



LASER DISPLAY SYSTEM

USER MANUAL


SEVEN STARS®

Laser Display System User Manual

Model: B2000+RGB

Notices

1. This is 3B laser product. Avoid eyes direct exposure to the laser light.
2. Operate abide by the user manual. Do not disassemble or repair the system by yourself. When there is a problem, please contact technician, or your local dealer.
3. Installation should be done by professional technician.
4. Please set the laser product far away from those things as strobe light.
5. The system should be kept dry. please don't exposure the system to wet or dust-laden environment need water proof environment in the open air
6. Do not touch the system by wet hand or pull the power cable forcefully.
7. The work temperature is 10-40°C, so the laser conduct doesn't work normally until it reach the work temperature when taking it in from cold environment .
8. Do not turn on or off the system frequently, and avoid keep it working for long time.
9. Prevent from strong vibration or G-shock to the system.
10. Prevent other harmful objects from entering the system.
11. Keep at least 1 meter between the system and the objects in the lighting.

12. Connect the power cable after the system has been installed.
13. Before powering on the system, be sure the power cable is connected into the power socket well.
14. Turn off the system for 25 minutes after running constantly for three hours, ensure that the system is able to cool down in a suitable environment.
15. Turn on the computer after the laser display system is on, or you must power on the computer again.
16. When to be transported, use the original package to avoid Shaking.
17.  This sign indicates separate collection for electronics and electrical equipment.

Inspection

Check that the following components are present within the package when receiving - from the list below:

- | | |
|--------------------------|--------------------------|
| 1 x LASER display system | 1 x User manual |
| 1 x Power cable | 1 x DMX cable (optional) |

Installation

1. Be sure that there is no flammable or explosive subjects in the range of at least 1.5 meters. At the same time, keep more than half a meter between the wall and LASER display system.
2. Before installation, please check and make sure the power supply voltage meet requests of the system.
3. Please check ventilation and fans or exhaust passages are cleaned

Maintenance

Clean the lens regularly. Do not use a wet cloth or chemicals, but a cotton swab with alcohol . The maintenance period depends on the usage frequency and surrounding conditions of the LASER display system. It recommended that the system should be cleaned every 15 days.

Warning

Power off any related system before maintenance.

Declare

The end-user of this product should abide by the above instructions and warnings. Performing actions which was advised not to do so as stated by this manual may void the warranty of this laser display system. If the problem are caused by ignoring operation manual, the dealer will not take charge.

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.

10. Display mode	0-69	Normal display
	70-139	Dot-line display
	140-209	Subsection display
	210-255	Dot display
11. Wave	0-10	No wave
	11-200	Frequency low /high
	201-255	Amplitude low /high
12. Color	0-255	White-Red-Green--Blue-Purple-Yellow -Cyan Subsection(GBR)-Subsection(PCY)-Subsection(RGBYPCW) Color counterchange(RGB)-Color counterchange(CYP)-Color counterchange(WRGBYC)- sound change color
13. Gradually draw	0-149	Manual gradually draw
	150-255	Auto gradually draw
Remark: From 3rd to 13th channel effect only on 2 nd channel 0-79 selection value graphics effectively		

Remark

DMX512 mode, breaks-up signal will let laser diode shut off.

ADDRESS: DMX address setup

1. When the 10th code is ON, the function for 1-9 per below:

The 1st code is off-----sound mode (host LASER)

The 1st code is on-----Auto mode (host LASER)

The 3st code is on----- Auto animation(host LASER)

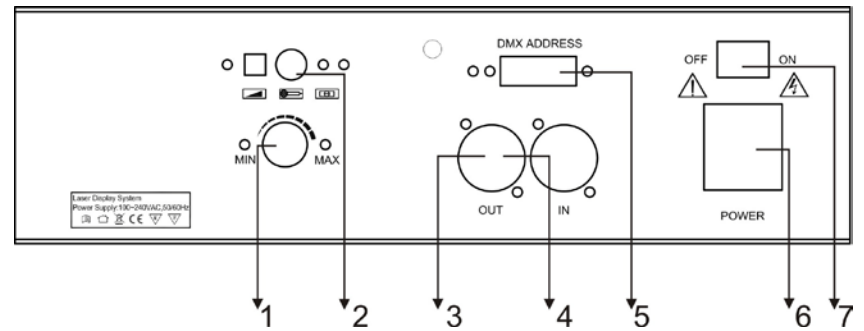
The 2nd code is on --- Slave laser

2. When Dip Switch 10 is set to "OFF", the system can be controlled by DMX512.

4. The equipment should be fixed firmly

5. For security considerations ,please connect the earthing conductor to ground

Back panel



Key-press function instruction

1. Graph size adjustment

2. Microphone: Sound signal IN

3. DMX 512 OUT: DMX signal output.

4. MX 512 IN: DMX signal input.

5. DMX ADDRESS: Binary format switch.

6. F3AL 250V: Three core Power Socket(AC)

7. POWER ON/OFF: Power Switch

Technical Parameters

Model		B2000+RGB
Parameters		
1	LASER diode	Red/Green/Blue
2	Power supply	100-240VAC, 50/60Hz
3	LASER power	R>100mW G>50mW B>150mW
4	Scanner angle	+/- 30°
5	DMX Channels	13
6	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 and so on.
7	Control mode	Sound、Auto(Master-slave is available)、DMX
9	Dimensions	300*200*137mm
10	Net weight/ Gross weight	2.5/3.1KGS

DMX channel setting

Channel No.	DMX512 value	Content
1.Play mode	0-51	Shut off the Laser diode
	52-103	Sound control mode
	104-155	AUTO mode
	156-207	Auto mode for animation
	208-255	Manual
2.Patterns	0-79	Static patterns
	80-94	Animation
	95-255	Dynamic pattern
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
5.Vertical move	0-167	Manual
	168-188	Auto Down/Up
	189-209	Auto Up/Down
	210-255	Auto Bounce Up/Down
6.Zoom	0-10	No zoom
	11-104	Manual zooming
	105-154	Auto zooming out
	155-204	Auto zooming in
	205-255	Auto zooming
7.Horizontal stretch	0	No stretch
	1-150	Manual stretch
	151-255	Auto stretch
8.Vertical stretch	0	No stretch
	1-150	Manual stretch
	151-255	Auto stretch
9.Rotation	0	No rotating
	1-180	Manual rotation
	181-217	Auto clockwise rotation
	218-255	Auto anti-clockwise rotation