

使用说明书

(30ch/52ch)

OPERATING INSTRUCTIONS

保修卡

WARRANT OF REPAIR



WITC[®]
SEA LIGHT



Thank you for your interest and support in our
company's products!

User Manual for Indoor Head-Shaking Laser Light Therapy

(Read the product instructions carefully before use)

catalogue

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Product Warranty Card

product name	product model

 ultimate user name of organization : address : contacts : telephone :
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date of manufacture	User purchase date

Sell products

contacts :

Phone:

Seal

Note: All blank fields above must be truthfully completed and stamped by the end user and the seller; otherwise, No warranty for damage caused by anger. statement

This product undergoes rigorous quality inspection in the factory, demonstrating excellent performance and intact packaging. All users must strictly adhere to the aforementioned warnings and operating instructions. Any misuse resulting from product damage shall not be covered under our warranty. Malfunctions or issues arising from negligence in operating the manual or dealer during any operational procedure may cause laser-related harm to the human body, for which the company assumes full responsibility.

Warranty provisions

1. The free warranty period is 24 months from the date of purchase, provided the device is used in accordance with the user manual under normal conditions. In case of any malfunction, please contact the authorized sales store. When requesting repairs, you must present this warranty card. Failure to show the warranty card will result in the sales store withholding warranty services.

The following repairs will also incur charges during the warranty period:

- The unboxing label on the machine was intentionally torn off.
- Malfunctions and damages caused by failure to use in accordance with the instruction manual and operational precautions.
- Faults and damages caused by shaking during transportation after purchase.
- Faults and damages caused by users performing repairs, modifications, disassembly, or cleaning on their own.
- Component failure or operational malfunction caused by abnormal voltage.
- Defects and damages occurring after purchase due to fire, natural disasters, earthquakes, etc.
- The warranty card does not record or alter the purchase date, user name, or store name, and may lack the official seal of the sales store.

- Faults and damages caused by connecting other devices.
3. We shall not be liable for any failures in other connected devices caused directly or indirectly by this product's malfunction.
4. Please keep this card safe. No replacement will be issued if the warranty card is lost.

1. Based on the operational characteristics of all-solid-state lasers, prolonged operation should be avoided. After continuous use for 3 hours, the laser lamp should be turned off for 15 minutes to allow cooling before reuse.
2. Do not touch the reflective lens inside the laser projection window with your hands.
3. High pressure inside the device. Do not disassemble the laser lamp without professional guidance.

Note: Damage caused by human activities or natural disasters is not covered by the warranty.

Dear user:

This product integrates multiple cutting-edge technologies including optics, electronics, and digital graphics processing, specifically designed and manufactured for dance halls and DISCO venues. The built-in light beam programs are triggered by musical rhythms, and when combined with smoke, they can form a light curtain effect.

With effects like the Time Tunnel, we create an intense and unique spatial lighting atmosphere, showcasing the vibrant world of lasers to you.

● container loading list

- 1 complete performance system unit, 1 international power cord
- 1 copy of the instruction manual, 1 DMX512 signal cable

●Product Specifications and Features:

1. The product employs high-brightness color lasers with the latest technology, featuring advantages such as compactness, portability, stability, reliability, and long service life.
2. The animated laser performance utilizes a high-capacity single-chip microcontroller system and high-performance optical scanning galvanometer to create vivid and spectacular laser text, patterns, and animation effects.
3. Features 128 built-in beam effects specifically designed for Disco applications.
4. Multiple playback modes are available: voice-triggered operation, console manual control, DMX512 signal control, PC control, and laser control software system, meeting diverse application requirements.

5. Fully compatible with the internationally recognized DMX512 signal standard, featuring 28 control channels for flexible client operation.
6. Through master-slave configuration, multiple devices can operate synchronously.

