

# LASER SKIN CARE DEVICE User Manual



Please read the following instructions before using this device.

## I、INTRODUCTION

This product is a handheld nursing device that adopts the dual-wavelength combination technology of 650nm red light and 808nm infrared light. Through photobiomodulation, it promotes skin metabolism, improves blood circulation, accelerates tissue repair, and exerts anti-inflammatory effects, thereby accelerating the healing process. The device supports power adjustment and timing reminder functions, is equipped with a full-screen timer and a Type-C fast-charging interface, and is suitable for both household and professional medical scenarios.

This nursing device measures 245mm in length, 64mm in width and 42mm in height. It is compact and portable, making it convenient for daily use and carrying.

## II、PRODUCT STRUCTURE



## III、CORE COMPONENT PARAMETERS

### LIGHT SOURCE PARAMETERS

○Red light wavelength: 650±10nm

○Infrared light wavelength: 808 ± 10nm

○Align vertically with the skin at a distance of 5-10 cm, avoiding beam tilt or contact with the skin surface.

Do not perform treatment on clothing or any creams/ointments/dressings.

Feeling warmth during use is a normal phenomenon.

## IV、APPLICABLE AREAS

**○Neck, limbs and other exposed skin areas (avoiding eyes and mucosal tissues)**

Laser Medium	Laser Semiconductor
Laser Wavelength	650nm±10nm 808nm±10nm
Number of Laser Diodes	18 pcs of 650nm Laser Diodes* 3 pcs of 808nm Laser Diodes*
Maximum Output Power of 808nm Laser Diode	90mW±20%
Maximum Output Power of 650nm Laser Diode	5mW±20%
Power Adjustment	L1/L2/L3/L4
Battery Voltage	DC 3.7V
Battery Capacity	1500 mAh
Ambient Temperature	5℃-40℃
Charging Voltage	DC 5V/1A

**Please Note: 808nm laser is invisible light.**

## V、OPERATION INSTRUCTIONS

### (1) Key Functions

- POWER Key:** Long press for 1.5 seconds to power on/off; short press for 0.1 second to cycle through working modes.
- Intensity Key:** Short press for 0.1 second to cycle through power levels.

### (2) Power Adjustment

This care instrument has 4 power adjustment gears, corresponding to four kinds of light intensities respectively. You can press the Intensity key to easily switch to the appropriate power gear according to your own care needs.

### (3) Working Modes

- Constant-on Mode:** Briefly press the power key for 0.1 second to turn it on. After that, the device will keep emitting light, with a timer set for 7 minutes, and it will automatically stop working after 7 minutes.
- Blinking Mode:** Briefly press the power key for 0.1 second to make it emit blinking light. It is timed for 15 minutes and will automatically stop when the time is up.

## VI、Charging Function Instructions

- Charging Restriction:** During charging, the device is prohibited from working. The screen turns off, and only the battery symbol is displayed to ensure charging safety.
- Charging Current:** The charging current is 5V1A, enabling fast charging.
- Battery Level Display:** When charging, the 4 battery level icons blink cyclically. After being fully charged, they stay constantly lit.

## VII、Low Battery Warning

When the battery voltage is lower than 3.3V, the device stops working. The battery frame blinks 3 times and then the device shuts down automatically. Please charge it in a timely manner to avoid affecting subsequent use.

## VIII、Precautions

- This product cannot replace medical diagnosis. For serious skin problems, please consult a professional physician.
- Minors should use this product under supervision to avoid misoperation.

## IX、 Safety Warning

### 1、 Laser Radiation Risk:

- The device is a Class 3B laser product. Direct viewing of the beam or shining it into others' eyes is prohibited.
- When operating, wear the protective glasses included with the product (wavelength filtering range: 400-1100nm).

### 2、 Contraindicated Groups:

- Pregnant women, photosensitive individuals, epilepsy patients, and areas with skin ulcers are prohibited from use.
- It is recommended to conduct a skin test before use to confirm no allergic reaction:
- Store and use this product out of the reach of children to prevent accidental operation by kids.
- Non-professionals are prohibited from disassembling or repairing this product to avoid potential hazards or device damage.

### 3、 CONTRAINDICATIONS

- The following diseases or symptoms are contraindications for using this product: metastatic tumors, high fever, vascular occlusion, eye diseases, malignant tumors, vascular compensation dysfunction, active tuberculosis, acute soft tissue infection, pregnancy, bleeding tendency, skin sensory disorders, skin allergies.
- Victims of acute injuries within 72 hours are not allowed to use this product.
- Patients with pacemakers, defibrillators, or other electronic implants are prohibited from using this product.

### 4、 WARNING

- Do not stare directly at the diode or its reflection in a mirror, as this may cause temporary eye irritation.
- Do not allow children to use these devices without supervision.
- Do not cover the device with any objects during operation.
- This device is an electrical appliance.  
**To avoid electric shock, please adhere to the following points:**
- Do not drop the device into water or liquids, as this may cause electric shock.
- Do not clean electrical components with water or liquids.
- Do not touch the device directly, or touch the plug or switch with wet hands.
- Do not apply the device to wet or damp skin, or touch it with wet hands. Do not pull, carry, or lift the device by its cord. If the power cord is damaged, do not

use the device, as this may cause electric shock.

