions is not covered by the warranty. Any resulting damage caused by short circuit, injury, electric shock, ultraviolet light, or explosion of the lamp is not covered by the warranty.
- Do not continuously turn on or off the lamp bead during use. Wait at least 20 minutes before starting the lamp again, otherwise it will affect the life of the lamp bead.

## 4. Product hanging and installation

Caution: For safety, please install this product away from the aisle, seating area, or accessible area.

Before hanging this product, please make sure that the installation point can withstand 10 times the weight of this product.

The product must be installed with a double protection device, such as a safety hinge.

When hanging, removing or repairing this product, it is forbidden to stand under the installation point.

Please ensure that this product is installed at least 0.5 m from flammable materials.

Please remember to use the safety rope as a safety guarantee to prevent accidents when the lock is released quickly.

Lifting points: The top hanging requires the installer to be experienced, including calculating the load-bearing requirements, the mounting materials used, and periodically checking the installation materials and the safety status of the product. If you lack this knowledge, please do not try to install it yourself.

Failure to do so may result in serious consequences such as personal injury.

Before powering up the product, be sure to complete all required lifting and installation procedures.

## 5. Technical Parameter

Voltage: AC110-240V 50 / 60Hz

Power consumption: 450W

LED : RGBW 4 in 1 30W

Beam angle: 3 degree

Lifespan : 50000 Hours

Led: Pixel controlled

Strobe: 20 /sec

Dimmer: 0-100% linear dimmer

DMX mode:13/53 CH

Controlled mode: DMX-512

Auto mode/ Sound controlled mode.

Cooling system: Fan cooling

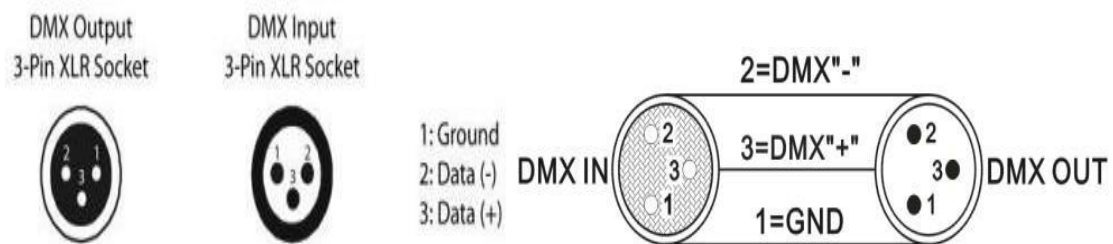
Net Weight: 7.9kgs

Size: 93 \* 17.5 \* 8.7cm

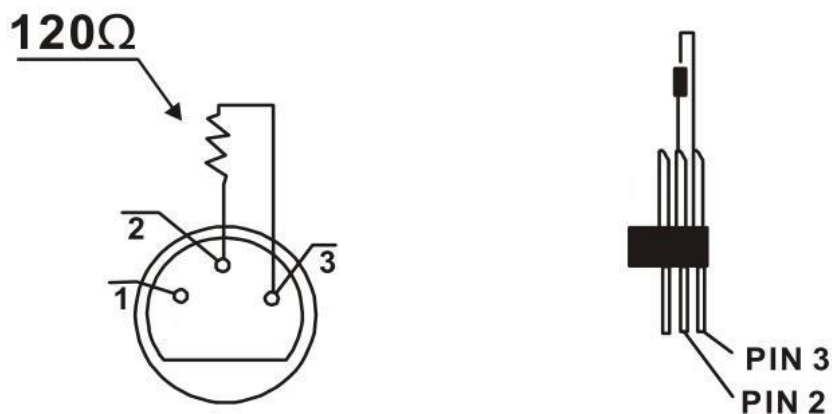
## 6. DMX-512 Signal Connection

Connect the supplied XLR cable to the female 3-pin of the controller. The other side of the XLR output is the male 3-pin XLR input of the moving head. (The 5-pin connection is similar) You can link multiple moving heads together via a serial link. The required cable should be a two-core shielded cable connector with XLR inputs and outputs. Please refer to the figure below.

DMX-512 connection with DMX termination



For installations where the DMX cable must be operated over long distances or electrically operated in a noisy environment, such as in a disco, DMX termination is recommended. This helps prevent electrical damage to the digital control signal noise. The DMX terminator is only connected between the XLR plug pins 2 and 3 of the 120 $\Omega$  resistor and then inserted into the output of the last fixture. The XLR socket is in the chain. Please see the illustration below.



