

LH-A002 200W Beam Moving Head

User Manual



LEAHUA 广州丽华舞台灯光音响有限公司
GZ LEAHUA LIGHT LIMITED

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

Add: A1 Building The Sixth Industrial Zone Zhu Gang Road Hongxing Shijing Town Baiyun
District Guangzhou China.

Tel: +86 020-66292177 Fax: +86 020-66292177

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

Voltage : AC 100~240V/50~60Hz

Power : 200W

Lamp : philips 200w 5R (DMX on/off)

Lumen output:150000LM/10meter

Color Temperature: 8000K

Lens : 3-layer optic glass lens

Prism : 8 Prism rotation

Beam angle parallel beam angel :0-3.8°

Fan : ADDA brand

Gobo : 17 gobos+white

double rotation rainbow effect

shake function

Colors 14 color+white,single rotation rainbow effect, two models changing(Full color and half color operating) With color offset adjustment function

With Hall location function

DMX Channel : 16CH

Control DMX512/WDMX mode 3in/5in XLR base

Master-slave mode

Sound activated mode

Stand-alone mode

Auto mode

Head movement:Pan 540°(16bit) Electric correction

Tilt 270° (16bit) Electric correction

with auto-correction function

speed adjustment

Focus :Double automatic focusing

Dimmer:Independent dimmer channel, 0-100% linear dimmer

Strobe:Independent strobe channel, 1-13times/s, speed adjustable

LAMP DMX ON/OFF: LAMP DMX ON/OFF, ignited by inverter, protect and lengthen the lifetime of the bulb

Other functions

Fixture and lamp usage time display

Highly Positioning precision

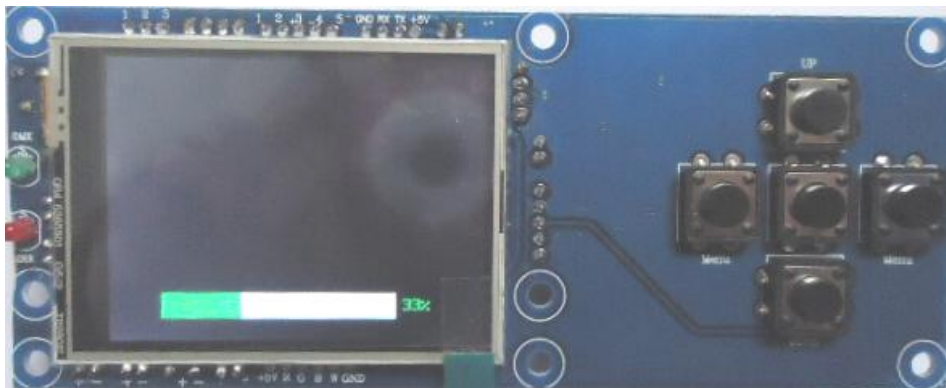
Adjustable fan speed

Built-in analyzer for easy fault finding, error messages

Input signal isolating protection

3 Board Instruction

Key description:



“LEFT”、“RIGHT”: Return to the previous interface

“UP”、“DOWN”: choose、edit

“OK”: executive function、start edit、exit edit

MENU: Enter the menu option

DOWN: After an option

UP: previous option

ENTER: Confirm the selected function

Set interface:

name	description	
mode	DMX	slave: receive dmx singal from master or controller
	auto	master: auto, send dmx single to slave

	Sound	Receive the sound and run the built-in application effect
DMX address	1-512	press “OK”to edit,choose the hundred's place;press “Up”,”Down”change the address code,press again the “OK”to choose the decade edit.press “OK”again choose units edit,once press to exit the edit.
channel	16	17 -20CH no function
	20	17 -20CH control the speed
X inversion	close	
	open	
Y inversion	close	
	open	
XYencoder	close	Don't use the encoder (light coupling) correct position
	open	Using encoder (light coupling) judging out-of-step and automatically correct position
No DMX singal	keep	According to the original state continues to run
	clear	The motor return, stop running
Protect screen	open	Close the backlit idle for 30 seconds
	close	Backlit keep open
Switch on light bubble	open	start the lamps, lamp light up automatically
	close	Start the lamps and lanterns, the bulb is not bright
Recover default setting	No	
	Yes	Press "ok" is to restore the default Settings

Information interface:

name	description
software version	The current software version
total time	Cumulative time (accurate to minutes)
The use of time	This boot since the use of time (down to minute)
Total light soaking time	Total light bubble time (accurate to minutes)
The light soaking time	The light of this boot since bubble time (down to minute)
DMX channel	In the condition of DMX, showing all channels of value (number), thus the child into the interface, display as a percentage value and channel value for viewing
System error record	If red ERR lights shine, then failed to reset or run out of step, can enter child interface for details. After the view can press "ok" the error record to empty

Manual control interface:

This interface is used to control the current lamps , neither belongs to the slave machine (not receiving DMX signal) also does not belong to the master machine (not send DMX signal)

name	description	
reset	press "ok" after see confirmation dialog, press the "ok" key once again, after carry into the interface, reset all motor	
	open	

light bulb control	close	
Color wheel	0-255	Press "ok" to enter edit state. At this point is selected, click on "next" button to change channels values, press the "ok" button once again and exit the editor.
.....	0-255	
Gobo wheel speed	0-255	

