
LH-C006 100w LED Moving Head

User Manual



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

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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:	AC100~240V/50~60Hz
Lamp:	100~120W LED(America)
Total Power:	190W
Net Weight:	15Kg
Size(Max):	380 x 320 x 630mm
Packing Size:	490 x 450 x 700mm
Gross Weight:	17Kg
Fuse:	1.5A/250V
DMX Channel:	18/15 DMX512 channel
Step Motor:	11 PCS

3 Board Instruction

1. Version: brand, model, version, number, lamp use time
2. Address: Set DMX address
3. Pan reverse: On (reversed) Off (normal)
4. Tilt reverse: On (reversed) Off (normal)
5. Pan/Tilt speed: from 01-16, to set the speed for Pan/Tilt movement
6. Pan/Tilt mode: 8bit, 16bit, when set as 8bit, the channels Pan fine and Tilt fine will be disabled, the fixture has 15 channels now.
7. Lamp mode: On (lamp on); Off (lamp off)
8. Reset: lighting reset; time restore (can be set password afterwards to prevent unwanted modifying); Motor restore (can be set password afterwards to prevent unwanted modifying); exit.
9. Channel data: 01:Shutter; 02:Dimmer; 03:Lamp/reset; 04:Pan/tilt speed; 05:Pan; 06:Tilt; 07:Pan fine; 08:Tilt fine; 09:Color wheel; 10:gobo 1; 11:gobo 1 rotation; 12:gobo 2; 13:gobo 2 rotation; 14:Prism/macros; 15:Prism rotation; 16: Zoom; 17:Focus; 18:Focus

fine; 19:Exit.

When connected with a DMX controller, the channel value can not be changed, only show channel DMX value. While there is no DMX controller, you can control the fixture by this item, select some channel, roll the encoder wheel to adjust DMX value,

10. Display: language (English Chinese or some other language according to your requirement); Backlight time: open(always on), 30 seconds; Back-brightness: 1-4, from dark to bright; exit.
11. Motor adjust: 01:Pan; 02:Tilt; 03:Color; 04: gobo 1; 05:Gobo 1 rotation; 06: gobo 2; 07:Gobo 2 rotation; 08:Prism; 09:Prism rotation; 10: Zoom; 11:Focus; 12:Motor zero(can be set password afterwards to prevent unwanted modifying); 13:Save (can be set password afterwards to prevent unwanted modifying); 14: Exit.
12. Control: Control select (DMX, Auto, Music, Slave, these function have not been finished now, they would be finished afterward according to your suggestion); auto run program (select the program you want to run in certain mode); auto run speed (set running speed for program).
13. Help info: include copyright, company information, etc.
14. Exit

4 DMX CHANNEL SHEET

Channel		Function	DMX value	Feature	Note
16Bit	8 Bit				
1	1	Strobe	000-009	Full off	
			010-049	Full on	
			050-089	Strobe from slow to fast	
			090-129	Pulse effect opening, increasing	
			130-169	Pulse effect closing, increasing	
			170-209	Random strobe with decreasing speed	
			210-255	Full on	

2		Dimmer	000-255	Dimming from 0-100%	
3	3	Reset /Shutter off	000-009	No function	
			010-019	Shutter off when pan and tilt movement	
			020-029	Shutter off when changing color	
			030-039	Shutter off when changing gobo	
			040-049	No function	
			050-059	Shutter off when pan and tilt movement and color changing	
			060-069	Shutter off when pan and tilt movement and gobo changing	
			070-079	Shutter off when pan and tilt movement changing	
			080-089	Shutter off when changing color or gobo	
			090-099	Shutter off when pan and tilt movement and color and gobo changing	
			100-109	Shutter off when pan and tilt movement and gobo changing	
			110-119	Shutter off when pan and tilt movement and color and gobo changing	
			120-239	No function	
			240-249	Reset after 3s	
250-255	No function				
4	4	Pan/tilt speed	000-255	Pan/Tilt speed adjustment from fast to slow	
5	5	Pan	000-255	0-540° pan movement	
6	6	Tilt	000-255	0-280° tilt movement	
7		Pan fine	000-255	16 bit pan movement	
8		Tilt fine	000-255	16 bit tilt movement	
9	7	Color wheel	000-009	White	
			010-019	Color1	
			020-029	Color2	
			030-039	Color3	
			040-049	Color4	
			050-059	Color5	
			060-069	Color6	
			070-079	Color7	
			080-199	1*7color mixing	
			200-229	Color wheel CCW rotation from slow to fast, Rainbow effect	
			230-255	Color wheel CW rotation from slow to fast, Rainbow effect	
			000-009	White	
			010-019	Gobo1	
			020-029	Gobo2	