## 7.DMX Channel

### 13 CH Mode

CH	Function	DMX Value	Function
1	Y	0-255	0~270 degree
2	Y Finetune	0-255	Y Finetune
3	Y Speed	0-255	Speed from Fast to slow
4	Dimmer	0-255	0-100% linear dimmer
5	Strobe	0 — 3	off
		4 -255	Strobe
6	R	0-255	Red Dimmer from dark to bright
7	G	0-255	Green Dimmer from dark to bright
8	B	0-255	Blue Dimmer from dark to bright
9	W	0-255	White Dimmer from dark to bright
10	Effect 1	0—7	Fault
		8—15	Effect 1
		16—23	Effect 2
		24—31	Effect 3
		32—39	Effect 4
		40—47	Effect 5
		48—55	Effect 6
		56—63	Effect 7
		64—71	Effect 8
		72—79	Effect 9
		80—87	Effect 10
		88—95	Effect 11
		96—103	Effect 12
		104—111	Effect 13
		112—119	Effect 14
		120—127	Effect 15
		128—	Effect 16



		135	
		136— 143	Effect 17
		144— 151	Effect 18
		152— 159	Effect 19
		160— 167	Effect 20
		168— 175	Effect 21
		176— 183	Effect 22
		184— 191	Effect 23

		192—255	Effect 24
11	Effect 2	0—7	No function
		8—15	Effect 1
		16—23	Effect 2
		24—31	Effect 3
		32—39	Effect 4
		40—47	Effect 5
		48—55	Effect 6
		56—63	Effect 7
		64—71	Effect 8
		72—79	Effect 9
		80—87	Effect 10
		88—95	Effect 11
		96—103	Effect 12
		104—111	Effect 13
		112—119	Effect 14
		120—127	Effect 15
		128—135	Effect 16
		136—143	Effect 17
		144—151	Effect 18
		152—159	Effect 19
		160—167	Effect 20
		168—175	Effect 21
		176—183	Effect 22
		184—191	Effect 23
		192—199	Effect 24
		200—207	Fault
		208—215	Effect 25
		216—223	Effect 26
		224—231	Effect 27
		232—239	Effect 28
		240—247	Effect 29
		248—255	Effect 30
12	Effect Speed	0-63	Static
		64-158	Forward running speed from fast to slow
		159-255	Reverse running speed from slow to fast
13	Reset	0-250	Fault
		251-255	Reset and 3s is valid.

## 53 CH Mode

CH	Function	DMX Value	Function
1	Y	0-255	0~270 degree
2	Y Finetune	0-255	0--1.0°
3	Y Speed	0-255	Speed from fast to slow
4	Strobe	0 — 3	off
		4 -255	Strobe
5	LED1-R	0-255	LED1 Red dimmer from dark to bright
6	LED1-G	0-255	LED1Green dimmer from dark to bright
7	LED1-B	0-255	LED1 Blue dimmer from dark to bright
8	LED1-W	0-255	LED1 White dimmer from dark to bright
9	LED2-R	0-255	LED2 Red dimmer from dark to bright
10	LED2-G	0-255	LED2Green dimmer from dark to bright
11	LED2-B	0-255	LED2 Blue dimmer from dark to bright
12	LED2-W	0-255	LED2 White dimmer from dark to bright
13	LED3-R	0-255	LED3 Red dimmer from dark to bright
14	LED3-G	0-255	LED3Green dimmer from dark to bright
15	LED3-B	0-255	LED3 Blue dimmer from dark to bright
16	LED3-W	0-255	LED3 White dimmer from

			dark to bright
17	LED4-R	0-255	LED4 Red dimmer from dark to bright
18	LED4-G	0-255	LED4Green dimmer from dark to bright
19	LED4-B	0-255	LED4 Blue dimmer from dark to bright
20	LED4-W	0-255	LED4 White dimmer from dark to bright
21	LED5-R	0-255	LED5 Red dimmer from dark to bright
22	LED5-G	0-255	LED5Green dimmer from dark to bright
23	LED5-B	0-255	LED5 Blue dimmer from dark to bright
24	LED5-W	0-255	LED5 White dimmer from dark to bright
25	LED6-R	0-255	LED6 Red dimmer from dark to bright
26	LED6-G	0-255	LED6Green dimmer from dark to bright
27	LED6-B	0-255	LED6 Blue dimmer from dark to bright