Advanced interface:

Enter the show advanced interface, please enter the password: XX XXXX. Specific operation process: press the up and down key to choose Numbers (a *) at a time. Password input after fully, finally press the "ok" key password authentication.

name	description	
The biggest bright time	0-9999	set up on time
encryption mode	close	
	times	set up the use of lamps
	time	install the use time of lamps
Encryption parameters (frequency/time)	0-9999	After the encryption mode to open the work. Can be set up the use of lamps (number/time)

Inverted Display Interface:

Click "ok" button, the interface inversion can be 180 degree show.

English interface:

Click "ok" button, the interface, switch to English mode.

Chinese interface:

Click "ok" button, the interface, switch to the Chinese model.

The factory interface:

Enter the factory interface, display, please enter the password: XXXXXX. Specific operation process: press the up and down key to choose Numbers (a *) at a time. Password input after fully, finally press the "OK" (OK) key password authentication.

name	description	
Reset the calibration (fine)	0-255	X calibration
	0-255	Y calibration
	0-255	Dimmer calibration
	0-255	Color wheel calibration
	0-255	Gobo wheel calibration
	0-255	focuscalibration
	0-255	Prism calibration
	0-255	Atomizing calibration
Channel setting	set up channel switch	
Screen saver mode	Mode 1	Display address code
	Mode 2	Display factory LOGO
	Mode 3	No display (keep)
Bright time reset	No	
	Yes	

4 DMX CHANNEL SHEET

CH	Channel	DMX value	Description
1	Pan	0-255	Pan movement range 540 °
2	Tilt	0-255	Tilt movement range 280 °
3	Pan/Tilt Speed Pan/Tilt Time	0-255	Quick → Slow
4	Shutter,Strode	0-255	
5	Dimmer	0-255	Dark → bright
6	Color Wheel	0-255	WHITE WHITE + RED RED RED + ORANGE ORANGE ORANGE+ QUAMARINE AQUAMARINE AQUAMARINE + GREEN GREEN GREEN+LIGHT GREEN LIGHT GREEN LIGHT REEN+LAVENDER LAVENDER LAVENDER+PINK PINK PINK+YELLOW YELLOW YELLOW+MAGENTA MAGENTA MAGENTA+CYAN CYAN

			CYAN+CTO 260 CTO 260 CTO260+CTO 190 CTO 190 CTO 190+CTB 8000 CTB8000 CTB8000+BLUE BLUE BLUE+WHITE SLOW ROTATION(0.2rpm)
7	Gobo	0-255	WHITE Gobo1 Gobo2 Gobo3 Gobo4 Gobo5 Gobo6 Gobo7 Gobo8 Gobo9 Gobo10 Gobo11 Gobo12 Gobo13 Gobo14 Gobo15 Gobo16 Gobo17 Gobo rotation, forward Stop Gobo rotation, backward Gobo2 Shake (slow to Quick) Gobo3 Shake(slow to quick) Gobo4 Shake(slow to quick)

			Gobo5 Shake(slow to quick) Gobo6 Shake(slow to quick) Gobo7 Shake(slow to quick) Gobo8 Shake(slow to quick) Gobo9 Shake(slow to quick) Gobo10Shake(slow to quick) Gobo11 Shake(slow to quick) Gobo12 Shake(slow to quick) Gobo13 Shake(slow to quick) Gobo14 Shake(slow to quick) Gobo15 Shake(slow to quick) Gobo16 Shake(slow to quick)
8	Focus	0-255	
9	Prism	0-255	
10	Prism rotation	0-255	
11	ZOOM	0-255	No Function
12	Frost		Soft atomizing effect
13	Pan fine	0-255	
14	Tilt fine	0-255	
15	Lamp	0-255	If the current is light lamp off100-105, such as the current is extinguished the light bulb200-205
16	RESET	0-255	Lamp reset240-255

5 DIFFICULTY RESOLUTION

The following is a list of problems and resolution, and other malfunction preparing work should be professionally qualified staff to deal with.

1. Bulb not working

- a) Check whether approaching the service life of light bulbs, then

change it

- b) Check whether bulbs circuitry leak, loss or connect poorly

2. Beam appears bleak

- a) The bulbs maybe approach the service life, then change it, or the optical components are unclean.
- b) Bulbs have accumulation of dust, so the bulbs and other parts inside the lamp should be cleaned and maintained in regular period.

3. Computer lamp work intermittently

- a) Check whether the fan process naturally and become dirty
- b) Check inner temperature-response control plug is off
- c) Check whether the circuitry is good

4. The computer lamp not controlled by controller during lighting

- a) Check numeral starting address and the connection of communication control circuit
- b) The corresponding channel button of controller is open or not
- c) Check whether the fuse on power supply input jack is broken off

6 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	Production	Purchase
End User		Sale Store	
Company Name:		Link man:	
Add:		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.