

COLD LASER

THERAPY DEVICE



Tri-Wave
Tech



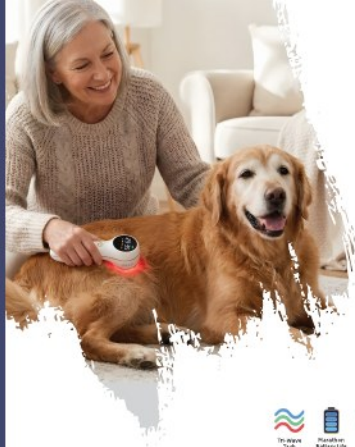
Maximized
Battery Life



Active
Cooling



Magnetic
Protective Cover



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User Manual

Cold Laser Therapy Device

Model: CL-01

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1. Important Safety Warnings &

Precautions

Read this manual carefully before use. Improper use may result in injury or device damage.

● Laser Safety:

- NEVER look directly into the laser aperture or view the laser beam with optical instruments.
- NEVER point the laser at your own or others' eyes.
- Always turn the device off when not in use.

● Intended Users:

- CONTRAINDICATED for users with pacemakers. The device may interfere with pacemaker operation.
- Keep out of reach of children. To prevent eye injury, do not allow children to use or play with the device.

● Usage Environment:

- The device is not waterproof. Do not use in bathrooms, near water, or in damp conditions.



- Operating Environment: Ensure the area is clean, dust-free, and well-ventilated. Do not use in flammable or explosive atmospheres.
 - Avoid use near strong sources of electromagnetic interference (e.g., mobile phones, radios).
 - Device Maintenance:
 - Only personnel authorized by the manufacturer may perform internal repairs or maintenance.
 - Do not disassemble or attempt to repair the device yourself.
-

2. Contraindications

Do not use this device if you or the intended treatment subject have any of the following conditions:

- Pregnancy
- Cancer (particularly malignant tumors in the treatment area)
- Hemorrhagic diseases or coagulation disorders
- Diabetes (use only under medical supervision)
- Keloid predisposition or history of abnormal scarring
- History of epilepsy or photosensitivity/seizure disorders
- Taking photosensitizing medications

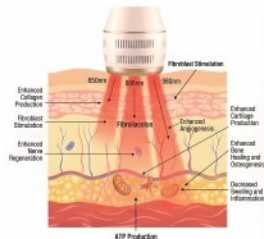
- Malignant skin lesions in the treatment area
- Recently tanned skin that cannot avoid sun exposure post-treatment

Consult a physician or veterinarian before use if you are unsure about any condition.

3. Product Introduction & Intended Use

- **Intended Use:** This device is designed to assist in pain relief, reduce inflammation, improve local blood circulation, and promote wound healing based on the principles of photobiomodulation (low-level laser therapy).
- **Technology:** This device utilizes an advanced triple-wavelength system.
- **650nm Red Laser Light:** Targets superficial tissue, reducing inflammation and promoting skin health and wound healing. It is ideal for stimulating acupuncture points and treating surface-level conditions.
- **808nm Infrared Laser Light (invisible for human eyes):** Provides deep tissue penetration to effectively address pain and inflammation in muscles, ligaments, and joints, such as arthritis, hip dysplasia, and sprains.

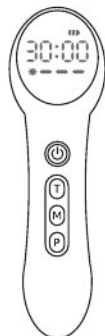
- **980nm Infrared Laser Light (invisible for human eyes):** It offers an optimal balance between deep penetration and superior absorption by water and hemoglobin. This makes it exceptionally effective for treating deeper inflammatory conditions, reducing swelling (edema), and promoting healing in areas with rich blood supply, through enhanced photobiomodulation and gentle thermal effects.



- **Included Components:** Main Host Unit, Type-C USB Charging Cable, Power Adapter, Protective Goggles, User Manual.

Product List

The device mainly consists of a host, a Type-C USB cable, a plug, and a magnetic protective cover.



Host



Magnetic
protective cover



Type-C USB cable



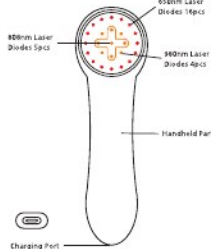
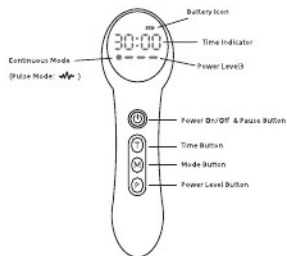
American plug

or



European plug

Product Structure:



Signs

According to the EN 60825-1 standard, each Class 3R Laser product must be accompanied by a radiation warning sign and a radiation declaration sign.



