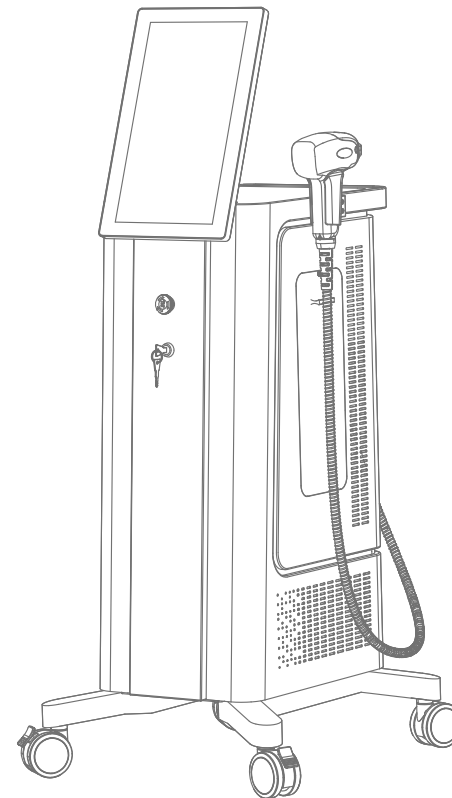


User Manual

HR-11K8



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Safety Precautions

- 1.Please read this manual carefully before use and familiarize yourself with the operation of this instrument and related technology.
- 2.This instrument is a high-precision electronic device that requires proper storage. Please avoid storing it in humid conditions, direct sunlight, or near flammables and explosives to prevent damage.
- 3.Always use the designated accessory provided or recommended by the manufacturer to ensure performance throughout its service life.
- 4.Do not place the instrument in high-temperature conditions, as this may negatively impact its service life and performance.
- 5.Do not apply the instrument on the thyroid, parathyroid, testicles, pregnant women's abdomen, pacemakers, etc.
- 6.Patients should refrain from using this instrument unless they have obtained permission from their doctor.
- 7.Ensure that the instrument is applied on moist skin and avoid the operation on dry skin.
- 8.Power off the instrument when not in use to ensure its safety.
- 9.To maintain hygiene and extend the instrument's service life, sterilize it with saline.

Contraindications

- 1.Individuals in the period of pregnancy and lactation, or those with heart disease, malignant tumor, folliculitis, vascular disease, severe hypertension, hyperlipidemia, hyperglycemia, or other serious medical conditions.
- 2.Persons with epilepsy, severe diabetes, and hyperthyroidism.

- 3.Individuals with abnormalities in collagen metabolism, including a history of scarring and poor wound healing.
- 4.Individuals with infections, herpes simplex, skin lesions, hematomas, or any other similar conditions at the treatment area.
- 5.People with unhealed surgical wounds.
- 6.People who are experiencing skin irritation.
- 7.Those with a pacemaker installed.
- 8.People who are photo-allergic and experience redness, swelling, and itching from sun exposure
- 9.Individuals who have undergone laser and RF treatment within the last 30 days at the treatment area
- 10.Children and teenagers under the age of 18.

Product Overview

1.Product Introduction

The 808nm semiconductor laser system utilizes a gold standard laser with a wavelength of 808nm. The semiconductor laser emits near-infrared light waves that penetrate deeply into the root of the hair follicle. This process heats the pigment within the follicle, spreading it throughout and enabling precise destruction of the hair follicle without causing damage to neighboring tissues. As a result, this system offers a permanent solution for hair removal.

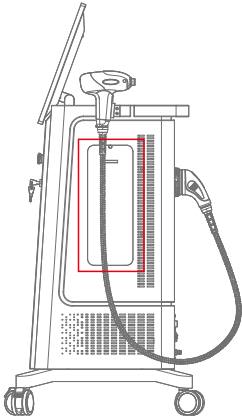
The advanced sapphire contact cooling system ensures a cool and comfortable user experience. This system comes with the advantages of a large treatment spot, high frequency, and fast treatment speed. It is suitable for use on all parts of the body and accommodates all skin colors.