● technical parameter :

Control signal: International standard DMX-512 signal channel

Control method: DMX-512 signal control, self-propelled mode, sound mode, master-slave mode

Power supply: 90-250V-50/60Hz

Dispersion angle: $\pm 30^\circ$

Outdoor temperature range: -20°C to 40°C (Built-in thermostat system with automatic temperature adjustment)

Control modes: Voice, Auto, DMX, ILDA (compatible with all major laser control software)

Channel: 28 channels/SD laser control system. First, the panel displays: DMX address
DMX address

Working Mode: Current operation mode File: Current working file

Version: Software version

In the main panel, click the button to enter the menu.

In the main panel, under ILD and PRG modes, double-click the button to change the folder.

After entering the menu, you can exit by double-clicking the button.

Display two menus

DMX address configuration (1-512)

Display mode operation mode automatic PRG ILD sound

Prg Mode: Playlist mode. Plays PRG files. The second line displays the current playlist name.

ILDA mode: ILDA playback mode that loops through an ILDA file (ILD extension, case-insensitive)

Audio mode: Voice mode, plays the internal voice control program.

Auto mode: Plays the internal auto program automatically.

Phase setting: Adjust phase by pressing "UP" and "DOWN".

Sound: Sensitivity range 0-100

Select SD card folder

Dimensional drawing size settings 10-100

The Phaseic setting adjusts phase and graphic orientation, modifying only the native program's phase.

Adjust playback speed settings according to the galvanometer speed parameters. Avoid setting it too high, as this may damage the galvanometer.

DMX status configuration: When DMX is not enabled, the system operates in default mode.

Play according to the display mode

Lock before deactivating the output HOLD state

X-axis from pattern: From pattern settings

Slave: Operating in slave mode, controlled by the master when receiving input signals.

Master: Host mode, plays the host output signal. Only one host can be used per system to prevent signal interference.

The X-stage segment configuration modifies both local and external ILDA input stages.

Y-phase setting, which adjusts the phase of both local and external ILDA inputs.

When the laser locking illumination function is activated.

warn

1. Before performing any installation or maintenance work, ensure the power supply is disconnected.
2. This lamp has a laser hazard classification of Class III B. Direct observation within the beam is hazardous. The minimum exposure distance is 13 cm, and exposure duration should not exceed ten seconds to ensure safety.
3. Maintain a distance of more than 100 meters between lighting fixtures and combustible materials.
4. This lamp requires a power supply voltage of $220/110 \pm 10\%$ V. If the voltage exceeds this range, a voltage stabilizer is recommended to avoid significantly reducing the laser lifespan.

tending

Perform regular product maintenance. Prolonged use of lighting fixtures may cause dust accumulation on the lens surface near the light output port, which reduces laser output power. Clean the lenses using lens paper or alcohol-soaked cotton swabs to optimize light efficiency. Avoid using wet cloths or chemical solvents for cleaning. Cleaning frequency should be determined based on fixture usage frequency and surrounding environment, with a recommended interval of 20 days. Regularly wipe the machine housing surface with clean towels and inspect for fan cleanliness.

Common Product Fault Comparison Table

failure cause	Main Fault Analysis and Solutions
The lamp does not emit light inoperation	1. Check whether the power cord is connected to the lamp and whether the power fuse is blown. 2. Does the input voltage match the specified voltage of the

	lamp?
Lamp fails to respond to voice command	1. The potentiometer may be set to the minimum value. Try adjusting the potentiometer again.
The lamp emits light normally, but not controlled by the controller	1. Check whether the DIP starting address code setting for the lamp is correct 2. Check whether the XIR signal line is damaged
Master-slave synchronization mode: The master is normal, but the slave is abnormal	1. Only one host should be used. The host must not be connected to a DMX console. Set to voice control or auto mode. 2. The host setup is correct but the issue persists. Check the network cable.
Key malfunction, no effect	1. Check whether any buttons have failed to reset properly.
Dim light with significant reduction in brightness	1. Check whether the bulb or laser tube has reached its service life. 2. Inspect internal and external optical lenses for stains and maintain cleanliness.

