

User Manual

HR-SL808



Preface

Dear Users:

We're pleased to present to you our Pro 808nm Laser Permanent Body&Face Hair Removal machine. Suggested by the name, it works on removing hair permanently without damaging any skin tissues. It adopts the primary principle of selective photothermolysis by causing localized damage on target area of unwanted hair without damaging the rest of the skin. We aim at a safe and, at the same time, effective beauty result by using high-end technologies. Pro 808nm Laser Permanent Body&Face Hair Removal machine is for professional use only, which needs to be handled by professionals with proper training. Any improper use will result in adverse consequences. Therefore we advise any personnel read this guide thoroughly and apply with the instructions strictly before operation.

We believe our quality product will bring in good returns on your end. Also, you can count on our worry-free after-sales service.

Thank you!

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Part I

Brief Introduction

Pro 808nm Laser Permanent Body&Face Hair Removal machine works on removing unwanted hair on limbs, underarms, chest, back, mouth, abdomen, neck, hairline, and bikini line. It applies with the theory of ergonomics in design so that it not only saves effort when using but also comes with better and more visible effects. Laser hair removal machines are currently the most popular hair removal machines on the market, which makes them good replacement of hair removal through chemical or physical means in beauty parlors. We aim at a safe and, at the same time, effective beauty result by using high-end technologies. What's more, no injection, medication, or surgery is required. It also has no side effects and has immediate results. The entire process is conducted externally. Pro 808 adopts the primary feature of selective photothermolysis, achieving perfect results of hair removal without damaging skin epidermis by using the sapphire cooling technology.

Working Principle

Laser hair removal adopts the working principle of photothermal dynamics. Laser waves travel into the root of hair follicles through epidermis, where pigment in the follicles absorb the light and transform to heat to destroy hair in its anagen period while leaving the surrounding skin undamaged.

Laser hair removal is the perfect combination of hair removal in any technical perspective. Firstly, the sapphire cooling technology protects the epidermis from damaging while at the same time transports highly concentrated light into hair follicles; secondly, adjustable pulse duration (pulse width) can make sure the targeted cells produce enough heat to solidify without affecting surrounding cells; thirdly, the proper energy density level can guarantee there's enough energy output to destroy cells while leaving the neighboring cells intact.

Advantages

1. Wide treatment area, high efficiency, and fast speed.
2. Efficiently remove hair of different color and texture (e.g. brown, dark brown, black).
3. Non-invasive treatment with higher level of safety.
4. Cooling down to 4°C; without pain.
5. Target on hair of different colors; more visible results with fine hair.
6. No downtime: no effect on daily life and work.
7. Remove hair permanently.

Full-body Hair Removal

Main Effects

1. Remove unwanted hair on limbs.
2. Adjust hairline on forehead and neck.
3. Remove fine hair on chest and back.
4. Remove facial fine hair, smooth skin.
5. Remove hair around mouth and chin.

Applicable Range

1. Those with excessive hair growth on limbs.
2. Those with irregular hairline.
3. Those with unwanted hairline on neck.
4. Those with excessive hair growth on face, mouth, and chin.
5. Those with excessive hair growth on body and private parts.

Inapplicable Range

1. Those in pregnancy and lactation; those with heart disease, malignant tumor, folliculitis, vascular disease, severe hyperlipidemia, hypertension, hyperglycemia, and other serious diseases.
2. Those with abnormal metabolism of collagen cells, including history of scar and poor wound healing.
3. Those with infected treatment area, herpes simplex, and skin lesion, etc.
4. Those who have just undergone plastic surgery with unhealed wounds.
5. Those who are having allergic reactions.
6. Those with pacemakers.
7. Those who are photosensitive (solar urticaria, lupus erythematosus), and experience swelling, itch and redness when exposed under the sun.
8. Those who have just undergone photoelectric therapy in 30 days.
9. Those who are in their childhood, not yet hit puberty or under 18.

