

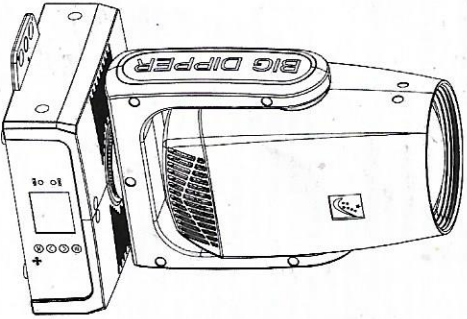


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User Manual

Moving-head Beam

LB150 / LB150 Plus



Please read this manual carefully before using the product

Main functions

(Press the menu button to enter the menu mode, use the up and down buttons to select the menu option you want. Press the ok button to enter the selected function, the main functions are as follows:)

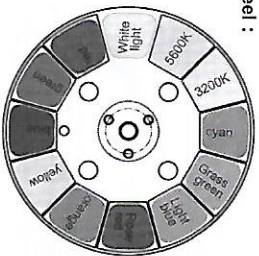
Address code	001 - 512	Default 001		
Operation mode	Dmx	Default		
	Auto 1			
	auto 2			
Master-slave selection	auto 3			
	sound control			
	Slave			
Manual control	Master			
	Automatic	Default		
	X-axis	0-255		
	X-axis fine adjustment	0-255		
	Y-axis	0-255		
	Y-axis fine adjustment	0-255		
	XY speed	0-255		
	Strobe	0-255		
	Dimming	0-255		
	Color wheel	0-255		
	Picture plate	0-255		
	Prism	0-255		
	X-axis reverse	Closure	Default	
	Set up	Y-axis reverse	Open	Default
		Data retention	Closure	Default
Open				
Voice control sensitivity	Refresh rate	Open	Default	
	4000hz			
	6000hz			
	20000hz			
	Dimming curve	Straight line	Default	
	Square curve			
	Inverse square curve			
	S-curve			
	Motor calibration (Press up-down-up-down Buttons to enter)	Pan	-127--+127	
		Tilt	-127--+127	
Color wheel		-127--+127		
Gobo wheel		-127--+127		
Prism		-127--+127		
Display setting	Language	Chinese	Default	
	English			
	Screen protector	Closure	Default	
	Mode 1			
State	Screen reverse	Closure	Default	
	Open			
	Motor information			
	Lighting status			
Light reset	Version			
	Light source time			
	Lighting time			
	XY motor reset			
Reset	Head motor reset			
	Reset all			
	Confirm			

Initial position adjustment

Press the menu button to enter the menu mode and enter the motor calibration function. Press the up-down-up-down button. Enter the initial position setting for each motor. Use the up / down button to adjust the initial position value (-128-127), press the ok button to confirm. Press the menu button to exit.

Gobo Wheel&Color Wheel

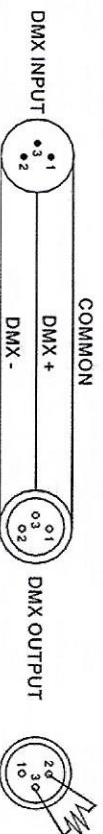
Color Wheel :



Gobo Wheel :



Universal DMX controller control



DMX Connection

1. In order to reduce signal errors and avoid signal attenuation and interference during transmission, you can add a 120 OHM 1/4W resistor between the 2nd and 3rd pins of the DMX output end of the last machine.
2. Use XLR signal cables to connect the lights, one end to the output port of the lights, and the other end to the input port of the next light. XLR signal cables can only be used in series, not in parallel. DMX512 signal transmission speed is very fast; Damage to the signal cable, loose welding, poor contact, etc. These will affect signal transmission and cause the system to shut down.
3. When the machine power of a unit is cut off, the DMX output and input connections are connected to maintain the connectivity of the DMX line.
4. Each light must have an address code that can receive information from the console, ranging from 0-511 (usually 0&1 is the same as 1).
5. The terminal of the DMX512 system needs to be equipped with a terminator to reduce errors in signal transmission.
6. 3 PIN XLR: PIN1: GND, PIN 2: Negative signal(-), PIN3: Positive signal(+).

Channel Settings

Press the MENU button to enter the main menu, Select DMX in the operation mode and press the ENTER button to confirm. Press the LEFT button to return to the previous menu or wait for one minute to automatically exit the Main menu.

