

**L&L Skin
IPL Hair Removal Device**

NAMI



User Manual

Please read this instruction carefully before use

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1. Product use and description

Indications for use: IPL Hair Removal Device is an over-the-counter device intended for removal of unwanted hair. The device is also indicated for the permanent reduction in hair regrowth, defined as the long-term, stable reduction in the number of hairs regrowing when measured at 6, 9 and 12 months after the completion of a treatment regime.

Device description:

--IPL Hair Removal is used for removing excess facial hair and body hair and can also reduce hair regrowth. The products can be used on body parts such as underarm, bikini line, arms, and facial hair below the chin line, back and legs

--Intense Pulsed light technology is able to achieve long-term hair removal results at a fraction of the energy level used in other light-based hair remover device. The low energy used while moving the hair removal device on the skin reduces its potential to cause harm or complications and contributes to your overall safety.

--It is designed so that the flash window requires full contact with the skin to work (flash), No works (flash) as long as the flash window does not contact the skin.

2. Safety precautions

2.1 Contraindications

IPL hair removal device is not suitable for everyone; please refer to the following detail information before use:

-- DO NOT use the device if you have very dark skin. Very dark skin may absorb too much light energy and injure (e.g. burn, tattoos, scars, etc) the skin. 1

– DO NOT use the device if your skin has been artificially or naturally tanned recently or is burned from overexposure to sunlight.

- DO NOT use if you are sensitive to sunlight (photosensitivity) or are taking a medication that causes photosensitivity e.g., certain antibiotics such as tetracycline, NSAIDS such as ibuprofen or retinoids such as Accutane and/or topical retinoids such as RetinA.
- DO NOT use the device if you have a history of skin cancer or pre-cancerous lesions (e.g. nevi or a large number of moles).
- DO NOT use if you are pregnant, lactating or menstruating. -- DO NOT use the device on people under the age of 18.

2.2 Warnings

- Never use the device on the following areas: -- Around the eyes and near the eyebrows.
- On nipples, areolas, labia minora, vagina, anus and inside of the nostrils and ears. -- Men must not use it on the scrotum
- Over and near anything artificial like silicone implants, pacemakers, subcutaneous injection ports (insulin dispenser) or piercings.
- On moles, freckles, large veins, darker pigmented areas, scars, and skin anomalies without consulting your doctor. This can result in a burn and a change in skin colour, which makes it potentially harder to identify skin-related diseases.
- On warts, tattoos, or permanent make-up, this can result in a burn and a change in skin colour. -- On areas where you use long-lasting deodorants. This can result in skin reactions.
- Never use this device on sunburn or recently tanned or fake tanned skin. Note: This list is not exhaustive. If you are unsure whether you can use this device, we advise you to consult a doctor.
- Stop using this device immediately if you see big area redness of the skin.
- Damage of the skin may occur after prolonged or repeated surface application on one site.
- If the mains cord is damaged, you shall have it replaced by MANUFACTURER, a service centre authorised by MANUFACTURER or similarly qualified persons in order to avoid risk of electrocution.

EYE SAFETY

- The device emits flashes of Intense Pulsed Light, which can be harmful to the eye with direct exposure. -- DO NOT look directly into the flash window when the device has electrical power and is switched on. -- DO NOT attempt to activate the device towards the eye.
- It is recommended to wear safety glasses and look away from the device when activating the flash button. -- The device is to be used for hair reduction purposes only. Do not use it for any other purpose. -- Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.
- It is prohibited to use an adapter that is outside of the specification, which will damage the device. -- Only cleaning can be performed by patient, other maintenances are not permitted.
- Always check the device before you use it. Do not use the device or adapter if it is damaged.
- Never insert any objects into the device.
- Do not use the device if the filter of the flash window is broken.
- If the device is broken, do not touch any inner part to avoid electric shock.

