



Thank you for your support and trust in our products!

使用说明书

OPERATING INSTRUCTIONS

保修卡

WARRANTY CARD

10W INDOOR SHAKING HEAD LASER LIGHT

(Please read carefully before use)

Catalogue

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●warranty card

Product warranty card

product name	product model

Product user	
Company name:	
address:	
contacts:	
Telephone:	

date of manufacture	User purchase date

promoting products	
contacts:	
Telephon:	Seal

Note: The blanks above must be truthfully filled in and sealed by the end user and the seller, otherwise

Anger does not warrant.

Warranty provisions

1.The free warranty period is 24 months from the date of purchase, under the normal use condition according to the user's manual. In case of machine failure, please contact the sales shop. Please show this warranty card when requesting repairs. If the warranty card is not presented, the sales shop has the right not to provide warranty.

During the warranty period, the following repairs will also be charged:

- The unpacking mark on the machine was torn by people。
- Failure and damage caused by failure to use according to the instruction manual and operating precautions。
- Faults and damages caused by mixing during moving after purchase。
- Faults and damages caused by user's self repair, transformation, decomposition and cleaning。
- Component failure or operation failure due to abnormal voltage。
- It occurs after purchase due to fire and natural disasters. Faults and damages caused by earthquake, etc。
- Faults and damages caused by connecting other equipment.

2. Please keep this card properly. If this warranty card is lost, it will not be reissued.

1.Based on the working characteristics of the national laser, it should be avoided to open it for a long time as far as possible. After 10 hours of continuous use, please turn off the laser light for 10 minutes and use it after the laser has cooled down

2.Touch the reflector in the laser projection window by hand

3.For the high voltage inside the machine, please disconnect the laser light by yourself, and professional guidance is required

Please note that the damage caused by man-made natural disasters is not covered by the warranty

Maintenance

Maintain the product regularly. If the lamp is used for a long time, the lens surface at the light outlet will absorb dust and reduce the laser output power. Please use lens cleaning paper or cotton stick dipped in alcohol to clean the lens to optimize the light effect output. Pay attention not to use wet cloth or other chemical solvents to clean the lens. The cleaning times depend on the operating frequency of the lamp and the surrounding use environment. It is recommended to clean the lens every 20 days. Please regularly wipe the chassis surface with a clean towel to check and clean the fan

Dear user :

Laser radiation avoid eye or skin exposure to direct or scattered radiation class 4 laser product

When taking pictures, avoid laser scanning to the camera, otherwise the camera will be damaged.

Thank you for purchasing full color animation laser light products, in order to better use and operation of this product, please read these instructions carefully before use, manual contains important safety advice information and user instructions, in strict accordance with procedures, in order to avoid misuse personal safety or damage caused by lighting, and keep a good manual, a reference for later use. Our every product before leaving the factory through rigorous testing, and to achieve the best beam effects.

Upon receipt of the product, please be careful to take place; check if the product is damaged by transportation may cause; and inspect all cartons with the following accessories:

●Packing list

1.animation laser light one. 2.PIN power line 3.One User Manual

●Note :

1. strict accordance with the instructions of the operating procedures of this operation, do not disassemble lamps. Failure to professionals maintenance.
2. This product is only suitable for indoor use. Please place it in a well ventilated and dry place to prevent water ingress. Do not use it in dusty environments.
- 3.Based on the characteristics of semiconductor lasers, requires a stable working environment at a temperature of -15 ~ 30 °C, After working continuously for 10 hourschildhood,Turn off the lamps 10 minutes re-use of lasers to cool completely, otherwise it will shorten the life of the laser.
4. fixed installation, avoid strong vibration or impact lighting. Do not use jitter. Between the lamp and the object to be irradiatedShould be more than 1 meter intervals.
5. prevent foreign matter into the body, so as not to cause a malfunction.
6. When the unit is operating, ensure unobstructed ventilation exhaust passage.
7. Before electricity, pay attention to the plug is inserted firmly, make sure the power is properly grounded to prevent electric shock.
8. Do not frequent switching, to avoid affecting the laser lamp life, and try to avoid prolonged open.
9. stickers shall repair torn, otherwise the company will not be responsible for repair.
10. Avoid using afar observe the laser source device, this may increase the danger.