Operational Procedures

1. Remove hair on treatment areas in advance (it does not need to be super clean) or have clients remove hair 1 or 2 days earlier.
2. Clean treatment area (with water) and make sure no oily residue is left (such as perfume, emulsion, deodorant, sunscreen, etc).
3. Apply a thin layer of gel (with the thickness of a coin) to help dissipate heat, lubricate and stop the infrared light from escaping.
4. Adjust parameters; start from a low energy level.
5. Do a test run on treatment area and see if it fits; it works best when a slight tingling sense is felt.
6. Start the treatment and make sure to keep the probe close to the skin. Do the following operation 5-10 times.

On large patch of skin (such as arms, legs and back):

① Stamping technique: make sure the probe is close to the skin, move the handpiece as if you're stamping, press to shoot light and let go, make sure the next light patch is right next to the previous one and cover the entire treatment area, once;

② Sliding technique: make sure the probe is close to the skin; press long to shoot light and slide evenly in an order of sequence, 5 times or more. (Do not stay on one patch of skin for too long to avoid scald.)

On small patch of skin (such as hairline, hair around mouth):

Stamping technique: make sure the probe is close to the skin, move the handpiece as if you're stamping, press to shoot light and let go, make sure the next light patch is right next to the previous one and cover the entire treatment area, around 8 times.

7. Scrape gel off with a facial mask spatula, and wipe it clean with tissues (salines can be used if it's not yet clean.)

8. Apply cold compresses for 10 minutes overheat is felt.

Energy Level Range:

Body Parts	Energy (A)	Optical Efficiency (HZ)	Time (ms)
Underarms	25~35	5~10	10
Arms	28~45	8~12	25
Legs	28~40	8~12	30
Mouth,Chin	30~40	5~10	10
Face	28~35	5~10	15
Hairline	25~35	5~10	15
Bikini line	25~35	8~10	15
Other parts	30~45	8~12	20

Note: The above data are for reference only and they could be adjusted subjecting to clients' comfort level to avoid scald.

Warning: Avoid using device on the following treatment areas: moles, tattoos, large dark spots, metals (including dental braces), and prosthesis.

Dos and Don'ts

1. No contact with hot water on treatment area in 6 hours.
2. Avoid sauna, hot spring and swimming in 7 days.
3. If redness appear on face, wait for 1 day before applying make-ups.
4. Use sun protection, such as sunscreen or umbrella after treatment.
5. Avoid applying any products that contain irritating ingredients(e.g.alcohol, acid) on body and limbs in 3 days.