- Never use compressed air, scouring pads, abrasive cleaning agents or aggressive liquids such as petrol or acetone to clean the device.
- No parts of the device can be serviced or maintained while the machine is in use with the patient. --Do not disassemble, repair and refit the product without presence of a professional personnel as this may cause damage, malfunction or personal injury.
- Do not leave the equipment unattended when it is switched on to avoid the risk of fire or burns.
- Any unauthorized modification is prohibited, which may lead to unacceptable risk.
- Do not use if the device becomes uncomfortably hot to touch.
- Do not attempt to activate (flash) the device onto any surface other than skin.
- Do not block the air outlet of the device.
- This device is not intended for use by persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the equipment to avoid the risk of fire or burns.
- This device is not intended for use by children. Children should be supervised to ensure that they do not play with the equipment to avoid the risk of fire and burns.
- Do not subject the equipment to heavy shocks to avoid risk of damage to the lamp.
- Always unplug the appliance after use and in case of a power failure to avoid risk of damage to the equipment.
- Do not use this appliance near bathtubs, showers, basins or other vessels containing water.
- Do not posit the equipment to make it difficult to operate the power plug which uses to isolate the equipment circuits electrically from the supply mains.
- The accompanying power adaptor is a part of the device, do not use the other power adaptor for power supply.

2.3 Precautions

- Please read all instructions and safety precautions carefully prior to use.
- Use only according to the instructions for use.

2.4

- Keep out of children's reach.
- Check if the voltage indicated on the equipment corresponds to the local mains voltage before you connect the equipment to avoid risk of electrocution or permanent damage to the equipment.
- If the wall socket used to power the equipment has poor connections, the plug of the equipment becomes hot. Make sure you plug the equipment into a properly installed wall socket to avoid the risk of fire and burns.
- When not in use, the device should be stored in a dry environment, do not put any heavy objects on the device.
- The patient is an intended operator; all functions can be used by patient.

- If the adapter is damaged, always have it replaced with one of the original type in order to avoid danger.
- For hygienic reasons, the device should only be used by one person.
- Keep device and the adapter dry. This device is not washable.
- Adaptor is a part of this ME equipment;
- Keep the device away from the lint, dust and light.

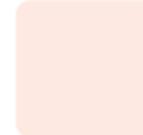
Only suitable for people over 18 years old with Fitzpatrick Skin Types I-V.

3. Applicable user

BEFORE USING THE DEVICE, choose your skin tone on the basis of Fitzpatrick Phototyping Scale, which was developed by Harvard Medical School dermatologist, Thomas Fitzpatrick, M.D., PhD, to classify a person's complexion and their tolerance of sunlight.

There are six levels of skin tone in the scale.

Please IDENTIFY your skin tone and check the following diagram to see whether the product is applicable. Please refer to section 5.1.

Safety grade	Applicable	Applicable	Applicable	Applicable	Applicable but caution	Not applicable
Skin Type/Color	Type I Pale white skin	Type II White Skin	Type III Cream white skin	Type IV Moderate Skin	Type V Dark brown skin	Type VI Deeply pigmented dark brown to darkest brown, black skin
Example						

CAUTION:

- Choose the comfortable level according to your skin tolerance and increase level from one to nine levels gradually. If there is not unsuitable or reaction, you could increase level gradually.
- The colour of your skin may change, for example because your skin has been tanned: it may then be darker than the skin tone during the previous treatment. Therefore, it is important that you check the settings to be used before each treatment and set the settings according to different treatment areas. Some areas may be darker than others.
- User with skin type V should use the device with a particular caution because you are more likely to experience adverse events. If you have trouble identifying yourself as Skin Type V versus VI, please consult your physician.

USE ON ACCEPTABLE HAIR TONE

Illustration	Color	Applicable or not
	White/Grey	No
	Light gold	No
	Red	No
	Light Brown	Yes
	Brown	Yes
	Dark Brown	Yes
	Black	Yes

The device is not recommended for white, grey, light gold and red hair.

4. Parts Identification

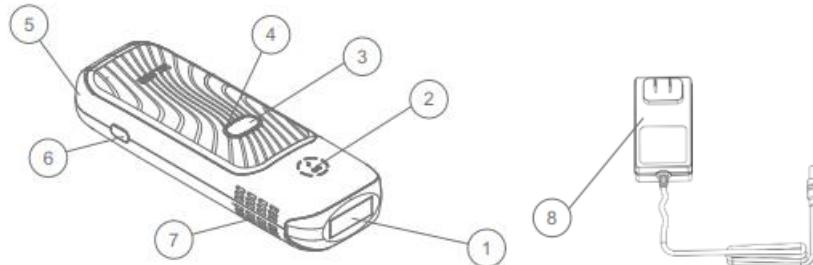
4.1 Packing list

Upon opening the package, you can see the following contents:

- IPL Hair Removal Device×1
- User Manual×1
- Power Adapter×1
- Safety goggles×1
- Razor×1
- Storage bag×1