- 11. When your hands are wet, do not touch the product, do not pull on the cord.
- 12. The interior lighting is no user-serviceable parts, do not open the lamp.
- 13. When the semiconductor laser brightness decreased or other damage, please contact your dealer.
- 14. transport again, please note that shock is best to use the original packaging.
- 15.Before performing any installation and maintenance work, make sure that the power cut off.
- 16.This lamp laser danger rating for Class III B, to observe directly in the beam is dangerous, the minimum irradiation distance 13cm,The maximum exposure time of ten seconds or less safe.
- 17.Please keep a distance between the lamp and combustible materials 0.5 meters.
- 18.The lamp on the power requirements of 220/110 ± 10% V, if outside this range, use the regulator device, otherwise it will seriously affect the laser life.
- 19.Before installing, make sure the voltage matches the power supply voltage and lamps you use the logo.
- 20.The need for a professional installation, safe and reliable fixture fixed and adjusted to the appropriate irradiation angle.
- 21.When installing the device, make sure at least 0.5 meters of no extreme explosive flammable items (ornaments, etc.), to ensure that lighting and wall spaced 15 cm or more.
- 22.Make sure the ventilation fan and exhaust passages no other equipment or decorative material clogging.
- 23.For security reasons, please use lamps can withstand 10 times the weight of the insurance rope assisted lifting.
- 24.For safety reasons, the earth grounding is very important.

Maintenance:

Regular maintenance of the product. Long-term use of the lamp, the light at the mouth of the lens surface will absorb dust, reducing the output power of the laser, use a lens cleaning paper or with a cotton swab dipped in alcohol to clean the lenses to optimize light output, careful not to wipe the lens with a damp cloth or other chemical solvents, cleaning frequency depends on the frequency of operation of the lamp and around the use of the environment, it is recommended to clean once every 20 days. Wipe with a clean towel chassis surface periodically to check and clean the fan opening.

Statement:

This product is strictly tested in the factory, with good performance and complete packaging. All users should strictly abide by the above warnings and operating instructions. Any misuse caused by product damage is not within the scope of our warranty. The company is responsible for the damage to human body caused by laser in the operating manual or dealers in any operating range due to negligence due to faults and problem

Comparison Table of Common Product Faults	
Cause of failure	Main fault analysis and solutions
Lamps do not emit light inoperation	1. Check whether the power line is connected to the lamp and whether the power fuse is burnt, 2. Whether the input voltage matches the specified voltage of the lamp
No response to the sound control of lamps	1. The potentiometer may be adjusted to the minimum. Try to adjust the potentiometer
The lamp can give off light normally But not controlled by the controller	1. Check whether the DIP starting address code of the lamp is set correctly 1. Check whether XIR signal wire is damaged
Master slave synchronization mode, the master is normal, and the slave is abnormal	1. There should be only one host without DMX console connection. Set voice control or self-propelled mode 2.The host is set correctly and there is still a problem. Please check the online cable
Key failure, no effect	1.Check whether a key is not reset
The light is dim and the brightness drops obviously	1. Check whether the bulb or laser tube reaches the service life 2.Check the internal and external optical lenses for stains and keep them clean.

Statement

This product has undergone comprehensive and strict testing in the factory, with good performance and complete packaging. All users should strictly follow the above warnings and operating instructions. Any product damage caused by misuse is not covered by our warranty, and laser damage caused by faults and negligence or within the scope of the distributor's responsibility is the responsibility of the company.

●Technical parameters

- 1) Laser type: Using full solid semiconductor laser.
- 2) Voltage: 110V
- 3) Motor: Scanning: 30 Kpps high speed closed-loop laser graphics galvanometer
- 4) Control: DMX512 standard
- 5) Control Mode: Sound control, DMX512 , Self-propelled model ,Master & slave mode
- 6) Function: have the effect of combination control of speed, size, four laser scanner, many kinds of light beam.