install

1. Before installation, ensure your power supply voltage matches the voltage rating specified on the lamp.
2. Professional installation personnel are required to securely and reliably fix the lighting fixtures, clamp them in place, and adjust them to the appropriate illumination angle.
3. During installation of this equipment, ensure there are no highly flammable or explosive materials (such as decorations) within a minimum distance of 0.5 meters, and maintain a clearance of at least 30 centimeters between the luminaire and the wall.
4. Ensure that the ventilation fan and exhaust duct are not obstructed by other equipment or decorative materials.
5. For safety reasons, use a safety steel rope capable of withstanding 10 times the weight of the luminaire when passing through the safety device. Use the rope connection hole for auxiliary lifting. Installation instructions: For safety reasons, proper grounding of the ground wire is crucial.

matters need attention :

1. Strictly follow the procedures specified in this operating manual. Do not disassemble the luminaire without authorization. In case of malfunction, seek repair from a qualified professional.
2. This product is intended for indoor use only and must be waterproof, moisture-resistant, and shockproof. Do not use in dusty environments.
3. Based on the characteristics of semiconductor lasers, a stable operating

environment at temperatures of 15–30°C is required. After continuous operation for 10 hours, the lamp must be turned off for 10 minutes to allow complete laser cooling before reuse; otherwise, the service life of the laser will be shortened.

4. For fixed installation, take precautions to prevent the lamp from experiencing strong vibrations or impacts. Avoid shaking during use. The distance between the lamp and the illuminated object should be maintained at more than 500 meters.
5. Prevent foreign bodies from entering the body to avoid malfunctions.
6. When operating this device, ensure that the exhaust passage is unobstructed for proper ventilation.
7. Before powering on, check if the plug is securely inserted and ensure the power supply is properly grounded to prevent electric shock.
8. Avoid frequent switching to prevent reduced lifespan of the laser lamp, and minimize prolonged operation.
9. The repair stickers must not be removed, otherwise our company will not be responsible for the repair.
10. Avoid observing laser sources with long-range viewing equipment, as this may increase the risk.
11. Do not touch the product or pull the power cord forcefully when your hands are wet.
12. This lamp contains no user-repairable components inside. Do not open the lamp.
13. If the brightness of the semiconductor laser significantly decreases or other damages occur, contact the dealer promptly.
14. During re-transportation, take precautions against vibration and preferably use the original packaging.

Red power supply, self-propelled, voice-controlled, active infrared detection (ILD), and red power supply in PRG mode.

The vehicle operates on green power when using autonomous driving mode, voice control, ILD, or PRG mode.

The Blue Power self-propelled vehicle displays blue power status when operating in voice-controlled, ILD, or PRG modes.

● direction for use

1. Select work mode:

When the PC key switch is set to ON, the system enters PC control mode.

The system utilizes Pangolin software to control laser performance programs. When the PC's power switch is turned off, the system selects different operating modes through function keys.

Press the MODE button to display the following in sequence:

"0000" → "Auto" → "d001" → "SLAV"

"0000": represents the number of system switch hours

By powering on both the laser light and DMX console, you can freely control various

functions including color, patterns, and speed adjustments through the console.

Power Supply and Signal Connection

voltage	AC100-240V		AC100-120V	AC200-240V
select and use				
frequency	50HZ	60HZ	50HZ—60HZ	
select and use				

Connection and Control of Lamp Power Supply

Connect the laser lamp to the main power supply line using a dedicated plug, and ensure that the voltage and frequency indicated on the label match those of the power supply.

