

# Laser Show System



LASERLIGHT



**User Manual**

**Mini Laser UFO**

# **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 ufo
- 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.**

## **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.

**Attention**

- 1.Please do not open the bottom cover yourself without permission.Operate it accord the user manual. 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 3M 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.When you want to retransfer the products,you'd better use the original package to shockproof.

**Display Function Instruction**

No.	Display	Function Instructions
1	d001	Set DMX address

2	CHXX	Choose 8/26 channels
3	Auto	Auto Play
4	Soud	Sound Active
5	SdXX	Set sound active sensitivity (00-99)

## **Channel Instructions**

### **26 channels**

<b>Channels</b>		<b>Value</b>	<b>Function</b>
CH1	Function	0-49	Invalid
		50-99	Low Speed Auto Play
		100-149	Medium-high Speed Auto Play
		150-199	Fast Speed Auto Play
		200-255	Sound Active
CH2	Whole light	0-127	Whole light off
		128-255	Whole light on
CH3	Strobe	0-9	Choose strobe
		10-127	1:1 strobe
		127-255	1:2 strobe
CH4	Dimmer	0-35	Invalid
		36-255	Dimmer
CH5	Dimmer Speed	0-255	Dimmer Speed
CH6	X-axis whole action	0	Invalid
		1-255	Change all X-axis position
CH7	Y-axis whole action	0	Invalid
		1-255	Change all Y-axis position
CH8	Built-in effect	0	Invalid
		1-255	Invoke built-in effect
CH9	No.1 laser diode	0-127	Close No.1 laser diode
		128-255	Open No.1 laser diode
CH10	No.1 laser diode's X-axis motor position	0-255	Choose motor's scan angle
CH11	No.1 laser	0-255	Choose motor's scan angle

	diode's Y-axis motor position		
CH12	No.2 laser diode	0-127	Close No.2 laser diode
		128-255	Open No.2 laser diode
CH13	No.2 laser diode's X-axis motor position	0-255	Choose motor's scan angle
CH14	No.2 laser diode's Y-axis motor position	0-255	Choose motor's scan angle
CH15	No.3 laser diode	0-127	Close No.3 laser diode
		128-255	Open No.3 laser diode
CH16	No.3 laser diode's X-axis motor position	0-255	Choose motor's scan angle
CH17	No.3 laser diode's Y-axis motor position	0-255	Choose motor's scan angle
CH18	No.4 laser diode	0-127	Close No.4 laser diode
		128-255	Open No.4 laser diode
CH19	No.4 laser diode's X-axis motor position	0-255	Choose motor's scan angle
CH20	No.4 laser diode's Y-axis motor position	0-255	Choose motor's scan angle
CH21	No.5 laser diode	0-127	Close No.5 laser diode
		128-255	Open No.5 laser diode
CH22	No.5 laser diode's X-axis motor position	0-255	Choose motor's scan angle
CH23	No.5 laser diode's Y-axis motor position	0-255	Choose motor's scan angle
CH24	No.6 laser diode	0-127	Close No.5 laser diode
		128-255	Open No.5 laser diode
CH25	No.6 laser diode's X-axis motor position	0-255	Choose motor's scan angle

CH26	No.6 laser diode's Y-axis motor position	0-255	Choose motor's scan angle
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## 8 channels

Channels		Value	Function
CH1	Function	0-49	Invalid
		50-99	Low Speed Auto Play
		100-149	Medium-high speed Auto Play
		150-199	Fast Speed Auto Play
		200-255	Sound Active
CH2	Light on/off and colors	0-9	Whole light on/off
		10~27	R2
		28~45	G1
		46~63	B1
		64~81	R1
		82~99	G2
		100~117	B2
		118~136	R1, R2
		137-154	G1, G2
		155-172	B1, B2
		173-190	R2, G1, B1
		191-208	R1, G2, B2
		209-226	R2, G2, B1
		227-244	R1, G1, B2
245-255	R1, G1, B1, R2, G2, B2		
CH3	Strobe	0-9	Close strobe
		10-127	1:1 strobe
		127-255	1:2 Strobe
CH4	Dimmer	0-35	Invalid
CH5	Dimmer speed	0-255	Change dimmer speed
CH6	Y-axis whole action	0	Invalid
		1-255	Change all X-axis position
CH7	Y-axis	0	Invalid

	whole action	1-255	Change all Y-axis position
CH8	Built-in effect	0	Invalid
		1-255	Invoke built-in effect

## **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 100-240V 50/60Hz
- 2.Rated Power: 80W
- 3.Laser Power: 100mw@638nm\*2,50mw@532nm\*2,500mw@445nm\*2
- 4.Working Mode: Sound Active/ Auto-play/DMX512/Master-Slave
- 5.Control Signal: DMX512 signal
- 6.DMX Control Channels: 8/26
- 7.Operating Temperature: -1°--35°
- 8.Storage Temperature: -10°--60°
- 9.Warm-Up Time :<15 min
- 10.Laser Classification: 3b
- 11.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:	