4.2 Product Structure

- ① Skin Contact Sapphire Cooling Surface/Flash Window
- ② Intensity level
- ③ Flash Button
- ④ Skin sensing symbol
- ⑤ Power access
- ⑥ Power switch/Energy level adjustment switch
- ⑦ Air Outlet
- ⑧ Power Adapter



4.3 LCD Display Description

- ① Press Power Switch for 2 Seconds and press it again for level change
- ② Press and hold the Flash Button for 2 seconds to switch between manual and automatic mode

4.4 Function Instructions

IPL Hair Removal Intense pulsed light (IPL) uses a form of light based therapy which sends out numerous wavelengths which is then absorbed by the melanin in the hairs causing it to generate heat. This then destroys the hair follicle sufficiently to remove the hair and prevents future hair growth.

The Sapphire cooling function of hair removal device which allows the ice-cooling system works along with the IPL system. So the treated area gets cooling applications and effective IPL light simultaneously. Effectively avoiding burning and pain during use. And it depends on the Thermoelectric Cooler (TEC). When the device performs hair removal, TEC produces the PELTIERFFECT. The current flows through the junction formed by two different conductors, the electronic energy level will jump. The electron needs to absorb heat, which makes the cooling area in contact with the skin form a cold surface, thus cool down the skin temperature of users in the areas of hair removal.

5. How To Use

5.1 Use Preparation

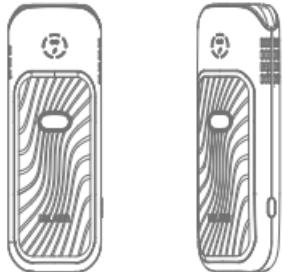
A. Before use, make sure your skin is in good condition without any injury and wound. You should pre-treat your skin by cleaning your skin, using the shaver to remove all visible hair on the skin and ensuring it is hair-free, entirely dry and free from oily substance. Please do not use depilatory creams and wax etc. since chemicals may cause skin reactions. Please clean the

Skin Contact Surface and Filter with a soft cloth. Please refer to section 3 Applicable User firstly and check if your skin tone is suitable for this product based on the skin tone card provided in the instructions.

B. Skin irradiation test: Before your first treatment, we recommend you test your skin for reactions. Choose a place on the arm or leg to perform test. Connect power adapter and switch on the device. Adjust the level to 1, press Skin Contact Surface firmly on the selected skin and press Flash Button to flash light. Move the device to another test position and raise energy level, press the Flash Button to do another test treatment. If it feels comfortable, increase the setting by one level and try it on another test position. Do not apply more than one flash on the same spot. For lighter skin, please check the result after 30mins and 60mins for darker skin, if the skin doesn't turn to red, it shows the device is suitable for your skin. If there is no skin abnormality, but you feel intense hotness during the treatment, then the last energy level is the most proper energy level for your skin. (Please wear glasses before test to protect eyes from light.)

5.2 Use Steps

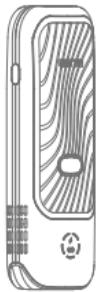
- 1) Before every treatment, clean the Skin Contact Surface and filter with a soft cloth.
- 2) Connect power adapter and press power switch for 2s to switch on the device



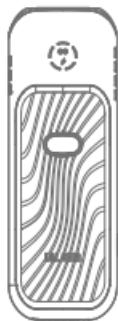
- 3) You can manually adjust the energy level by pressing the power switch to adjust energy level in the sequence of 1-2-3-4-5-4-3-2-1 as displayed. It is recommended to try from first level when you use the device for the first time and gradually increase the energy level.
- 4) Wear professional glasses to avoid eye damage



- 5) Once the energy level is set, place Skin Contact Surface on skin at an angle of 90 ° to ensure it contacts with the skin completely, If the Skin sensing symbol on the display stops flashing, press the Flash Button to emit light. If the skin contact surface is not in full contact with the skin, there will be no light emission when you press the Flash Button.



6) When you press the Flash button, the device will flash light twice and be accompanied by a gentle warm tingling feeling. You will feel the warmth of the flash. Move the device to the next hair removal area, the skin sensing symbol stops blinking, indicating full skin contact, and then repeat.



7) Manual mode/ Automatic mode

The default mode is manual mode. Under manual mode, after device and skin are in contact correctly, press the Flash Button to release a single flash.