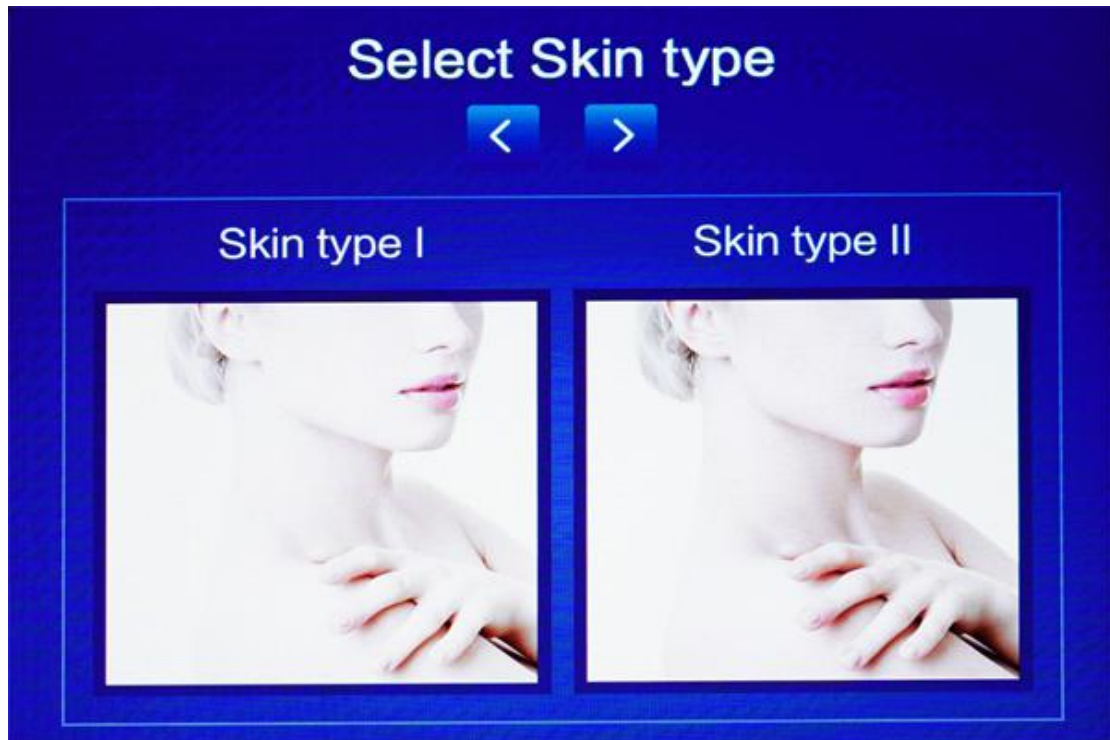
Suggested Treatment

Obvious changes will not be observed after the first treatment; hair growth slows down and hair appear to be finer after the second or third treatment; apparent decrease in hair regrowth can be observed after the fourth or sixths treatment, especially at places where hair is dense; smooth and clean patch of skin will appear after the sevenths or tenths treatment. Follow-up treatments can help better results on certain patch of skin.

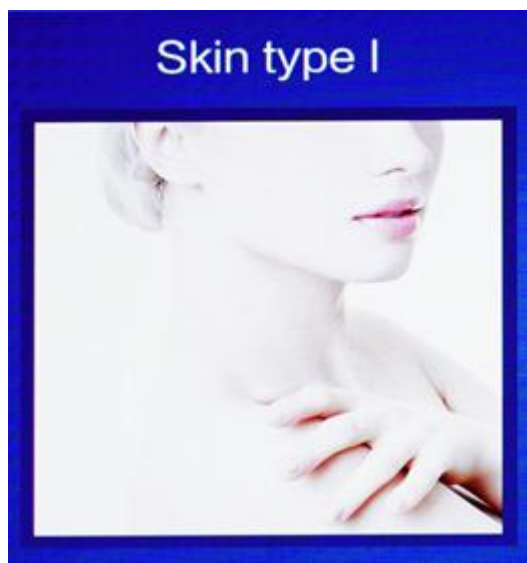
Part II

1. Detailed Operation

After checking if the instrument is properly connected, the following interface will appear when the power supply is turned on.



2. Function Selection



Skin type I: very fair

Skin type II



Skin type II: fair

Skin type III



Skin type III: light

Skin type IV



Skin type IV: warm Ivory

Skin type V



Skin type V: medium/neutral

Skin type VI



Skin type VI: dark/ dark brown

Select Skin type



Skin Type Selection

Light brown



Hair color: light brown



Hair color: Brown



Hair color: dark brown



Hair color: black

The following interface will appear after choosing skin tone and hair color.

The interface for the 808nm Laser System is displayed on a dark blue background. At the top left, the title "808nm Laser System" is shown. Below the title is a red horizontal bar with vertical tick marks. The interface is divided into several control panels:

- Water normal**: A status indicator at the top right.
- Current counter**: A digital display showing "0".
- Total counter**: A digital display showing "227".
- Flow**: A digital display showing "8.0".
- Temperature**: A digital display showing "26 / 25 °C".
- READY**: A grey button.
- STANDBY**: A yellow button.
- Cooling level(0-5)**: A digital display showing "5".
- System setting**: A button with a left arrow.
- Current(A)**: A digital display showing "34" with left and right arrow buttons.
- Frequency(Hz)**: A digital display showing "12" with left and right arrow buttons.
- Pulse duration(ms)**: A digital display showing "14" with left and right arrow buttons.

At the bottom left, there is a separate **Current counter** display showing "0" with the label "Current Counter" next to it.



Total Counter



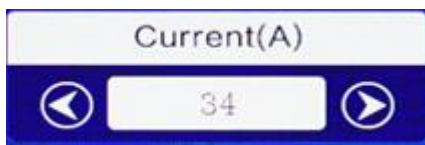
Flow&Temperature



Ready Standby



Cooling level(0-5): Adjust the level subjecting to your own comfort level. For those who prefer an icy feeling can choose cooling level 4-5.



