

LH-C083 300W LED BSW Moving Head

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: 110–240 V, 50/60 Hz

Power: 300W

Light source: 1pcs 300W LED White color

Working lifetime: About 50000 hours

Working temperature:-20°C-40°C

Channel: 16/22ch

Control mode: DMX 512, Auto, Master-slave, Sound

Power Socket: Powercon In

DMX socket: 3pin DMX In/Out

Movement:X 540degree, Y270degree

Housing color: Black

Housing material:ABS+Alloy

Display: LCD display

Net weight: 13.25KG

IP rating: IP20

Feature:

Beam, Wash, Spot 3in1, Zoom effect

Zoom range: 2~40°

Dimmer:0-100% dimmer

Prism: 3-facet prism

Color wheel: 9colors+white

Static gobo wheel; 8gobos+white

Rotate gobo wheel: 7gobos+white

Frost: one frost wheel

3 Board Instruction

Operate Menu

Level 1	Level 2	Level 3	Level 4	Option/Value range
DMX Addr				1 - 512
Channel				differ depending upon

Mode				the model
Reset Operating	Motor power off			N/Y
	Pan/Tilt			
	...			
Run				DMX/Test/Music/Prog ram
Lamp				Off/On (Curr-On/Off)
Manual Control	Pan			
	...			
	Auto return			10 sec/20 sec/never
Running Cnfg	Tilt Cnfg	Reverse		N/Y
		Origin		0 - 255
		End		0 - 255
	Pan Cnfg	Reverse		N/Y
		Origin		0 - 255
		End		0 - 255
	Dim Curves(for LED light only)			Straight/Square/Squa reRoot/S-Curve/log
	M/S Mode			Slave/Master
	Music Ctrl Cnfg	Ctrl Mode		Dim/Color/Gobo
		Other CHN		DMX/Auto/Manual
		Sensitivit y		0 - 10 - 20
	Mixed Scene	Scenes Num.		1 - 8

	Scene Edit	Scene Index		A - H
		Step Index		0 - 29
		Step Edit	Time	0 - 255
			Chn	1 - Max channels
			Value	0 - 255
		Copy		
		Paste		
		Record		
	Lamp Power			Eco/Std
	Black Out	Pan/Tilt		N/Y
		Color		N/Y
		Gobo		N/Y
	Time/Speed Mode	Pan/Tilt		Speed/Time
	Random Strobe Sync			N/Y
	Color linear			N/Y
Display Config	Sleep			30 sec/2 min/5 min/10 min/Keep on
	Brightness			1 - 10
	Reverse			N/Y
	Indicator			Auto/KeepOn
Advanced	Fine Adj			
	Factory Settings			
	DMX Lost	Action		Middle/Keep/Test/Music/Program
		Mode		On reboot/Any time
	Language			中文/Eng/Español
	Lamp Off			NoAct/Sleep

	Always show logo			N/Y
	Turn Off Bat			
	P/T Correction			N/Y
	Clear Lamp Time			
	Recover Setting			
	...			
Info	DMX Monitor	Chn		1 - Max channels
		Value		
	State Monitor	CPU1 TEMP °C		
		CPU2 TEMP °C		
		...		
	Lamp Servicetime	ThisTime (m)		
		Total(h)		
	Err State	EEPROM		Well/Err
		Sensor Err	Pan Raster	Well/Err
		
	P/T Reference Speed	Pan(.01s)		
		Tilt(.01s)		
	Time Left(h)	Input SN.		
		ID		
	...			