Channel table content:

channel	function	numeric value	explain
CH1	x	0-255	X shift
CH2	xFine	0-255	X fine-tune movement
CH3	xRun		Controlled by the "X Movement" - "X Fine-Tuning Movement" channel, covering 0-540 degrees
		0-127	
		128-189	Clockwise from fast to slow
		190-193	cease

		194-255	Countdown from slow to fast
CH4	y	0-255	Y shift
CH5	yFine	0-255	Y fine-tuning movement
CH6	yRun		Controlled by the "Y Movement" - "Y Fine-Tuning Movement" channel for 0-180 degrees
		0-127	
		128-189	Clockwise from fast to slow
		190-193	cease
		194-255	Countdown from slow to fast
CH7	speed	0-255	XY speed from slow to fast
channel	function	numeric value	explain
CH8	Head-shaking reduction	0-250	all-or-none
		251-255	Retain this position for 3 seconds to initiate reset

CH47	Center rotation	2	0	Non-Rotation
			1-127	hand regulation
			128-191	Rotate automatically clockwise
			192-255	Rotate automatically counterclockwise
CH48	X Auto Move The "X Mobile" channel only works when it is set to 0	2	0-63	Automatic forward movement, out-of-bound crossing
			64-127	Automatic cyclic motion
			128-191	Automatic reverse movement, disappears after exiting the boundary
			192-255	Automatic forward movement, out-of-bound return
CH49	Y-axis auto movement	2	0-63	Automatic forward movement, out-of-bound crossing

	The "Y Mobile" channel only works when it is set to 0		64-127	Automatic cyclic motion
			128-191	Automatic reverse movement, disappears after exiting the boundary
			192-255	Automatic forward movement, out-of-bound return
CH50	zoom	2	0-63	Adjust size manually
			64-127	amplify
			128-191	reduce
			192-255	Zoom cyclically
CH51	Gradient Paint	2	0-10	No gradual rendering
			11-74	Manual adjust gradient fill
			75-104	Auto Fill (Plus)
			105-144	Auto Fill (Subtract)
			145-184	Auto Cycle Gradient Paint
			185-224	Loop fill with head-to-tail connection (enhanced)
			225-255	Loop fill with head-to-tail connection (reduced)
CH52	wave	2	0	No waves
			1-127	x wave
			128-255	y wave

channel	function	channel set	numeric value	explain
CH35	Chart Group select	2	0-49	Static group of images, 1 group for every 5 values
			50-99	Self-propelled effect group, 1 group for every 5 values
			100-199	SD card effect group, 1 group for every 5 values
			200-255	Built-in storage effect group, 1 group for every 10 values
CH36	figure	2	0-255	1 graphic per every 3 values
CH37	Red light	2	0-255	Red light transitions from dark to bright

	modulation			
CH38	Green light modulation	2	0-255	The green light transitions from dark to bright.
CH39	blue light modulation	2	0-255	Blue light transitions from dark to bright
CH40	pigment	2	0-1	primary colours
			2-22	7 solid colors: red, green, blue, yellow, cyan, purple, and white
			23-25	7 solid color variations
			26-46	7-color (see table below for details)
			47-49	7-stage color variation
			50-154	Color Palette
			155-255	Color Segment Flow
CH41	strobe flash	2	1 ~ 255	Selection of strobe speed, from fast to slow
CH42	X shift	2	0-255	Adjust position manually
CH43	Y shift	2	0-255	Adjust position manually
CH44	Display mode	2	0-63	Normal display
			64-127	Highlights
			128-191	Display at 4:00 PM
			192-255	Display at 8 o'clock
CH45	X overturn	2	0	No flip
			1-127	hand regulation
			128-191	Flip automatically clockwise
			192-255	Automatically flip counterclockwise
CH46	Y overturn	2	0	No flip
			1-127	hand regulation
			128-191	Flip automatically clockwise

channel	function	channel set	numeric value	explain
CH9	Switch light	1	0-10	douse the glim
			11-255	Light brightness: 1-100%
channel	function	channel set	numeric value	explain
CH10	LED effect	1	0-10	LED light-off mode
			11-255	Select LED effects. Choose one effect per value.
CH11	LED effect	1	0-128	Manual LED effect position

