



LASER DISPLAY SYSTEM MANUAL

SEVEN STARS[®]

Laser light after service

Product warranty card

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.

Testing <input type="checkbox"/>	warranty: <input type="checkbox"/>	non-warranty: <input type="checkbox"/>
Mode:	Serial No.:	
Distributor:	Address:	
Tel:		
<p>About Product Warranty</p> <p>1. Where in my company (and an authorized agent) to buy the proper use of laser devices in the case of products that enable card are entitled to light a period of mechanical, electronic one-year warranty; if not the warranty situation, the company can also according to actual situation provide paid maintenance services.</p> <p>2. The warranty is no longer valid in the following situations:</p> <ul style="list-style-type: none"> * Warranty cards and products have no serial numbers.. * Product is damaged or show significant signs of self-disassembly. * Any unauthorized modification (removal or replacement) made to product or it's components. * Improper or excessive use of inappropriate repairs which result in a repair failure or injury. * Did not follow instructions or use in an environment not suitable for product.. * Product damage caused by strong impact * The warranty cannot be extended if the product as been serviced * Laser power normal degradation * Warranty card must be filled out with receipt of purchasing in order for the warranty to be valid. * Product is damaged due to abnormal voltage or caused by other accidents (ex. Natural disasters). <p>3. The Company reserves the right to interpret the provisions above.</p> <p>The content of these articles is subject to change without notice!</p>		

Laser Display System Manual


Model: B10000+RGB

Notices

1. This is IV laser product. Do not exposure the human eye directly to the laser light.
2. Please follow the instructions. Do not disassemble this product. Please contact the professional person if there is a malfunction.
3. Installation should be done by a professional technician.
4. Please place the product far away from strobe lights.
5. The product should be placed in a dry place. Do not use the product in a wet or dusty environment. Water-proof fittings required if it is used outdoor.
6. Do not touch the product or pull the power wire by wet hand.
7. The work temperature of laser product is 10-40°C. The product will not work normally in a low-temperature environment.
8. Do not turn on or off the product frequently. Otherwise, the service time of lasers will be affected. Besides, keeping working for a long time should be avoided.
9. Fixed installation to prevent the product from strong vibration or shock.
10. Prevent foreign objects from entering the product to avoid malfunction.
11. Keep the distance between the product and the objects in the lighting 1M at least.
12. Do not connect the power cable or turn on the light before installation.
13. Make sure the plug has been wired up properly before being powered on.
13. Make sure the plug has been wired up properly before being powered on.
14. After running constantly for three hours, turn off the product for 25 minutes at least for cooling to reuse.

15. Turn on the product before opening the laser show control software. Otherwise, the laser show control software need to be reopened.

16. Use the original shake-proof packing for re-transportation.

17.  This symbol indicates separate collection of electronics and electronic equipment

Inspection

In order to use the product securely and properly, please read the manual before using and follow the instructions strictly to prevent personal safety trouble and product damage caused by misuse.

Take care of the product, check the possibility of the product damage caused by transportation and check all the listed items are present upon receipt of the product.

1 x LASER display system 1 x User manual 1 x DMX cable
1 x Power cable 1 x DB25 link (optional) 1 x Interlock wire

Installation

1. Make sure there is no flammable or explosive subjects within min 1.5 meter nearby the installation.
2. Before installation, please check and make sure the power supply voltage meet request of the system.
3. Please check ventilation and fans or exhaust passages are cleared.
4. The equipment should be fixed firmly.
5. For security reasons, the appliance must be earthed.
6. Laser light above MPE should not be accessible to audience, MPE can't be exceed in the separation distance, see the illustration:

Instruction of using interlock wire

The machine will work only if plugging in the Interlock wire with short circuit. It will delay 5-15 seconds to light out.

(Attention: When in Follow Mode, either can be chosen for the Host. In asynchronous situation, the Follow one will run after the Host automatically to reach synchrony).

Maintenance

Clean the lens regularly. Do not use a wet cloth or chemicals, but a cotton swab with alcohol to clean the lens. The maintenance frequency depends on the usage frequency and surrounding working conditions of the product. Clearance per 15 days is recommended. Besides, dust cover at the product side should be dismantled to clear regularly because the heat radiation effect will be affected by the dust for the long-time use.

Warning

Power off before installation or maintenance.