Address code setting

When using a universal DMX controller to control the light, you need to set the starting address (1-512) for the light so that the machine can receive the DMX signal. Press the MENU button to enter the menu mode, select the DMX function, press the ENTER button to confirm, the current address will flash on the display, then use the UP/DOWN button to select the address code (1-512), press the ENTER button to save. Press the MENU button to return to the previous menu or wait for one minute to automatically exit the menu mode.

Please refer to the following chart to set the address codes of the first 4 lights :

Channel Mode	Lighting1	Address code	Lighting2	Address code	Lighting3	Address code	Lighting4	Address code
30 CH	1		31		61		91	
32 CH	1		33		65		97	

Channel value table

12CH	Value	Function
1	000-255	Pan
2	000-255	Pan fine
3	000-255	Tilt
4	000-255	Tilt fine
5	000-255	PAN/TILT speed (speed from 100 → 1%)
6	000-255	Dimming
7	Light switch/strobe	Light switch/strobe
	000-010	Light off
	011-99	Normal strobe (from slow to fast)
	100-109	Light on
	110-179	Pulse strobe (from slow to fast)
	180-189	Light on
	190-250	Random strobe (from slow to fast)
	251-255	Light on
8	Color wheel	Color wheel
	000-010	White light
	011-015	Color 1 <i>rojo</i>
	016-020	Color 2 <i>Naranja</i>
	021-025	Color 3 <i>Azul</i>
	026-030	Color 4 <i>Amarillo</i>
	031-035	Color 5 <i>Naranja</i>
	036-040	Color 6 <i>fucsia casi: fucsia</i>
	041-045	Color 7 <i>Celeste claro</i>
	046-050	Color 8 <i>Naranja claro</i>
	051-055	Color 9 <i>Celeste</i>
	056-060	Color 10 <i>Amarillo suave</i>
	061-065	Color 11 <i>Blanco más fuerte</i>
	172-191	White light <i>1'</i>
	192-225	The color wheel rotates clockwise from fast to slow
	226-255	The color wheel rotates counterclockwise from slow to fast <i>1'</i>
9	Gobo wheel	Gobo wheel
	000-010	White light
	011-015	Pattern 1
	016-020	Pattern 2
	021-025	Pattern 3
	026-030	Pattern 4
	031-035	Pattern 5
	036-040	Pattern 6
	041-045	Pattern 7
	046-050	Pattern 8
	051-055	Pattern 9
	056-060	Pattern 10
	061-065	Pattern 11
	066-070	Pattern 12
	071-075	Pattern 13
	076-080	White light
	081-087	Pattern 1 shaking from slow to fast
	088-094	Pattern 2 shaking from slow to fast
	095-101	Pattern 3 shaking from slow to fast
	102-108	Pattern 4 shaking from slow to fast
	109-115	Pattern 5 shaking from slow to fast

12CH	Value	Function
9	116-122	Pattern 6 shaking from slow to fast
	123-129	Pattern 7 shaking from slow to fast
	130-136	Pattern 8 shaking from slow to fast
	137-143	Pattern 9 shaking from slow to fast
	144-150	Pattern 10 shaking from slow to fast
	151-157	Pattern 11 shaking from slow to fast
	158-164	Pattern 12 shaking from slow to fast
	165-171	Pattern 13 shaking from slow to fast
	172-180	White light
	181-221	The pattern flows clockwise from fast to slow
	222-255	The pattern flows counterclockwise from slow to fast
10	Prism	Prism
	000-010	Prism off
	011-155	Prism cut-in
	156-157	Stop
	158-205	Prism rotates clockwise (speed 100% → 1%) (190 - 198)
	206-207	Stop
	208-255	The prism rotates counterclockwise (speed 1% → 100%)
11	Reserved Channel	Reserved Channel
12	Reset/Function Channel	Reset/Function Channel
	000-040	No function
	041-050	6000HZ
	051-060	20000HZ
	061-070	4000HZ
	071-080	6000HZ
	081-090	20000HZ
	091-100	Dimming curve: Linear
	101-110	Dimming curve: square curve
	111-120	Dimming curve: inverse square curve
	121-130	Dimming curve: S curve
	131-140	XY motor reset
	141-150	effect reset
	151-160	All reset
	161-255	NO function

Trouble-shooting

The following are some common problems that occur during operation, along with some suggestions for trouble-shooting.