28	LED6-W	0-255	LED6 White dimmer from dark to bright
29	LED7-R	0-255	LED7 Red dimmer from dark to bright
30	LED7-G	0-255	LED7Green dimmer from dark to bright
31	LED7-B	0-255	LED7 Blue dimmer from dark to bright
32	LED7-W	0-255	LED7 White dimmer from dark to bright
33	LED8-R	0-255	LED8 Red dimmer from dark to bright
34	LED8-G	0-255	LED8Green dimmer from dark to bright
35	LED8-B	0-255	LED8 Blue dimmer from dark to bright
36	LED8-W	0-255	LED8 White dimmer from dark to bright
37	LED9-R	0-255	LED9 Red dimmer from dark to bright
38	LED9-G	0-255	LED9Green dimmer from dark to bright
39	LED9-B	0-255	LED9 Blue dimmer from dark to bright
40	LED9-W	0-255	LED9 White dimmer from dark to bright
41	LED10-R	0-255	LED10 Red dimmer from dark to bright
42	LED10-G	0-255	LED10Green dimmer from dark to bright
43	LED10-B	0-255	LED10 Blue dimmer from dark to bright
44	LED10-W	0-255	LED10 White dimmer from

			dark to bright
45	LED11-R	0-255	LED11 Red dimmer from dark to bright
46	LED11-G	0-255	LED11Green dimmer from dark to bright
47	LED11-B	0-255	LED11 Blue dimmer from dark to bright
48	LED11-W	0-255	LED11 White dimmer from dark to bright
49	LED12-R	0-255	LED12 Red dimmer from dark to bright
50	LED12-G	0-255	LED12Green dimmer from dark to bright
51	LED12-B	0-255	LED12 Blue dimmer from dark to bright
52	LED12-W	0-255	LED12 White dimmer from dark to bright
53	Reset	0-250	Fault
		251-255	Reset and 3s is valid

.10.

## 7. Display Menu

Series	Menu	Function
1	DMX address	001-512
2	Setting	Controlled mode (DMX, sound, auto) CH mode: 12CH/53CH Address code : 000-255 When there is no signal: Clear/Keep screen saver: On/Off  Language: 中文/EN  System Settings: Restore Factory Settings
3	Manual mode	Manual control channel mode
4	Calibration	password
5	Test	none
6	System info	LED Moving Head Motor board Display board

## 9. Failure and repair

Failure	Solution
Lamp does not light, the lamp does not work	<ul style="list-style-type: none"><li>* Check the power cord, if the fuse is damaged, if damage, please replace the relevant accessories; if there is still a problem after the replacement, find the song lighting or professional maintenance</li><li>* Check if the voltage is normal</li></ul>
Low brightness of the lamp	<ul style="list-style-type: none"><li>* Check if the mirror and lens are dusty or damaged.</li></ul>
Not controlled by DMX signals	<ul style="list-style-type: none"><li>*Check the connected signal cable for poor contact or damage</li><li>*Check if the DMX address is set correctly</li><li>*Check if it is disturbed by surrounding high voltage wires</li></ul>
Scanning action is out of step	<ul style="list-style-type: none"><li>* Check if each stepper motor can rotate freely. If there are other problems, you should find a song.</li></ul> <p>Lighting or professional repair</p>
No voice control in voice mode	<ul style="list-style-type: none"><li>*Enlarge the sound of the sound or tap the MIC microphone with your finger. If you still have no voice control, you should look for it.</li></ul> <p>Aolait lighting for professional repair</p>

## 10. Product care and cleaning

Please pay attention to the following points when testing this product:

1. All screws and components of the installed product must be tightly connected and should not rust.
2. The outer casing, lens, fixing parts and installation location (suspension, truss, etc.) cannot be deformed
3. Mechanical moving parts must not be worn and cannot rotate unbalancedly.
4. The power cord must not have any damage, and the appearance of the material is damaged.

The installation and use of the product must be carried out by trained professional technicians, and it must be ensured that safety risks are eliminated.



注意：请在做产品保养前把电源线拔掉！！

In order to maintain the good condition of the product and prolong its service life, we recommend routine cleaning of the product.

1. Clean the outer lens and inner lens of the product every week to prevent the light output of the product from weakening due to dust accumulation.
2. Clean the fan every week.
3. Every three months, a professional electrical engineer performs detailed circuit inspection on the product to ensure that the circuit contacts are good to prevent the electrical point from aging due to overheating.

We recommend that the product be cleaned regularly, please be careful not to use damp or linen, and never use alcohol or solvents for cleaning.

This product is not equipped with replacement parts, please refer to the "Installation Instructions" section. If the user needs any spare parts, please purchase from your local dealer. statement:

This product is delivered to the factory with good performance and complete packaging. All users should strictly abide by the safety warnings and operating instructions stated above. Any damage caused by misuse is not covered by the company's warranty. The faults and problems caused by neglecting the instruction manual are not within the scope of the company's responsibility.

Note: Based on our company's continuous product improvement, the data contained in this manual may change, and will not be notified at that time. The company has the power to improve the relevant specifications. We apologize for any inconvenience.