You can hold Flash Button for 2 seconds to adjust to the automatic mode. The auto sign will light on. Under automatic mode, flash will be automatically emitted when you move the device on the skin on the condition that the Skin Contact Surface has contact to the skin.

8) Over-heat protection

Overheat may occur if the device is continuously used for a long time. When the temperature sensing component on the circuit board detects that its temperature has reached 48 degree, the device will stop working. Please allow your device to cool down before restart it.

9) If the device is inactive for 5min, the device will automatically turns off.

10) After use, please turn off the device by pressing the power switch and unplug the power adapter.

Tip: After the device has been turned on, please adjust it to the appropriate mode and level to remove hair.

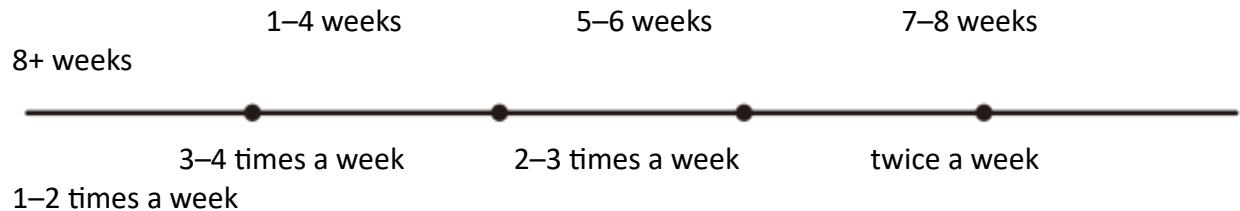
For first time user, please refer to 5.1 as reference to skin test. 12

5.3 Skincare after Treatment

Slight redness, dry, itchy tingling or warm feeling on skin reactions are harmless. You can use ice to compress and relieve symptoms.

After hair removal, it is recommended to apply body lotion for skin care. Do not use skin care products containing alcohol. Do not expose treated areas to the sun. Wait at least 7 days after treatment before exposing treated skin to direct sunlight.

5.4 Recommended Treatment Schedule



Note:

The frequency of use depends on the individual's hair growth rate. Each will be different

6. Possible Side Effects

When using the device according to the instructions for use, side effects are rare. Please ensure you treat using an appropriate energy level to decrease the likelihood of experiencing side effects. However, every cosmetic procedure including the usage of home use devices may cause some degree of side effects:

Minor Side-Effects	<ul style="list-style-type: none"> ·Irritation/redness- if it does not fade within 24 hours seek medical advice ·Sun Sensitivity - Avoid more than 15 minutes direct sun exposure for at least 2 weeks post treatment.
Rare Side-Effects Seek medical advice should any of these occurs	<ul style="list-style-type: none"> ·Burns ·Scarring ·Pigment Changes ·Excessive Redness ·Swelling
Extremely Rare Side Effects Seek medical advice should any of these occurs	<ul style="list-style-type: none"> ·Infection ·Bruising

Please consult your doctor if you experience persistent or severe discomfort or irritation during or after the hair removal treatment.

7. Maintenance

Cleaning

- Make sure to turn off and unplug unit before cleaning.
- It is recommended that the applicator head cover be cleaned after every session by using a dry, clean cloth to gently wipe the device.
- Keep the device dry, never submerge the device or any of its parts in water.

- Keep the device dry, never submerge the device or any of its parts in water or other liquids.
- When the main unit or adaptor is stained, please gently wiping the surface of main unit or adaptor with a soft cloth. Ensure that any pollutant is completely wiped off the main unit or adaptor.
- For stubborn stains on the flash window, dampen a cotton swab with surgical spirit or rubbing alcohol (alcohol concentration $\geq 70\%$), apply to the flash window and clean gently with the lint-free cloth. Use a small hand-held vacuum to remove dust and debris from the hand piece vents.
- Do not use the cleaning agent to clean the device.
- Please clean the device when the dust or dirt is on the surface of device. The accumulation of dust may affect the heat dissipation of the device and cause the temperature of the device too high, which may damage the device or burn the skin.
- The treatment method for this product is IPL technology, only need to use a dry, clean cloth to clean, no need to disinfect.