Laser Hazard



Radiation Declaration

Description



No littering



CE mark



Keep dry



Avoid dryness



Fragile



Upward

Specifications

Laser Medium	GaAlAs semiconductor
Laser Wavelength	980nm $\pm$ 10nm {4PCS} 808nm $\pm$ 10nm {5PCS} 650nm $\pm$ 10nm {16PCS}
Maximum Output Power per 980nm Laser Diode	200mW $\pm$ 20%
Maximum Output Power per 808nm Laser Diode	200mW $\pm$ 20%
Maximum Output Power per 650nm Laser Diode	5mW $\pm$ 20%
Total Output Power	1880mW $\pm$ 20%
Working Mode	Continuous/Pulse

Time Setting	10 to 60 minutes, 5-minutes as an interval
Battery Capacity	7000mAh lithium battery
Charging Port	DC 5V, 2A
Environment Temperature	5°C ~ 30°C
Relative Humidity	20 ~ 80%
Atmospheric Pressure	860hPa ~ 1060 hPa
Adapter Output	DC 5V = 2A
Adapter Voltage	AC100 ~ 240V
Net Weight	306g $\pm$ 5g

4. Operating Instructions

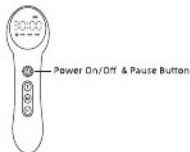
4.1 Preparation

- Ensure the device is fully charged before first use.
- Clean the treatment area and the device's laser aperture.
- Put on the protective goggles before treatment.

4.2 Power On/Off

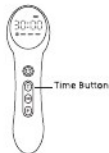
- To Turn On: Press and hold the  button for 2 seconds. You will hear a beep. All icons will briefly illuminate on the LED screen before displaying the default settings (e.g., 20 minutes, Continuous Mode, Level 2).

- **To Turn Off:** Press and hold the  button for 2 seconds until the device beeps and powers down.
- **Auto Shut-off:** The device will automatically turn off after 1 minute of inactivity to conserve battery.

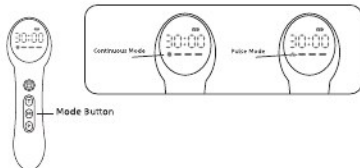


4.3 Parameter Settings

- **Time Adjustment:** Briefly press the  button to cycle through treatment duration options (e.g., in 5-minute increments, typically from 10 to 60 minutes).



- **Mode Selection:** Briefly press the  button to toggle between Continuous output  and Pulsed output .



- **Power Level Adjustment:** Briefly press  buttons to adjust the laser output intensity (typically 3 levels).



4.4 Starting/Pausing Treatment

- **Start:** After setting parameters, briefly press the  button to begin treatment. The laser will emit, and the timer will count down on the screen.
- **Pause:** During treatment, briefly press the  button again to pause laser emission and timer countdown.
- **Note:** Treatment time cannot be adjusted during treatment, treatment mode and power level can be altered during treatment.

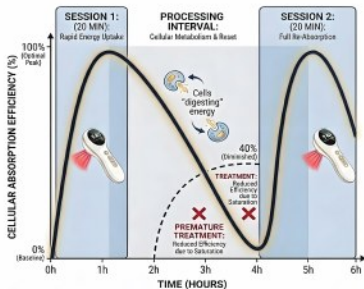
4.5 Charging

- Connect the provided power adapter to the device using the Type-C cable.
- Charge the device when battery light indicator shows one bar and 3 beeping sounds are emitted.
- **Initial Charge:** For the first three charges, allow the battery to drain completely and then charge for **at least 10 hours**.
- **Long-Term Storage:** If the device will not be used for an extended period, charge it fully at least every **4-6 months** to maintain battery health.

5. Treatment Guidance

- **Frequency:** For the best therapeutic effect, it is recommended to use it continuously for 3 months, 2 times a day, with an interval of at least 4 hours between each use.

THE SCIENCE OF CELLULAR ABSORPTION CYCLES & DOSING INTERVALS



KEY PRINCIPLE



Cells require time to process absorbed light energy. Re-treating before the 4-hour interval leads to 'saturation', significantly reducing the therapeutic effect. The interval ensures cells are fully receptive for the next session.