4 DMX CHANNEL SHEET

22CH	DMX Value	Function
1	0-255	Pan Movement
2	0-255	Pan Fine Movement
3	0-255	Tilt Movement
4	0-255	Tilt Fine Movement
5	0-255	Pan Tilt Movement speed control, from fast to slow, time from 0.1s to 25.5s
6	0-255	Dimmer from Dark to bright
7	0-255	Dimmer fine
8	Strobe	
	0-3	Close
	4-103	Strobe from slow to fast
	104-107	Open
	108-155	Fast open slow close, from slow to fast
	156-207	Fast close slow open, from fast to slow
	208-212	Open
	213-251	Strobe random, from slow to fast
	252-255	Open
9	Color wheel	
	0-5	white
	6-11	White+Color1
	12-17	Color1
	18-23	Color1+ Color2
	24-29	Color2
	30-35	Color2+ Color3
	36-41	Color3
	42-47	Color3+ Color4
	48-53	Color4
	54-59	Color4+ Color5

	60-65	Color5
	66-71	Color5 +Color6
	72-77	Color6
	78-83	Color6+ Color7
	84-89	Color7
	90-95	Color7+ Color8
	96-101	Color8
	102-107	Color8+ Color9
	108-113	Color9
	114-119	Color9+ White
	120-127	Open
	128-190	Rainbow effect from fast to slow
	191-192	Stop
	193-255	Rainbow effect from slow to fast
10	Static gobo	
	0-4	White
	5-12	Gobo1
	13-20	Gobo 2
	21-28	Gobo 3
	29-36	Gobo 4
	37-44	Gobo 5
	45-52	Gobo 6
	53-60	Gobo 7
	61-76	Gobo 8
	77-89	Gobo 1 shake from slow to fast
	90-102	Gobo 2 shake from slow to fast
	103-115	Gobo 3 shake from slow to fast
	116-128	Gobo 4 shake from slow to fast
	129-141	Gobo 5 shake from slow to fast
	142-154	Gobo 6 shake from slow to fast
	155-167	Gobo 7 shake from slow to fast
	168-180	Gobo 8 shake from slow to fast

	181-201	Open
	202-226	8Gobos forward change from fast to slow
	227-228	Stop
	229-255	8Gobos backward change from slow to fast
11	Rotate Gobo	
	0-5	White
	6-15	Gobo 1
	16-25	Gobo 2
	26-35	Gobo 3
	36-45	Gobo 4
	46-55	Gobo 5
	56-65	Gobo 6
	66-75	Gobo 7
	76-92	Gobo 1 shake from slow to fast
	93-109	Gobo 2 shake from slow to fast
	110-126	Gobo 3 shake from slow to fast
	127-143	Gobo 4 shake from slow to fast
	144-160	Gobo 5 shake from slow to fast
	161-177	Gobo 6 shake from slow to fast
	178-199	Gobo 7 shake from slow to fast
	200-201	Stop
	202-191	7Gobos forward change from fast to slow
	192-255	7Gobos backward change from slow to fast
12	Rotated gobos rotation	
	0	No function
	1-127	Gobos Rotated position
	128-191	Forward rotation from fast to slow
	192-255	Backward rotation from slow to fast
13	0-255	Rotated gobos fine rotation
14	Prism	
	0-63	No function
	64-255	3facet Prism effect

15	Prism rotation	
	0-127	Prism Rotated position
	128-190	Prism backward rotation from fast to slow
	191-192	Stop
	193-255	Prism Forward rotation from slow to fast
16		Reserve
17	Frost	
	0-63	No function
	64-255	Frost effect
18	0-255	Zoom, from small to big angle
19	0-255	Zoom fine
20	0-255	Force
21	0-255	Force fine
22	Reset	
	0-49	No function
	50-59	Pan/Tilt Speed mode
	60-69	Pan/Tilt Time mode
	70-79	Pan/Tilt Cut light
	80-89	Close Pan/Tilt Cut light
	90-99	Effect(Color,gobo etc) cut light
	100-109	Close Effect(Color,gobo etc) cut light
	110-129	No function
		To achieve the following effect, push the DMX value to the appropriate position and hold it still for at least 4s
	130-199	No function
	200-209	Pan Tilt reset
	210-219	Effect reset
	220-229	Total reset
	230-255	No function

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
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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.