

LASER DISPLAY SYSTEM

USER MANUAL

SONKEN

REV: 2.00

Please read this manual carefully before operating


displaying effects. The model has an optional DMX512 function which is highly recommended to realize gorgeous effects in any venues.

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. Do not exposure the system to wet environment.
6. Do not touch the system by wet hand and pull the power cable forcefully.
7. The work temperature is 10-40°C,so the laser conduct doesn't work until it reach the work temperature when taking it in from cold environment .
8. Do not turn on or off the system frequently, avoid turning on it 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
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the lighting.
12. Connect the power cable after the system has been installed.
13. Turn on the computer after the laser display system is on, or you must power on the computer again.

BEAM LASER USER MANUAL

Model: K800

Thank you for using our products .This Laser can perform fantastic

- 14. Before powering on the system, be sure the power cable is connected into the power socket well.
- 15. 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.
- 16. When to be transported, use the original package to avoid damage.
- 17.  This sign indicates separate collection for electronics and electrical equipment.

Inspection

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

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

Installation

- 1. Be sure that there is no flammable or explosive objects nearby in 1.5 meters area. At the same time, keep more than half a meter between the wall and LASER display system.
- 2. Be sure the power socket output voltage matches that of the LASER display system.

Maintenance

Clean the lens regularly. Do not use a wet cloth or other chemicals; but a cotton cloth with alcohol. The maintenance period depends

on the usage frequency and surrounding conditions of the LASER display system. It is recommended that the system should be cleaned every 15 days.

Warning

Be sure power off before any maintenance or fixture.

Declare

The end-user of this product should abide by the above instructions and warnings. The results led by the perform actions, which do not go along with this manual, are not in the range of warranty.

10-color	0	No gradually draw	Remark:
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	1-100	Manual setting figure the Gradually draw Of percent	All related to The function of color can't Be exist without the modulability .
	101-251	Color gradually Display color erase effect(may timing)	
	252-255	Sound switch color gradually draw/ Gradually erase effect .	

Address function setting

- When the 10th code is ON, the function of 1st code is the following
 The 1st code is off----sound control mode(host laser)
 The 1st code is on----AUTO play mode(host laser)
- When the 10th code Is off---DMX control

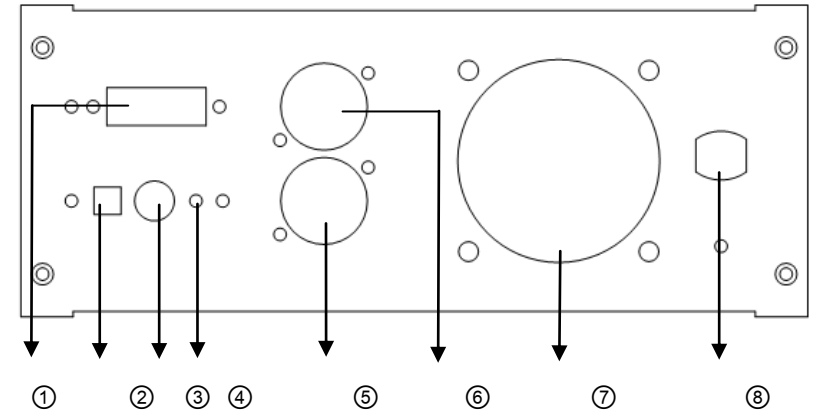
Remark

On the DMX 512 mode, the LASER display system will shut off the LASER diode if the DMX 512 signal intermit.

- Ensure the fan and the exhaust is not blocked.
- The LASER display system should be statically fixed immovably..

5. It is essential to be earthed well for the sake of safety.

Back panel



- ② DMX ADDRESS: Binary address switch ,controlling pattern's change in DMX
- ③ MIN、MAX: Sound sensitivity potentiometer.
- ④ Microphone
- ⑤ MIC LED: Sound indicator light, Red
- ⑥ DMX512 IN: DMX512 signal input. (optional)
- ⑦ DMX512 OUT: DMX512 signal output. (optional)
- ⑧ FAN
- ⑨ Input power line

Technical parameters

Model	K800
激光器	Red/Green
Power supply	85-265VAC, 50-60HZ
LASER power	R:75-100mW G:25-45mW
Scanner angle	± 18°
Control model	Sound control ,Auto control , DMX control
function	Saving static and dynamic patterns. Can be changed by DMX, easy to operate. when in automatic or sound working mode ,if the time of no sound last 10 second, the color of picture will draw automatically.
Effect	Displaying more than 50 light beams and patterns, displaying laser patterns specified by international laser display association, such as diffusing laser network. Slowly rotating color fan, time and space tunnel and fairy flowers. (Can be programmed with customers)
Dimensions	218×189×128mm
Net weight/ Gross weight	2.1KG/2.5KG

Channel	DMX value	Control Content
1-Control mode	0-69	Shut off the LASER diode
	70-139	Auto mode (music active)
	140-209	Auto mode (auto active)
	210-255	Manual model
2-Pattern	0-33	Static pattern
	34-255	Dynamic pattern
3-Strobe	0-255	8 grade speed (0-255)/30=(0-8)
4-Dot display	0-69	Normal display
	70-255	Dot display
5-Horizontal move	0-160	Manual move
	161-190	Automatic loop (from left to right)
	191-220	Automatic loop (from right to left)
	221-255	Automatic loop (from right to left and right to left)
6-Vertical move	0-160	Manual move
	161-190	Automatic loop (from down to up)
	191-220	Automatic loop (from up to down)
	221-255	Automatic loop (from up to down and down to up)
7-Zoom	0-2	Original size
	3-92	Manual zoom
	93-146	Automatic loop (from small to big)
	147-200	Automatic loop (from big to small)
	201-255	Automatic loop (from big to small and small to big)
8-Color	0-255	No
9-Reset	0-255	The channel value is 200 or bigger Than 200, then the system reset.