	position and speed		129-170	Positive and negative circulation action, with speed decreasing from fast to slow
			171-212	Forward motion, with speed decreasing from fast to slow
			213-255	Reverse motion, with speed decreasing from fast to slow
CH12	LED stroboflash	1	0 ~ 255	Select LED strobe speed from fast to slow
channel	function	channel set	numeric value	explain
CH13	Chart Group select	1	0-49	Static group of images, 1 group for every 5 values
			50-99	Self-propelled effect group, 1 group for every 5 values
			100-199	SD card effect group, 1 group for every 5 values
			200-255	Built-in storage effect group, 1 group for every 5 values
CH14	figure	1	0-255	1 graphic per every 3 values
CH15	Red light modulation	1	0-255	Red light transitions from dark to bright
CH16	Green light modulation	1	0-255	The green light transitions from dark to bright.
CH17	blue light modulation	1	0-255	Blue light transitions from dark to bright
CH18	pigment	1	0-1	primary colours
			2-22	7 solid colors: red, green, blue, yellow, cyan, purple, and white
			23-25	7 solid color variations
			26-46	7-color (see table below for details)
			47-49	7-stage color variation
			50-154	Color Palette
			155-255	Color Segment Flow
CH19	stroboflash	1	1 ~ 255	Selection of strobe speed, from fast to slow
CH20	X shift	1	0-255	Manual position adjustment (the "X Auto Move" channel only works when set to 0)
CH21	Y shift	1	0-255	Manually adjust position (the "Y Auto Move" channel only works when set to 0)

CH22	Display mode	1	0-63	Normal display
			64-127	Highlights
			128-191	Display at 4:00 PM
			192-255	Display at 8 o'clock
CH23	X overturn	1	0	No flip
			1-127	hand regulation
			128-191	Flip automatically clockwise
			192-255	Automatically flip counterclockwise
CH24	Y overturn	1	0	No flip
			1-127	hand regulation
			128-191	Flip automatically clockwise
			192-255	Automatically flip counterclockwise
CH25	Center rotation	1	0	Non-Rotation
			1-127	hand regulation
			128-191	Rotate automatically clockwise
			192-255	Rotate automatically counterclockwise
CH26	X Auto Move	1	0-63	Automatic forward movement, out-of-bound crossing
			64-127	Automatic cyclic motion
			128-191	Automatic reverse movement, disappears after exiting the boundary
			192-255	Automatic forward movement, out-of-bound return
CH27	Y-axis auto movement	1	0-63	Automatic forward movement, out-of-bound crossing
			64-127	Automatic cyclic motion
			128-191	Automatic reverse movement, disappears after exiting the boundary
			192-255	Automatic forward movement, out-of-bound return
CH28	zoom	1	0-63	Adjust size manually
			64-127	amplify
			128-191	reduce
			192-255	Zoom cyclically
CH29	Gradient Paint	1	0-10	No gradual rendering
			11-74	Manual adjust gradient fill
			75-104	Auto Fill (Plus)
			105-144	Auto Fill (Subtract)

			145-184	Auto Cycle Gradient Paint
			185-224	Loop fill with head-to-tail connection (enhanced)
			225-255	Loop fill with head-to-tail connection (reduced)
CH30	wave	1	0	No waves
			1-127	x wave
			128-255	y wave
channel	function	channel	numeric value	explain
CH31	Switch light	2	0-10	douse the glim
			11-255	Light brightness: 1-100%
channel	function	channel	numeric value	explain
CH32	LED effect	2	0-10	LED light-off mode
			11-255	Select LED effects. Choose one effect per value.
CH33	LED effect position and speed	2	0-128	Manual LED effect position
			129-170	Positive and negative circulation action, with speed decreasing from fast to slow
			171-212	Forward motion, with speed decreasing from fast to slow
			213-255	Reverse motion, with speed decreasing from fast to slow
CH34	LED stroboflash	2	0 ~ 255	Select LED strobe speed from fast to slow