2.Working principle

The 808nm wavelength laser effectively penetrates the skin, reaching the target tissue (hair follicle). The pulse duration is carefully set to ensure sufficient thermal damage to the target tissue while minimizing impact on surrounding tissues. The energy density is adjusted to provide a strong energy output within the appropriate time frame, damaging the target tissue while preserving normal tissue. Protective measures for the epidermis are in place to ensure that the treatment is safe, causing minimal impact on the epidermis. The semiconductor hair removal laser series incorporates a specially designed multi-pulse laser that operates in a lower energy density mode. This causes the hair follicles to heat up to 48°C . Through the applicator gliding treatment, the temperature is maintained for a specific period (10Hz state). This process leads to a reduction in the activity of hair follicles, ultimately achieving the goal of permanent hair removal.

Installation and Commissioning

Step 1: Assemble the applicator		1.Connect the applicator to the main unit and place it in the holder. (Ensure a secure connection between the applicator and the main unit; failure to do so may result in a blockage in the water-circulation system and damage to the applicator.)	Important
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Step 2: Filling water		1. Take the applicator off the holder, and unscrew the side plate as illustrated below; the affusion is located inside. On the back of the main unit, locate the outlet and overflow. Remove the seal covers from the affusion and overflow. Connect a funnel to the affusion and fill water (pure water or medical distilled water) until water flows out from the overflow. Put the covers back on the affusion and overflow, then screw the side plate.	Important
Step 3: Commissioning		Check for voltage suitability, and water leakage at the connector of the applicator and main unit. Plug in the power cable and turn on the power switch for the boot commission. Turn the emergency stop button clockwise (the button will pop up), turn the key clockwise, and press the switch on the front of the instrument to start the instrument.	Important


Interface Function

1. Welcome Interface shows up after connecting the power.




2. Function Interface

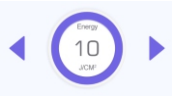


1) Tap  to enter the interface of the language setting, as shown below.

2) Select the user's gender



3) Choose the skin tone from,  ensure that the selected skin tone should be closest to the treated individual, then tap  enter the following interface.



Energy intensity display and set buttons (0-100J/cm²)

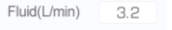


Pulse time display and set buttons (5-150ms)



Frequency display and set buttons (1-10Hz)

Flow Rate Monitor When it is lower than "2.0L/min," the system will automatically trigger an alarm. The displayed text will turn red and flash continuously, and the instrument will be forcibly stopped. The normal flow rate ranges from 3.2-4L/min; any value outside this range indicates an abnormality.



Water Temperature monitor, the normal working temperature should not exceed 30 °C. When it is abnormal, the displayed text will turn red and flash continuously, the operator should stop the operation and wait 5 -10 min until the water temperature is restored normally.



Handle Temperature Monitor: The handle can release flashes when the temperature is below '4.' As the operation progresses, if the temperature exceeds '30' or more, the displayed text will turn red and flash continuously, automatically disconnecting the handle from the operation. The operator should wait approximately 30-60 seconds until the temperature falls below 10°C, after which the instrument can resume normal operation.



Total shots



Used shots



Pause

Technical Specification

Laser Type	808-810nm Semiconductor Laser
Wavelength	800nm-810nm
Energy Level	10-100J/cm ²
Pulse Width	10-300ms
Operating Frequency	1-10Hz
Power of target strip	100W/target strip * 5 strips
Spot area	15mm×15mm
Output mode	Pulse mode
Conducting medium	Sapphire contact temperature: 0~5 °C.
Display	10.4-inch high-definition capacitive color screen
Cooling Method	Air-cooled + water-cooled + 300W TEC semiconductor refrigeration system
Output Power	800W
Input Voltage	220V±10% or 110V±10%

Product Dimensions	130×62×48cm
Package Dimensions	113×60.5×58.5cm
Gross Weight	79.6Kg
Net weight	58.4Kg

Component List

Main unit	1pc
Power cord	1pc
Fuse	2pcs
Laser applicator	1pc
Eyeglasses + eye mask	1pc of each
Funnel	1pc
Filter	1 set (built-in)
Applicator holder	1 set
User manual	1pc

Hair Removal Parameter Settings

(For reference only)

Area	Pulse Width (ms)	Energy (J/cm²)	Frequency (MHZ)	Session	Interval
Underarm	70-80ms	30-40J	2-3Hz	1-3 sessions	28-45 days
Lip hair	70-90ms	40-50J	1-3Hz	2-4 sessions	28-45 days
Arm	40-50ms	30-50J	3-5Hz	1-3 sessions	28-45 days
Leg	40-50ms	30-50J	3-5Hz	1-3 sessions	28-45 days
Bikini zone	80-90ms	30-50J	1-3Hz	1-3 sessions	28-45 days
Hairline	30-50ms	25-35J	1-3Hz	1-3 sessions	28-45 days

Note: Begin with an energy setting of 10J for individuals with light skin and hair, and adjust to 5-7J for those with darker skin or thicker hair.