Performance effect; many kinds of light beam and picture such as launch-four-sides, laser puzzled web, time and space channel, dancing-butterfly enacted by International Laser Show Association.

电压	AC100-240V		AC100-120V	AC200-240V
选用				
频率	50HZ	60HZ	50HZ-60HZ	
选用				

Connection and control of lamp power supply

Use a special plug to connect the laser lamp with the main power line. Pay attention to whether the voltage and frequency on the label are consistent with the power supply.

passageway	Function	numerical value	explain
CH1	Laser switch lamp	0-10	douse the glim
		11-255	Light brightness is 1-100% on
CH2	LED effect	0-10	L ed shutout
		11-255	Select the Led effect, and select one effect for every 1 numerical value
CH3	LED effect position and speed	0-128	Manual LED effect position
		129-170	Positive and reverse cycle action, the speed from fast to slow
		171-212	Forward action, the speed from fast to slow
		213-255	Reverse action, the speed from fast to slow
CH4	LED stroboflash	0~255	Select the LED strobe speed from fast to slow
CH5	x	0-255	X shift
CH6	xF	0-255	X fine-tuning movement
CH7	y	0-255	Y shift
CH8	yF	0-255	Y fine-tuning movement
CH9	s peed	0-255	The XY speed is from fast to slow
CH10	Graphic group select	0-49	Static graph groups, 1 group for every 5 values
		50-99	Self-walk effect group, 1 group for every 5 values
		100-199	SD card effect group, 1 group per 5 values
		200-255	Built-in storage effect group, 1 group per 10 values
CH11	figure	0-255	1 figure for every 3 values
CH12	Red light modulation	0-255	Red light is from the brightest to the most extinguish

CH13	Green light modulation	0-255	Red light is from the brightest to the most extinguish
CH14	Blu-ray modulation	0-255	Red light is from the brightest to the most extinguish
CH15	pigment	0-1	primary colours
		2-15	7 paragraphs of solid color, red, green, blue, yellow, green, purple, white
		16-19	7 segment solid color variation
		20-33	7 color (see table below)
		34-37	7 segment color variation
		38-154	Color section
		155-255	Color section running water
CH16	strobflash	1~255	Flstrobe speed selection, from fast to slow
CH 17	X shift	0-255	Adjust the position manually
CH 18	Y shift	0-255	Adjust the position manually
CH19	Display mode	0-63	Normal display
		64-127	bright spot display
		128-191	It's 16 o'clock
		192-255	The 8 o'clock display
CH20	X overturn	0	No flip
		1-127	hand regulation
		128-191	Automatically flip in the clock direction
		192-255	Automatic flip against the clock direction
CH21	Y overturn	0	No flip
		1-127	hand regulation
		128-191	Automatically flip in the clock direction
		192-255	Automatic flip against the clock direction
CH22	Center rotation	0	Non-Rotation
		1-127	hand regulation
		128-191	Auto-rotate in the clock direction
		192-255	Automatic rotation against the clock direction

CH23	X automatic movement CH 18 is 0 to work	0-63	Automatic forward movement, boundary crossing
		64-127	Automatic circulation movement
		146-215	Automatic reverse motion, out of the boundary disappeared
		216-255	Automatic forward movement, out of the boundary to turn back
CH24	Y automatic movement CH 19 of 0 to work	0-63	Automatic forward movement, boundary crossing
		64-127	Automatic circulation movement
		146-215	Automatic reverse motion, out of the boundary disappeared
		216-255	Automatic forward movement, out of the boundary to turn back
CH25	zoom	0-63	Manually adjust the size
		64-127	amplify
		128-191	reduce
		192-255	Circular scaling
CH26	Gradual drawing	0-10	No drawing
		11-74	Manual adjustment and gradual drawing
		75-104	Automatic gradient (add)
		105-144	Automatic gradient (minus)
		145-184	Automatic circulation gradually drawing
		185-224	End-to-end cycle (add)
		225-255	End-to-end cycle (minus)
CH27	wave	0	No waves
		1-127	x wave
		128-255	y wave
CH28	Shake your head and reset	0-250	all-or-none
		251-255	Keep in this position for 3 seconds to start the reset