- A. The light can not turn on**
- 1 Check the power connection and whether the fuse is intact.
 - 2 Check the voltage.
 - 3 Check the indicator light on the power switch.
- B. The light is not controlled by the console**
- 1 Check the DMX signal connector and signal cable to see if they are connected correctly. If the connection is unsuccessful, the indicator light will turn red.
 - 2 If the indicator light is green but the channel does not respond, check whether the address code is set correctly.
 - 3 If the DMX signal transmission is intermittent, check whether the connection between the XLR socket and the signal cable is good.
 - 4 Try using another controller.
 - 5 Check if the DMX signal cable is too close to the high voltage wire, which may damage or interfere with the signal circuit.
- C. A channel fails**
- 1 The stepper motor may be damaged or the motor leads may be broken.
 - 2 The motor drive circuit may be faulty.

Cleaning Dust Removal

The inside and outside of the lens and the reflector must be wiped frequently to make the lighting effect better. The frequency of wiping depends on the environment. Humid, smoky and dirty environments are prone to dust accumulation on the lens.

- Use soft linen cloth and special glass cleaner.
- Dry the parts carefully.
- Wipe the outside of the lenses at least every 30 days.

Cleaning dust inside light:

Every three months, the inside of the light should be dusted and the dust-proof cotton at the air inlet of the light should be cleaned.

产品保修卡 • Product Warranty Card

本设备的机号及技术数据出厂时我公司已经存档，购机时请填写下项目内容妥善保管，作为保修或维修凭证。
Please fill in the following content properly and keep it safe for future maintenance. Accordingly, for your each purchase of our systems we have archive Serial number and parameters for future reference.

检测 • Testing

保修 • Warranty

非保修 • Non-Warranty

机器型号/Mode: _____

机器编号/Serial No.: _____

销售单位/Distributor: _____

销售地址/Address: _____

销售电话/TeI: _____

关于产品保修 • About Product Warranty

1.凡在我公司(及授权的代理商)购买的产品在正确使用情况下,凭此卡均享有光源、机械、电子为期一年的保修服务;若非保修情况,公司亦可根据实际情况提供有偿维修服务。
Any product buy from our company (or authorized agent), which used properly, and with this card, can have 1 year warranty for lights, mechanical parts, electronic parts. If out of the warranty situation, we can provide the paid maintenance service.

2.以下几种情况不在免费保修范围:

The warranty is no longer valid in the following situations:

- ◆ 没有保修卡和产品无序列号。
Warranty cards and products have no serial numbers.
- ◆ 禁拆标记破损或有明显的自行拆装痕迹。
Product is damaged or show significant signs of self-disassembly.
- ◆ 产品无可更换元件或订制产品要求的元件,未经允许私自拆卸或更换元件导致出现问题。
Any unauthorized modification (removal or replacement) made to product or its components.
- ◆ 使用不当或进行过不适当的修理、改造而造成的故障或损伤。
Improper or excessive use of inappropriate repairs which result in a repair failure or injury.
- ◆ 没有按照使用说明操作或使用环境恶劣造成的损坏。
Did not follow instructions or use in an environment not suitable for product.
- ◆ 由购方在安装或搬运过程中强烈撞击造成的损坏。
Product damage caused by strong impact.
- ◆ 对于修复和替换产品,保修不延期。
The warranty cannot be extended if the product as been serviced.
- ◆ 光源按寿命正常缓慢衰减,不在免费保修范围之内。
Light Source normal degradation.
- ◆ 保修卡须如实填写,并有我公司或代理商印章方能生效。
Warranty card must be filled out with receipt of purchasing in order for the warranty to be valid.
- ◆ 因火灾、地震、水灾、雷电等自然灾害或电源电压不正常造成的故障及损伤。
Product is damaged due to abnormal voltage or caused by other accidents (ex. Natural disasters).

3.本公司保留对以上各项条款的最终解释权。

若产品出现问题,请及时与本公司(或代理商)取得联系,我们将在最短的时间予以解决。同时也真诚的希望您能对本公司的产品提出宝贵的意见和建议,我们将不遗余力的改善我们的产品。

以上条款的内容若有更改恕不另行通知!

The Company reserves the right to interpret the provisions above the content of these articles is subject to change without notice!