Operation Guide

Underarm, Arm, Leg, and Bikini Zone Hair Removal

1.Effect

Remove unwanted hair from the treatment area.

2.Applicator operation

Preparation: Razor, disposable towels, tissues, gels, mask scraper

1.Parameters setting: Select the required function.

Recommended energy setting: 30-50J/CM²

Recommended PULSE TIME: 70-90ms

Recommended FREQUENCY: 1-5Hz

- 2.Shave the treatment area with the razor.
- 3.Clear away the shaved hair.
- 4.Apply a generous layer of gel to the treatment area.
- 5.Provide goggles for the client.
- 6.The operator must wear goggles as well.
- 7.Utilize a stamping technique to cover the entire area, starting horizontally and then moving vertically (5-8 times).
- 8.Scrape off the gel using the scraper and wipe away any residue with tissues.

3.Care after treatment

- 1.Follow a healthy daily routine after the operation, maintaining a balance between work and rest.
- 2.Avoid steam sauna, hot springs, swimming, and sun exposure for the next 7 days.

Lip, Hairline Hair Removal

1.Effect

Remove unwanted hair from the treatment area.

2.Applicator operation

Preparation: Wash basin, disposable bag, disposable washcloth, mask scraper, razor, make-up remover, cleanser, toner, essence, gel, facial mask, lotion/cream, sunscreen

- 1.Remove makeup and cleanse the skin.
- 2.Shave the treatment area with the razor.

- 3.Clear away the shaved hair.
- 4.Apply the gel uniformly with a thickness of around 0.5cm.
- 5.Provide goggles for the client.
- 6.Parameters setting
Recommended energy setting: 25-50J/CM²
Recommended PULSE TIME: 30-90ms
Recommended FREQUENCY: 1-3Hz

- 7.The operator must wear goggles as well.
- 8.Start at the chine area, and utilize a stamping technique to cover the entire area, starting horizontally and then moving vertically (5-8 times).
- 9.Scrape off the gel using the scraper and wipe away any residue.
- 10.Apply a mask to the face.
- 11.Cleanse face, 2 minutes.
- 12.Apply toner, essence, lotion/cream, sunscreen.

3.Care after treatment

- 1.If you have used topical A-acid ointment or blemish-removing products before the operation, it is recommended to discontinue the medication for 1 week before undergoing hair removal treatment.
- 2.Refrain from undergoing laser, dermabrasion, or fruit acid skin resurfacing beauty treatments one week before and after the operation.
- 3.After the operation, maintain a regular lifestyle and routine.

- 4. Apply at least one hydrating mask every day for one week after treatment and avoid using skincare products and cosmetics containing irritants such as fruit acids, salicylic acid, and alcohol.
- 5. Avoid steam sauna, hot springs, swimming, and sun exposure for the next 7 days.
- 6. Enhance sun protection by using physical sunscreen when going out, such as carrying an umbrella.

Use Precautions

- 1. Before using the instrument, use a plug with a grounding pin and ensure the power socket is grounded.
- 2. Ensure that the voltage of the instrument is adapted, if the local power supply voltage is unstable, we recommend that the user add a power-matched voltage-stabilized power supply between the mains and the instrument.
- 3. Remove all the metal objects from the treated individual's body to avoid unpredictable situations and affect the treatment.
- 4. The instrument is not intended for use by patients unless they have the permission of a doctor.
- 5. During the operation, ensure that the applicator does not remain in the same spot for an extended period to prevent skin burning. Keep the applicator close to the skin to prevent light leakage, which could impact the effectiveness of the treatment or cause skin burns.
- 6. Delay the treatment by 15 days if you have recently experienced sunburn or are planning to be exposed to the sun during a vacation.
- 7. Individuals with dark skin tones are advised to refrain from undergoing this type of treatment, as

- the dark skin may absorb a significant amount of laser light, potentially resulting in damage.
- 8. Not for use on eyebrows, eyelashes, and the eye area.
- 9. Always start the treatment at the lowest energy intensity to avoid skin burns caused by high-intensity energy. Gradually adjust the energy intensity until the treated individual experiences a noticeable sensation of heat.
- 10. Turn off the instrument for 5-10 minutes after continuous operation for 2 hours. This practice helps extend the service life of the device.
- 11. Both the operator and the treated individual must wear protective glasses to prevent eye burns.