- Duration: 20 minutes per session is commonly recommended (adjust based on specific condition and comfort).
- Application: Place the laser aperture with magnetic protective cover directly on the treatment area or hold it 0.5 inch without magnetic protective cover above the treatment area.
- For Pets: It's optional to remove the hairs to expose skin for best results in furry areas.
- Note: Consistency is key, a course of treatment often lasts 4 weeks. And Improvements are cumulative.
- Post-Treatment: Mild thirst or slight dizziness is normal. If discomfort occurs, reduce duration or power level in subsequent sessions.

	Symptoms for Human	Treatment Time	Mode	Power Level
	Neck/Shoulder Pain	10-15 Minutes	Continuous	Level 3
	Upper/Lower Back Pain	15-20 Minutes	Pulsed	Level 3
	Muscle, Bones	15-20 Minutes	Pulsed	Level 3
	Wrist, Knee, Joint	15-20 Minutes	Pulsed	Level 3
	Heel Spur	15 Minutes	Continuous	Level 3
	Tennis Elbow	20 Minutes	Pulsed	Level 3
	Wound Healing	10-15 Minutes	Continuous	Level 2
	Sports Injuries	10-15 Minutes	Continuous	Level 3
	Arthritis, Tendinitis	15-20 Minutes	Pulsed	Level 3
	Inflammation	15 Minutes	Continuous	Level 2
	Carpal Tunnel Syndrome	15-20 Minutes	Pulsed	Level 3
	Myofascial Pain Syndrome	15-20 Minutes	Pulsed	Level 3
	Scoliosis	15-20 Minutes	Pulsed	Level 3
	Plantar Fasciitis	20 Minutes	Pulsed	Level 3
	Achilles Tendinitis	10-15 Minutes	Pulsed	Level 3
	Nerve Regeneration	15 Minutes	Continuous	Level 3

	Symptoms for Pets	Treatment Time	Mode	Power Level
	Pain Relief	15 Minutes	Continuous	Level 3
	Open Wounds, Injuries	20 Minutes	Continuous	Level 2
	Acute&Chronic Otitis	15 Minutes	Pulsed	Level 3
	Degenerative Disc Disease	20 Minutes	Pulsed	Level 3
	Hip Dysplasia	15-20 Minutes	Pulsed	Level 3
	Degenerative Joint Disease	20 Minutes	Pulsed	Level 3
	Hot Spots Dermatological Disorders	15-20 Minutes	Pulsed	Level 3
	Arthritis Lick Granulomas	15 Minutes	Pulsed	Level 3
	Anal Glands	20 Minutes	Pulsed	Level 3
	Musculoskeletal Abnormalities	15 Minutes	Pulsed	Level 3
	Paw Pads Swelling Up	15-20 Minutes	Pulsed	Level 2
	Gingivitis Periodontal Disease	20 Minutes	Pulsed	Level 3
	Inflammation, Ear Infections	20 Minutes	Continuous	Level 2
	Soft Tissue Trauma	15-20 Minutes	Pulsed	Level 2
	Nerve Regeneration	15 Minutes	Continuous	Level 3

6. Maintenance & Care

- **Cleaning:** Wipe the external surface with a soft cloth slightly dampened with a neutral cleaner. Clean the laser aperture gently with a cotton swab moistened with medical alcohol. Do not use abrasive cleaners or submerge any part of the device.
- **Storage:** Store in a cool, dry place away from direct sunlight, high temperatures, and humidity. Do not store with sharp objects that could scratch the device.

7. Troubleshooting

Problem	Possible Cause	Solution
Device will not turn on	Battery is depleted	Connect to charger and allow to charge
No laser output	Treatment not started	Press Power button briefly to start treatment after settings are configured
Device does not respond	Too cold/hot; Needs reset	Use within specified temperature range. Try charging.
Charging indicator not on	Loose cable or faulty adapter	Check all connections. Try a different power outlet.

If problems persist, contact authorized service personnel.
Do not disassemble the device.

8. Warranty Information

- The device host is warranted against manufacturing defects for one (1) year from the date of purchase.
- This warranty does not cover:
 - Damage from misuse, accident, or unauthorized modification.
 - Damage from neglect or failure to follow instructions.
 - Consumable parts or cosmetic damage.
 - Devices without a valid proof of purchase.

Thank you for choosing our product!
For customer support, please contact us at
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