



LASER DISPLAY SYSTEM

MANUAL

SEVEN STARS®

Laser Display System Manual

Model: B5000+RGB

Notices

1. This is 3B 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.

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
	150-255	Auto gradually draw
Remark: From 3rd to 13th channel effect only on 2 nd channel 0-64 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)

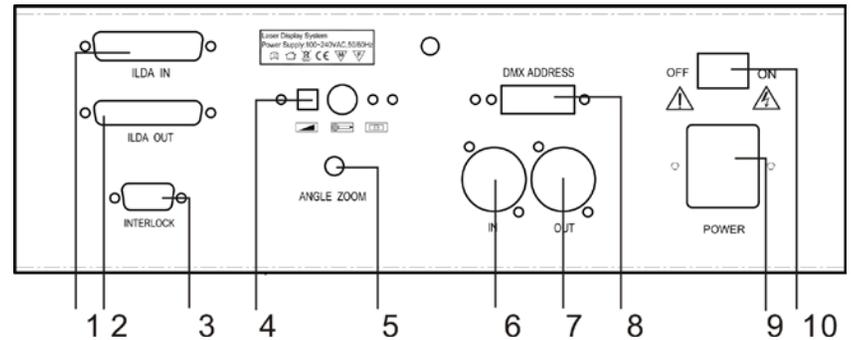
The 3st code is on----- Auto animation(host LASER)

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. ILDA IN: ILDA Input.

2. ILDA IN: ILDA Output.

3. INTERLOCK: Remote control connection

4. Microphone: Sound signal IN

5. Graph size adjustment

6. DMX 512 IN: DMX signal input.

7. DMX 512 OUT: DMX signal output.

8. DMX ADDRESS: Binary format switch.

9. F3AL 250V: Three core socket communication.

10. POWER ON/OFF: Power Switch

Technical Parameters

Model		B5000+RGB
Parameters		
1	LASER diode	Red/Green/Blue
2	Power supply	100-240VAC, 50/60Hz
3	LASER power	R>120mW G>60mW B:400-550mW
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-play/single pattern by DMX control/standard ILDA interface
8	Feature	Capable run in one time controlled by computer (standard ILDA socket), also capable run controlled by DMX, sound and AUTO mode without computer. (The speed of scanner is 15KPPS)
9	Dimensions	312×280×150mm
10	N.W /G.W	3.7/4.7kg

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.

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	0-64	Static patterns
	65-94	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
5.Vertical move	210-255	Auto Bounce Right/Left
	0-167	Manual
	168-188	Auto Down/Up
6.Zoom	189-209	Auto Up/Down
	210-255	Auto Bounce Up/Down
	0-10	No zoom
7.Horizontal stretch	11-104	Manual zooming
	105-154	Auto zooming out
	155-204	Auto zooming in
	205-255	Auto zooming
8.Vertical stretch	0	No stretch
	1-150	Manual stretch
	151-255	Auto stretch
9.Rotation	0	No stretch
	1-180	Manual rotation
	181-217	Auto clockwise rotation
	218-255	Auto anti-clockwise rotation