Do not use the device if it has been dropped, left outdoors, or exposed to water or liquids.

- Do not use on or near heating surfaces.
- Do not operate this device in areas where it may come into contact with flammable or combustible products, or in areas where vapors may be generated. Explosion or fire may occur.
- Persons who are sleeping, unconscious, or intoxicated must not use this device.
- This device must not be used on persons with skin numbness caused by medication or other reasons.
- Do not use the device on open wounds, as heat may increase blood circulation and cause bleeding.
- Do not use together with liniments, ointments, and balms containing heat-generating ingredients, as this may cause skin burns.
- Using the device in any way other than as described in this manual will void the warranty and may cause serious injury. Do not modify, attempt to modify, or repair the device. There are no user-serviceable parts.
- **If any modifications are made to the device, appropriate inspections must be conducted to ensure continued safe use.**

### 5、 PHOTOSENSITIVITY

#### TEST THE SKIN’S PHOTOSENSITIVITY BEFORE STARTING TREATMENT:

- a. Power on the device.
- b. Place the device within 1/4 of the forearm skin area for 3 minutes.
- c. After 3 minutes, check the area. If the area turns red and the redness persists for more than 2 hours, your skin is photosensitive.
- d. Please stop using and contact your healthcare provider.

### 6、 PRECAUTIONS

- Avoid direct eye contact with the light.
- Keep out of reach of children to prevent eye injury.
- When using the device, overall health and exercise will help support and enhance your metabolism.
- When using the device, keep the light-emitting port clean. Otherwise, light loss during treatment will increase, reducing the effectiveness of the treatment.
- Symptoms that may occur after use, such as thirst, dry eyes, dizziness, or a rapid pulse, are normal.
- If the device has not been used for a long time, please ensure to charge it once every 4 to 6 months to protect and maintain the battery.

### 7、 IF YOU ARE IN THE FOLLOWING SITUATIONS, CONSULT A DOCTOR

### BEFORE USE:

- PREGNANCY.
- Taking medications known to cause photosensitivity.
- In any suspected or cancerous cases.
- Recently received steroid injections or used topical steroids.
- Do not use this device on infants.
- If you feel discomfort or have concerns about the device, stop using it immediately and contact your doctor.
- For indoor use only.
- Only use the provided power cord for charging.
- Unplug from the outlet when not in use to avoid tripping hazards.
- Do not pull the cord directly to unplug the plug. When unplugging, grip the plug itself, not the cord.
- If you encounter any difficulties in setting up, using, cleaning, or maintaining the device, please contact us.

## X、 Electrical Safety

- Do not place your device where it may fall or be pulled into water or other liquids.
- Do not expose your device to running water. If your device comes into contact with water or other liquids, or is completely submerged, unplug it immediately from the power outlet.
- Do not store your device in an environment with a temperature higher than or equal to 140° F (60° C).
- Do not use the device if it is damaged. Continued use of a damaged device may cause electric shock or injury.
- When not using the device, store it in a dry room to avoid excessive moisture, high temperatures, and dust.
- Do not use extension cords.

## XI、 Disclaimer

- This product is not intended to diagnose, treat, or prevent diseases. The product does not claim, represent, or warrant that it can cure any physical, skin, or mental condition. For any condition that requires medical attention, a qualified medical professional should be consulted.
- The company shall not be held legally liable for safety issues caused by improper use.
- The information in this booklet is intended solely for educational purposes. This information is not medical advice, nor is it a substitute for medical care or professional legal advice. Before making significant changes in diet, sun exposure, exercise, or any other lifestyle, a healthcare practitioner or other expert should be consulted. No liability shall be assumed if the information in this booklet is used for purposes other than education.

## XII、 Maintenance and Care

- 1、 Cleaning: Use a cotton swab moistened with a mild neutral detergent to clean the dirty surfaces of the device. Do not use organic solvents, gases, etc. for cleaning.
- 2、 Keep the device away from moisture, high temperatures, and direct sunlight to extend its service life.
- 3、 Do not place the device on hard objects to avoid scratching or damaging the laser.
- 4、 If the device is not used for a long time, charge it at least once every 4 to 6 months to facilitate battery maintenance. If the battery fails to function properly, it should be returned to the manufacturer for reactivation or replacement.
- 5、 If the device malfunctions, check the “Troubleshooting Instructions”. If the issue is not listed, contact an authorized service provider. Do not disassemble or repair the device yourself, as this may void the warranty.

### Troubleshooting Instructions

Problem	Cause	Solution
The device fails to start	1. Insufficient pressing time. 2. Low battery power.	1. Press and hold for more than 1.5 seconds. 2. Insert the power adapter to charge.
Some laser lights do not work	808nm laser is invisible light	It is a normal phenomenon that 3 of the 808nm lasers are not visible
Laser output is weak or absent	Damaged laser	Return the device to the factory for replacement or repair

## XIII、 Packing List

1	Main Unit of the Care Instrument	1 unit
2	Protective Eyewear	1 piece
3	Type-C Charging Cable	1 piece
4	Instruction Manual (including Warranty Card)	1 piece