



DUAL-USE LASER DEVICE



USER MANUAL

Thank you for purchasing MiraMate Dual-Use Laser Device. It is classified as a Class 3R Laser Product.

Please read the instruction carefully and make sure you understand the application range and correct operation of the device before use.

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PRODUCT INTRODUCTION

Product name: MiraMate Dual-Use Laser Device

Class of safety: Class 3R Laser Product

Safety Assortment: II Class Internal Electric Source BF

Therapeutic Method: Laser Extra Vascular Irradiation Therapy

Mechanism: 650nm noninvasive laser irradiation on the damaged tissue can help repair cells, promote blood circulation, and absorb inflammatory exudation and edema, improving immunity, detoxification, and metabolism to help treat various kinds of rhinitis diseases.

Therapeutic Effects: Help relieve allergic rhinitis, chronic rhinitis, nasosinusitis, atrophic rhinitis, otitis media, tinnitus, chronic pharyngitis, bronchitis, and tracheitis.

Adjunct Therapy: Improve blood viscosity, blood fat, and cardiovascular diseases.

Contraindication: The following conditions are strictly prohibited from use: pregnancy, cancer, and hemorrhagic diseases.

Usage: 2-3 times per day, 10-30 minutes per time for adults. Children under 10 years old and people over 60 years old should correspondingly reduce the use of time.

PARCEL CONTENT

After the user opens the therapeutic instrument package, the following components should be checked:

NAME	QUANTITY
Dual-use Laser Device	1
Product user manual	1
USB cable	1
Nasal Phototherapy Head	1
Patch Phototherapy Head	1
Tape	1

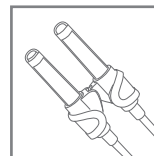
SPECIFICATION

Laser wavelength	650nm \pm 20nm
Maximum power of a single laser output	5mW \pm 10%
Terminal laser output mode	Continuous
Terminal laser output instability	$\leq \pm$ 10%
Horizontal beam divergence angle	Min: 5° Typical:9° Max:12°
Vertical beam divergence angle	Min: 30° Typical:36° Max:42°
Timing range	10 - 60 minutes adjustable, intervals in 10 minutes
Power range	3mW - 5mW adjustable, tolerance \pm 1 mW
Display mode	Liquid Crystal Display
Class of safety	Internal power supply equipment
Power source	Lithium battery
Battery voltage	DC5V
Input power	\leq 10VA
Working environment	Temperature 5°C - 40°C Relative humidity \leq 80%

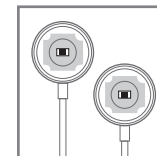
PRODUCT STRUCTURE

The product is composed of a host machine, nasal treatment laser probes, and pharyngitis treatment laser probes.

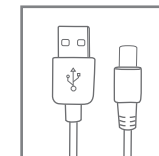
MiraMate Dual-Use Laser Device



Nasal
Phototherapy Head



Patch
Phototherapy Head



USB Cable

OPERATIONAL INSTRUCTIONS

Preparation before treatment:

For rhinitis treatment, use an alcohol wipe to sanitize the nasal probe before use. Insert the nasal probe into the front end of the nasal cavity. Insert the other end of the cable into the laser head socket of the device.

For pharyngitis treatment, fix the pharynx probe on both “Ren Ying” acupoints and insert the other end of the cable into the laser head socket of the device.

Turn on/off the device:

Short press the On/Off button to turn on the device. The power indicator light turns on and the screen will be on. Long press the On/Off button to turn off the device. When not in use, please place the product into a box and store it in a safe location.

Treatment:

After turning on the device, press the Time button to adjust the treatment time. A single press of the time button will increase the treatment time by 10 minutes. The maximum treatment time is 60 minutes.

Short press the Power button to select the intensity of treatment: Level 1, 2, and 3.

For adults, the suggested treatment setting is 30 minutes per session on Level 3, 2-3 sessions a day, and rest for more than three hours in between. For children and elders, the suggested setting is 10 minutes per session on Level 2.

Charging:

The device is equipped with a lithium battery. If you hear a beep sound from the device, it is a low battery warning. Please choose an appropriate charger provided by a trusted manufacturer (Specification: DC5C-1A) to recharge the device when low on battery. The charging time is around 2-3 hours. Please do NOT use the device while charging.

CAUTION, MAINTENANCE, AND TROUBLESHOOTING

1. Please read and follow the instructions carefully to ensure your safety.
2. This product is classified as a Class 3R laser product. NEVER irradiate the eyes directly. Laser light can cause sudden blindness and afterimage, especially in dark environments. Temporary visual interference or frightened reaction may occur, leading to various safety or health issues if the user works in high-risk occupations.

3. People who are light-sensitive or seriously ill should use the device with low power and short treatment time. The recommended schedule is less than 15 minutes each time and no more than twice a day.
4. The following conditions are strictly prohibited from use: pregnancy, cancer, and hemorrhagic diseases.
5. Please sanitize the probes using an alcohol wipe before and after use.
6. Please do not store the device in a humid or high-temperature environment. Avoid direct sunlight, strong magnetic fields, and microwave when using the device.
7. Please store the device in a place that children cannot reach.
8. Clean the surface of the device using an alcohol wipe. Do NOT clean it with organic solution, gasoline, etc.
9. Please be gentle when using the device. Avoid throwing or pressuring the device.
10. Do NOT disassemble the device by yourself or in an unauthorized workshop. Please contact our customer support team if the device needs to be adjusted or repaired.
11. If the phototherapy probes cannot light up during the treatment:
 - a) Check if you have correctly connected the probes to the device. Unplug the cable and replug it into the device.
 - b) If the display screen is also off, please follow the steps in the instructions and try again.
 - c) Please contact the customer support team if you encounter other types of errors.

Notice: It may cause harmful radiation if you do not operate or adjust the device according to the instructions.

STORAGE AND TRANSPORTATION CONDITION

- 1) Ambient temperature range: $-40^{\circ}\text{C} \sim +70^{\circ}\text{C}$;
- 2) Relative humidity range: $\leq 90\%$;
- 3) Atmospheric pressure range: $50 \text{ kPa} \sim 106 \text{ kPa}$.