8. Disposal

- To avoid breakage or missing device and its accessories, please store the device and its accessories in the gift box after each use.
- It is prohibited to open or repair the device, which will damage the device and warranty failure.
- Clean the device before you store it.
- Store the device in a cool and dry place, away from sunlight. Do not store in wet or humid environment, otherwise it may affect the product function.
- When removing from minimum / maximum storage temperature, it is recommended to recover for 4 hours before use.

Disposal



This marking indicates that this product should not be disposed with other household wastes throughout the USA. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased.

They can take this product for environmental safe recycling.

The device and accessories are to be disposed of according to local regulations after their service lives.

Alternatively, they can be returned to the dealer or the manufacturer for recycling or proper disposal.

9. Troubleshooting

Below summarises the most common problems you could encounter with the device. If you are unable to solve the problem with the information below, please contact your local distributor:

Problem	Possible Cause	Solution
The device produces a strange smell	The hair in the hair follicle is heated and burning to produce a peculiar smell. Hair residue attached to the device absorb heat, combustion odour	Clean the device
Device's power adapters become warmer when used	Internal devices operate to generate heat	Normal phenomenon
When used, the skin feels unbearable pain	The intensity level setting is high	Please adjust to adapt to the intensity level
	Exposed UV filter damage	Please contact the customer service team
	The treatment site is not suitable for use with this device	Please read "Safety Precaution" section in the "User Manual"
	The hair on the surface of the skin is not cleaned up and the absorbed heat is transferred directly to the epidermis of the skin	Before using the device, be sure to clear the surface of the skin hair, reduce pain
The use of the environment without power outage, the device connected to the power supply is not energized	The internal power supply module is damaged	Please contact the customer service team
After the device is started it has been in an "energy preparation" state and can not be used	The internal power supply module is damaged	Please contact the customer service team
The device is "energy ready". After touching the skin, The skin can't feel, but cannot flash	The internal electronic components are damaged	Please contact the customer service team
According to "User Manual" in the "recommended level" and combined with customer service team advice, and continuous use, the effect can not satisfy you	The intensity level setting is too low	Please adjust to adapt to the intensity level
	During use, the treatment area omission	During use, please move the device in close proximity to ensure that there are no omissions
	This device has no visible effect on hair colour	If your hair colour is light gold, white, grey or red, this treatment will not have a significant effect

	Your body's response to IPL treatment may be slow	If you find the treatment area changes, please continue to use the device, the pursuit of perfect results
The LCD screen blinks, the Energy Level is ERROR2, and there is no light	Damage of fan	Please contact the customer service team
The LCD screen blinks, the Energy Level is ERROR3, and there is no light	Instrument temperature is too high	Stop using, and continue to use after the temperature drops to normal temperature.
After start up, the service life is displayed as 0 and cannot be used	End of life of the device	Please contact the customer service team

10. Specifications

This device is classified as Risk Group 1 according to IEC 62471: 2006.

10.1 Parameter

Product name	IPL Hair Removal Device
Product Model	NAMI
Dimensions	179 * 61.8 * 36.7 mm
Weight	285 g
Service life for adaptor	5 years
The risk group classification	Exempt group (IEC 62471:2006 / EN 62471:2008)
Wavelength	610–1200 nm
Output energy	2.91 J/cm ² ~ 7.27 J/cm ²
Exposure time (Pulse duration) of each flash of manual mode and automatic mode	0.48–4.42 ms
Continuous exposure interval (Interval time) only for automatic mode of each flash	0.53 s ~ 2.39 s
Selectable Energy Levels	1–5 levels
Irradiation area	3.3 cm ²
Power Supply (Adaptor):Model: FX48U-120400C	Input: 100–240 VAC; 50/60 Hz; 1.0 A max.; Output: 24.0 V DC; 3.0 A
Power Supply (Adaptor):Model: DZ048CHL 120400U	Input: 100–240 VAC; 50/60 Hz; 1.5 A max.; Output: 24.0 V DC; 3.0 A
Ratings of Main Unit:	24.0 V DC; 3.0 A max.
Technology	IPL
Protection against electric shock	<Class II ME equipment, Tip BF applied part
Applied part	Flash Window: type BF

10.2 Use environment, storage and transportation environment

Storage and Transport Condition	
Temperature	-25 °C ~ 70 °C
Humidity	10% do 90% rH
Pressure	70 ~ 106 kPa
Operating Conditions	
Temperature	0 °C ~ 30 °C
Humidity	10% do 75% rH
Max Operating Altitude	70 ~ 106 kPa