

# Laser Show System



LASERLIGHT



## User Manual

### Four Heads Scanning Laser Light

## **Please read this manual carefully before use!**

Thank you for purchasing this product. To optimize the performance of this product, prior to use, please read these operating instructions carefully to familiarise yourself with the basic operation of this unit. Please keep the manual in safe place for future reference.

This unit has been tested at our factory before being shipped to you, there is no assembly required.

Once after received this product, please take and put carefully. And check cautiously that whether the product was damaged or not during the transportation.

### **Checking Parts**

Please check if the following parts are included:

- 1 x Laser Light
- 1 x Power cable
- 1 x User manual

### **Danger Laser Radiation!**

**Avoid direct eye exposure!**

**Laser radiation can cause eye damage or skin damage**

**All protective measures for a safe operation of this laser must be applied.**

### **Attention**

1. Must operate according to the user manual. Don't separate the light personally. Call the technician when the machine breaks down.
2. Please do not see the laser beam directly to avoid any damage.
3. Before connect or disconnect the power, please adjust the luminance of the laser diode to the least to avoid any damage to the laser diode.
4. This unit should be keep dry, do not use in the rain and dusty environment. It can be use in the outdoor with the water-proof cover protector.

5. Set the light immobility and try to avoid strong shake or hit.
6. Prevent dust into the equipment to avoid problems.
7. Please keep that there's no other equipment or decorating materials obstructed the exhaust fan and the vent-pipe when the equipment was working.
8. Before connect power, check the plug is immobility or not, power line should be connect well.
9. Please do not open or close the equipment frequently that's to avoid any affect to the life span of the laser diode, and try the best to avoid the long time working.
10. Due to the characteristic of the laser diode, after four hours working, it should be close at least 25 minutes until the laser diode cooling then work again.
11. Don't touch the light or draw the power line when your hand was wet. And do not pull the electronic power line.
12. Maintain the distance at least 10M above from the equipment to the object.
13. This equipment does not have any parts can repair for the users, please do not open the equipment.
14. When the laser diode became dim or damaged please contact the dealer timely.
15. To use the original package when transport again and to avoid shake.

## **Installation**

1. Please check the voltage whether is the same with the one showed on the equipment or not.
2. It must ask for the technical person and set the light safety when installation. And let the light beam at the suitable angle.
3. When install this equipment please make sure there's no flammable surfaces (decorated things, etc) within at least 2.5M and maintain minimum distance of 0.5M from the equipment to the walls.
4. Please make sure that there's no other equipment or decorating materials obstructed the exhaust fan and the vent-pipe.
5. Products should be install immobility.
6. In case of safety, it's very important that to connect the earth with line.

## **Function Instructions**

1. When dip switch No.10 is set to the "ON" position, the unit works in auto mode.
2. When all dip switches are set to the "OFF" position, the unit works in sound-active mode.
3. Auto-play(Master-slave synchronization): When dip switch No.10 is set to

the "ON "position , the light will run the settled program automatically, meanwhile, it will have DMX512 signal's output ; Just one light could be settled to be master. Setting slave: you should put dip switch No.1 in "ON"

4.Sound active(Master-slave synchronization): when all dip switches are turned off, the light is in sound-active mode. In this condition, the light will run program along with music, meanwhile, it will have DMX512 signal's output. Just one light could be settled to be master. Setting slave: you should put dip switch No.1 in "ON".

5. Sound active sensitivity adjusting:The potentiometer on the backboard can adjust sound active sensitivity.Turning the sensitivity knob in the clockwise direction to increaser the fixture's sensitivity to sound. the knob in the counter clockwise direction to decrease.

6.Address code function mode setting

Mode		Binary Code (ON/OFF)
1	DMX-512 Mode/Slave Mode	1-9:setting address code 10:ON
2	Sound Active/Master Mode	1-10:OFF
3	Auto-Play/Master Mode	1-9:OFF;10:ON

★When it is in DMX 512 mode,if there is no DMX signal input,the light will change into auto mode automatically

### Channel Introductions

Channel	Function	Value	Description
CH1	Function Selection	0~64	Choose patterns
		64~127	Auto-Play 1
		128-191	Auto-Play 2
		192-255	Sound Active
CH2	Laser	0~10	Light off
		11~21	Light on
		22~32	Outlet 1 on
		33~43	Outlet 2 on
		44~54	Outlet 3 on
		55~65	Outlet 4 on
		66~76	Outlet 1 and Outlet 3 on
		77~87	Outlet 2 and Outlet 4 on
		88~98	Outlet 1 on
		99~109	Outlet 2 on and Outlet 1 on
		110~120	Outlet 3 on and Outlet 2 on
		121~127	Outlet 4 on and Outlet 3 on
128-192	Auto outlet 1~4		

		192-255	Auto outlet 4~1
CH3	Overall scanning	1~127	Angle selection when overall scanning manually
		128~255	Angle selection when overall scanning automatically
CH4	Scanning and shaking	1~255	Angle selection when scanning in a line
CH5	Overall strobe	1~255	Angle selection when overall strobing
CH6	Outlet 1	0~63	Light off
		64~127	Light on
		128~255	Strobing speed adjustment
CH7	Motor 1	0~127	Motor angle adjustment
		128~255	Scanning angle adjustment
CH8	Outlet 2	0~63	Light off
		64~127	Light on
		128~255	Strobing speed adjustment
CH9	Motor 2	0~127	Motor angle adjustment
		128~255	Scanning angle adjustment
CH10	Outlet 3	0~63	Open light
		64~127	Close light
		128~255	Strobing speed adjustment
CH11	Motor 3	0~127	Motor angle adjustment
		128~255	Scanning angle adjustment
CH12	Outlet 4	0~63	Open light
		64~127	Close light
		128~255	Strobing speed adjustment
CH13	Motor 4	0~127	Motor angle adjustment
		128~255	Scanning angle adjustment

### **Maintenance**

Maintenance should be performed every 15-day period, by using a sponge which is dipped with alcohol, rather than wet cloth or other chemical liquid, to clean the mirror.

Always disconnect from the mains when the device is not in use or before cleaning it.

### **Warning**

Power must be disconnected before maintenance or repair. Do not look at the light source directly.

**Note**

Don't separate laser machine from laser power and repair them by yourself , otherwise no good repair service will be supplied.

**Technical Specifications**

- 1.Power Supply: AC 220-240V  
AC 90-130V
- 2.Rated Power: 60W
- 3.Working Mode: Sound Active/ Auto-play/DMX512/Master-Slave
- 4.Control Signal: DMX512 signal
- 5.DMX Control Channels: 13channels
- 6.Operating Temperature: -1<sup>o</sup>--35<sup>o</sup>
- 7.Storage Temperature: -10<sup>o</sup>--60<sup>o</sup>
- 8.Warm-Up Time :<15 min
- 9.Laser Classification: 3b
- 10.Modulation: TTL

**Declaration**

This device has left our premises in absolutely perfect condition. In order to maintain this condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this user manual.

We cannot be made liable for damages caused by incorrect installations and unskilled operation!

# Warranty Card

This product is made of high-brightness transistor. We will provide 1 year warranty under the condition that user has operated the light normally and lifetime service. We won't provide warranty if the damage is caused by artificial or force majeure event. Cost of fittings should be charged by user if product need maintenance after 1 year .Please cut this warranty card and shipped it along with the product to our factory when applying for warranty.

Product:	Purchasing date:	Code of invoice:
Warranty date: From	To	
User's name:	Add:	
Company:	Tel:	