Maintenance & Cleaning

- 1. Disconnect the power cord when not in use and store the instrument in a dry, cool, and well-ventilated place.
- 2. Clean and sanitize the handle with a damp cloth or saline, and then dry it thoroughly with a dry towel to ensure it remains dry.
- 3. After cleaning the instrument, cover it with a dustcloth or plastic wrap. Before use, ensure to sanitize the handle again for hygienic reasons.
- 4. Disassembling the instrument and attempting to clean the inside is strictly prohibited. This task should only be performed by professionals.

Troubleshooting

Symptom	Cause	Solution
The device fails to boot.	1.The fuse is burnt out. 2.The emergency button remains off.	1.Replace the fuse. 2. Turn on the emergency button.
After turning on the device, the treatment head lacks a cooling effect.	1.The cooling unit's battery is malfunctioning. 2.Insufficient connection between the applicator and the main unit. 3.The semiconductor cooling unit is defective. 4.There is air in the applicator or a blockage in the water-circulation system.	Contact the manufacturer for repair.
Water leakage in the light exit window.	1.The inner screws are loose. 2.The tube inside the treatment head is loose. 3. The light exit window is broken.	Take off the light exit window and contact the manufacturer for repair.
After turning on the instrument, the screen remains off.	1.The light exit window is damaged. 2.The key switch on the front side of the main unit is malfunctioning. 3.The battery is damaged.	Contact the manufacturer to identify the damaged part and arrange for the device to be sent back for repair.

The applicator doesn't work.	1.Poor contact of the button on the applicator. 2.Improper operation. 3.The button on the applicator is broken. 4.The battery inside the applicator is broken. 5.The shots of the applicator have been used up, or its service life has ended. Please replace it with a new applicator.	Contact the manufacturer to identify the damaged part and arrange for the device to be sent back for repair.
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FAQ

1.Is the outcome of 1 session of hair removal treatment permanent?

A: No. To achieve satisfactory hair removal results, it is essential to adhere to the full course of treatment. For laser hair removal, sessions are typically scheduled every 3 to 6 weeks, with the interval determined based on different body areas. Hair growth involves three cycles: growth, resting, and regression. Optimal hair removal occurs during the growth phase, and the growth cycles vary across different parts of the body. Tailored and effective treatment programs are developed based on individual factors such as hair growth, density, and specific areas.

2.Is the hair removal treatment harmful to the skin?

A: No, there is no damage; you can rest assured. Our instrument operates on the selective photothermal principle, using the light at a specific wavelength that targets only the melanin in the hair follicle. This process has no impact on the other tissues of the skin. In other words, the light in this band is exclusively absorbed by the melanin in the hair follicle, and since the surrounding skin lacks melanin, it remains unaffected and free from damage.

3.Will the skin become dull after the treatment?

A: No, the remaining hair after laser treatment will become finer and lighter in color, and it will not result in dull skin. Conversely, traditional hair removal methods such as shaving, pulling, depilatory creams, waxing, etc., when used over an extended period, may lead to thicker and darker hair.

4.Is this hair removal treatment suitable for everyone?

A: While this laser hair removal has a broad range of applications, it may not be suitable for all individuals. Those with the following conditions should refrain from using this device:

- (1)History of keloid scarring
- (2)History of existing infection or herpes simplex infection in the treatment area
- (3)Hair removal by other methods within 4 weeks
- (4)Allergy to benzene diols or other bleaching agents
- (5)Allergic constitution

5. Is there a preferred season for hair removal?

A: In general, laser hair removal involves no wounds, has no recovery period, and can be performed at any time. However, since multiple sessions are often required, it is advisable to start the treatment as early as possible to achieve and maintain smooth skin.

6.Can I sunbathe immediately after laser hair removal?

A: It is not advisable to sunbathe immediately after laser hair removal. Shaving during the treatment causes the hair follicles and skin cuticles to shed simultaneously, reducing the skin's surface protection mechanism. Therefore, immediate sun exposure is not recommended.

Warranty and support

We provide a one-year warranty and a three-month return and replacement policy from the date of purchase.

Product Name: _____

Product Model:

HR-11K8

Production Date: _____

Quality Inspection:_____

PASS