10	8	Gobo wheel 1	030-039	Gobo3	
			040-049	Gobo4	
			050-059	Gobo5	
			060-069	Gobo6	
			070-079	Gobo7	
			080-099	Gobo7 shaking from slow to fast	
			100-119	Gobo6 shaking from slow to fast	
			120-139	Gobo5 shaking from slow to fast	
			140-159	Gobo4 shaking from slow to fast	
			160-179	Gobo3 shaking from slow to fast	
			180-199	Gobo2 shaking from slow to fast	
			200-219	Gobo1 shaking from slow to fast	
			220-239	White shaking from slow to fast	
			240-255	Gobo wheel CCW flowing with Increasing speed	
11	9	Gobo wheel 2 rotation	000-169	Forwards gobo rotation with your pushing of fader	
			170-199	Gobo shaking, increasing in amplitude And speed	
			200-229	Backwards gobo rotation with decreasing speed	
			230-255	Forwards gobo rotation with decreasing speed	
			179-199	White shaking from slow to fast	
			200-229	Gobo wheel CCW flowing with Increasing speed	
			230-255	Gobo wheel CW flowing with Increasing speed	
12	10	Gobo wheel 2	000-009	White	
			010-019	Gobo1	
			020-029	Gobo2	
			030-039	Gobo3	
			040-049	Gobo4	
			050-059	Gobo5	
			060-069	Gobo6	
			070-089	Gobo6 shaking from slow to fast	
			090-109	Gobo5 shaking from slow to fast	
			110-129	Gobo4 shaking from slow to fast	
			130-149	Gobo3 shaking from slow to fast	
			150-169	Gobo2 shaking from slow to fast	
			170-189	Gobo1 shaking from slow to fast	
			190-209	White shaking from slow to fast	
210-229	Gobo wheel CCW flowing with Increasing speed				

			230-255	Gobo wheel CW flowing with Increasing speed	
13	11	Gobo wheel 2 rotation	000-169	Forwards gobo rotation with your pushing of fader	
			170-199	Gobo shaking, increasing in amplitude And speed	
			200-229	Backwards gobo rotation with decreasing speed	
			230-255	Forwards gobo rotation with decreasing speed	
			179-199	White shaking from slow to fast	
			200-229	Gobo wheel CCW flowing with Increasing speed	
			230-255	Gobo wheel CW flowing with Increasing speed	
14	12	Prism and gobo Macros effect	000-009	No function	
			010-079	Prism	
			080-255	Prism and gobo macros effect	
15	13	Prism rotation And amplitude adjustment	000-169	Prism rotation with your pushing of fader	
			170-199	Prism shaking, increasing in amplitude And speed	
			200-229	Backwards prism rotation with decreasing speed	
			230-255	Forwards prism rotation with decreasing speed	
16	14	Zoom	000-049	No function	
			050-255	Zoom	
17	15	Focus	000-255	Focus adjustment from far to near	
18		Focus Fine	000-255	Focus fine adjustment from far to near	

5 FIXED EQUIPMENT

This product can be operated suspended or as stand-alone system.

Should your lighting effect show any signs of damage, do not install the device! In this case, have your lighting effect repaired by your specialized dealer. The manufacturer does not accept responsibility or liability for damage to property or personal injury resulting from an improperly installation!

As a stand-alone system the device must be installed vertically on an

absolute planar, firm, fireproof, shock- and vibration-free surface. The installation of this lighting effect must be carried out by trained and professional staff! The installation of this lighting must only be carried out with the appropriate materials!

The suspended installation of this lighting effect necessitates a suitable suspension system! The lighting effect must never be fixed swinging freely in the room. No individuals should linger underneath the lighting effect during suspended installation!

It is a must to install this device with a second independent fixture. Such second fixture must guarantee in the event of failure of the main fixture that no assembly parts will fall down. Use the fixture on the undersurface only.

The light effect unit must be attached via two certified hooks and omega bracket to a tie-bar system. Use the screw threads on the undersurface only.

It must be ensured that an expert inspects the mechanical and safety-relevant installation prior to the initial operation and following major modifications, prior to the renewed operation. It must be ensured that an expert inspects the mechanical and safety-relevant installation at least once a year. It must be ensured that an expert inspects the mechanical installation and the installation of relevance to safety within the framework of an acceptance test at least every four years.

The installation fixture must be as such that it can withstand for a period of 60minutes 10 times the load capacity without harmful deformation.

It is prohibited for any individual to unnecessarily stay or pass beneath the installation during any type of assembly work.


The light effect unit must be secured by a safety arrester cable if fly-mounted. The cable must withstand 12 times the weigh of the light effect unit Use arrester cables equipped with quick closing links. The dropping distance must not exceed 20 cm. Defect arrester cables or arrester cables that have already been exposed to stress must not be

used.

6 MAIN MACHINE CONNECTION

Please checking the power equipment supported.

Please put the plug of power source wire connect with the main power source .

(EU)Wire	Wire(America)	Direction of wire	General marks
Brown	Black	Live	L
Light blue	White	Neutral	N
Yellow/Green	Green	Earth	



Warranty Card

Name	Model	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.