Declare

The product is with good performance and complete package when it is delivered. The end-user of this product should follow all the above instructions and warnings. Any damage caused by misuse, malfunction and problem caused by ignoring the instructions are not included in the repair guarantees of the manufacturer or dealers.

All products made from Big Dipper Laser Company have anti - fake identification. please verify the anti-counterfeit label at the bottom of the case to ensure the interests of consumers.

	3.It can work synchronously under the control of computer (stander ITDA interface)and work in DMX ,sound and auto mode without computer. 4.Slow lighting from start (The speed of scanner is 15KPPS)
Display effect	Can show animation with blanking , patterns can be zoomed in or zoomed out synchronously (or asynchronously) in vertical or horizontal orientation, the same motion is effected on the offset, rotation, wave, dot-line ,strobe and so on.
Dimensions	330×370×125mm
NW./ GW.	5.6/7.1KG

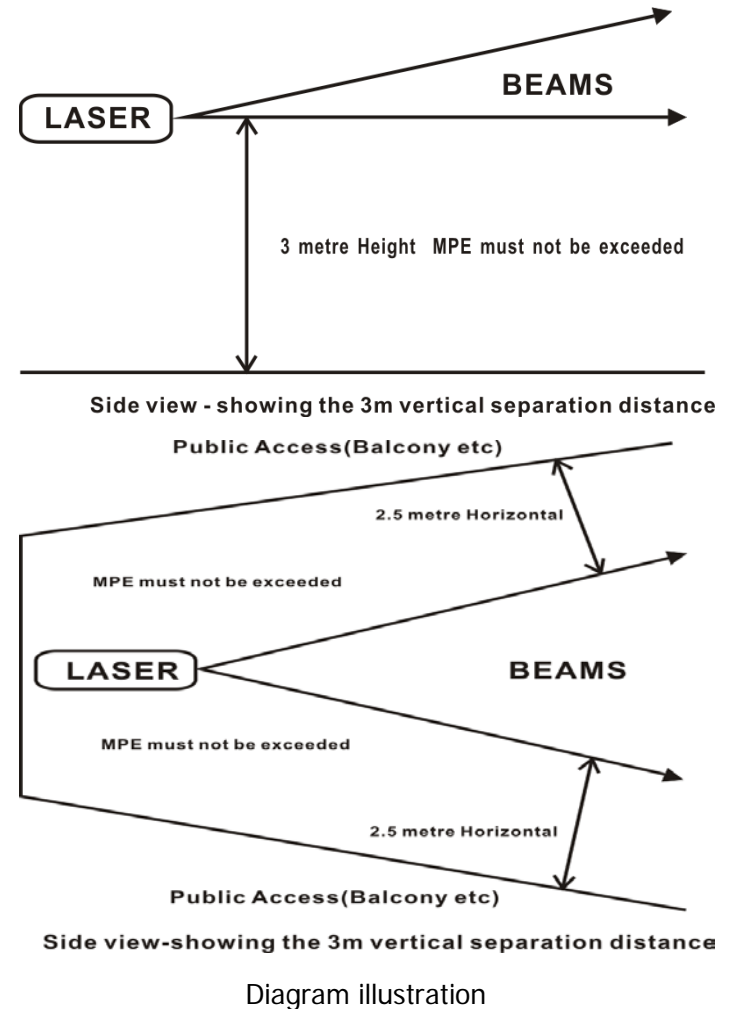
Warning: In any installation and maintenance work, please make sure the system is powered off.

Remark: DMX512 mode, the LASER display system will shut off ,if the DMX512 signal intermit . Under the sound mode, the LASER display system will be closed when quiet.

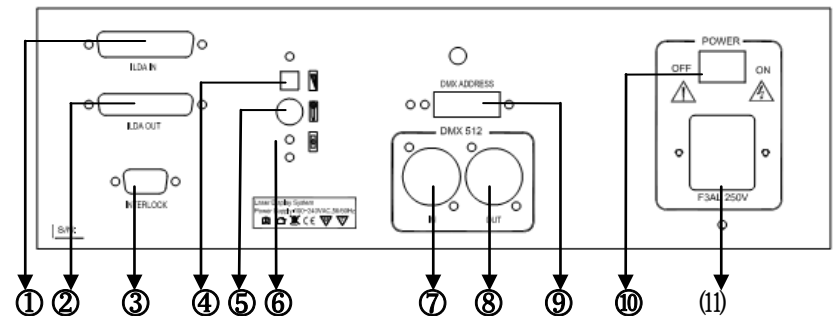
ADDRESS: DMX address setup

Address 1-10 Dip switch:

- When Dip Switch 10 is set to "On", the function of Dip code 1-9 as follows:
Dip Switch 1 is OFF..... Sound Mode(Master LASER)
Dip Switch 1 is ON..... Auto Mode (Master LASER)
Dip Switch 2 is ON.....Follow Mode
(Attention :When in Follow Mode ,either can be chosen for the Host. In asynchronous situation ,the Follow one will run after the Host automatically to reach synchrony).
- When Dip Switch 10 is set to "OFF", the system can be controlled by 12 channels DMX512.
- Speed adjustment Under sound Mode:
Dip Switch 3, 4 are set to OFF, Auto speed
Dip Switch 3 is set to "ON" , Dip Switch 4 to "OFF" Slow speed
Dip Switch 3 is set to "OFF" , Dip Switch 4 to "ON" Fast speed
Dip Switch 3, 4 are set to "ON" Fast speed
- when in Follow Mode:
Dip Switch 2 is ON..... Follow Mode



RearPanel



Function setting

- ① ILDA IN: ILDA Input ② ILDA OUT: ILDA Output
 ③ INTERLOCK: Remote control connection
 ④ MIN-MAX: Sound Sensitivity adjustment
 ⑤ Microphone: Sound signal IN
 ⑥ Indicator: light on under sound mode
 ⑦ IN: DMX signal input ⑧ OUT: DMX signal output
 ⑨ DMX ADDRESS: Binary format switch
 ⑩ POWER ON/OFF: Power Switch
 (1) F3AL 250V: Three core socket communication

Technical parameters

Model	B10000+RGB	
Laser diode	R/G /B	
Laser power	R: 300mW B:500mW G:200mW	
Power Requirement	100-240VAC, 50/60HZ	
Scan angle	±15°	
DMX Channels	12 Channels	
DMX512 Control Channel Settings		
Channels	DMX512 numerical	Operating Mode
1- PLAY MODE	0-63	Off
	64-127	Auto-Sound Mode
	128-191	Auto mode
	192-255	Manual
2-Pattern option	0-82	Static patterns
	83-92	Characters, Seven Stars
	93-95	Dancing animation
	96-98	Love heart animation
	99-255	Dynamic patterns
3- strobe	0-255	8 levels adjustment (0-255) /30= (0-8)
4-Horizontal move	0-167	Manual
	168-188	Auto Right/Left
	189-209	Auto Left/Right
	210-255	Auto Bounce Right/Left
	0-167	Manual
	168-188	Auto Down/Up

	189-209	Auto Up/Down
	210-255	Auto Bounce Up/Down
6-Zoom mode	0-10	No zoom
	11-109	Manual zooming
	110-154	Auto zooming out
	155-204	Auto zooming in
	205-255	Auto zooming
7- Horizontal tension	0	No stretch
	1-150	Manual stretch
	151-255	Auto stretch
8- Perpendicular drawing	0	No stretch
	1-150	Manual stretch
	151-255	Auto stretch
9- rotating	0	No rotating
	1-180	Manual rotation
	181-217	Auto clockwise rotation
	218-255	Auto anti-clockwise rotation
10- Display mode	0-63	Normal display
	64-127	Dot-line display
	128-191	Subsection display
	192-255	Dot display
11- wave	0-10	No wave
	11-200	Frequency low /high
	201-255	Amplitude low /high
12- color	00-251 (each five value one color,47 color optional)	White-red-green-blue-yellow-purple- Cyan-Stimulation modulation color →Subsection(RGB)→Subsection(PCY)→S ubsection(RGPYBCW)→ Counterchange(RGB)→ Counterchange(PCY)→ Counterchange(WRGBPYC)→analogue modulation color segmentation flow
	252-255	Color flow/Sound Mode
Control mode	Sound control 、 Auto control ,DMX, Follow Mode ,Compatible with PC software	
Feature	1. Red and Blue can work in analogue modulation ,34 kinds of color can realize 47 changing colors in DMX mode 2.Fantastic animation, beam effect	