Current Adjustment (10-50): Adjust the current subjecting to one's tolerance and hair choice. Choose around 20 for those with low tolerance; choose around 35 for those who have thin hair and light hair color; choose around 25-30 for those who have thick hair and dark hair color.)



Frequency Adjustment(1-12): the frequency of light can be adjusted subjecting to one's tolerance level. The suggested frequency is 3-6 for beginners.)



Pulse duration: pulse duration can be adjusted according to the time period of treatment.



Return

3. Technical Parameters

Laser type: semiconductor laser

Laser wavelength: 808nm

Working frequency: 1--10Hz adjustable

Spot size: 10×12mm

Laser power: 500W

Input power: 1600W

Operating language: English

Output mode: pulse output

Screen size: 8-inch true color touch screen

Shell material: ABS plastic + metal

Cooling system: semiconductor refrigeration + water + air cooling

constant temperature cooling

Handle temperature: -10--5°C

Supply voltage: AC220V, AC110V (can be customized)

4. Safety Precautions

1. Those in pregnancy and lactation; those with heart disease, malignant tumor, folliculitis, vascular disease, severe hyperlipidemia, hypertension, hyperglycemia, and other serious diseases.
2. Those with severe varicosities or tumors.
3. Those with sensitive skin or who are photosensitive.
4. Avoid wearing jewelries that contain metals during the process.
5. Those who are in their childhood, not yet hit puberty or under 18.
6. Avoid using the device around areas that contain metal, plastic or silicon, etc.
7. Those with abnormal metabolism of collagen cells, including history of scar and poor wound healing.

8. Those with infected treatment area, herpes simplex, and skin lesion, etc.

5. Cautions after Treatment

1. Avoid using device on the following treatment areas: moles, tattoos, large dark spots, metals (including dental braces), and prosthesis.
2. Avoid staying on one spot for too long in case of scald.
3. Keep probe close to the skin to avoid any discomfort.
4. Avoid wearing jewelry or other accessories that contain metals.
5. Wait for a month before treatment if the same area had undergone photoelectric therapy within a month.
6. Wait for 15 days if you have recently experienced sunburn or planning a vacation containing sun bathing.
7. It is advised not to use the device for people with black skin color owing to the larger amount of melanin will absorb more laser light, which might damage skin.
8. Avoid using the device on eyebrows or eyelashes.
9. Turn off the device for 5-10 minutes if it's been on for 2 consecutive hours to further prolong it's life expectancy.
10. Place the device wherein it's cool,dry and ventilated; avoid direct sunlight, high temperature or water splash.
11. Wipe clean the device and handle with saline after one treatment to further prolong it's life expectancy. (Do not use alcohol for cleaning.)
12. Make sure to press the power button and unplug the device.

6. Troubleshooting & Solutions

1. Power does not turn on and the key lamp on the back of the device doesn't work?

- A. Ensure that the power cord is connected to a working power outlet.
- B. Ensure the fuse tube on the back of the instrument is not loose or being burnt.
- C. Check if the emergency stop machine is on.

2.Handpiece is emitting heat?

- A.It is normal for the laser radiates light and heat from the handpiece.

3.There's no light coming form the handpiece?

- A.Check if the parameters are set at proper level and if the device is turned on.
- B.Turn off the device and restart.

4.There's unpleasant odor coming from the handpiece?

- A.Check if the probe is clean or if there's hair residue.
- B.Wipe the probe clean.

7. FAQs

1. Q: Can I remove hair permanently with one treatment?

A: No, however it can be achieved with one full course of treatment. It is advised to do it once every 3-6 weeks (time span varies among different parts of the body). Hair growth consists of 3 periods, namely anagen, catagen and telogen phase. Hair removal works best during anagen phase. Owing to the fact that time span of hair growth varies among different parts of the body, and that's why we'll provide you with a customized treatment plan according to your hair growth, hair density on different parts of the body.

2. Q: Is it harmful to skin?

A: You can be reassured that it is without harm. It's working principle is selective photothermolysis, which means that laser wave of 808nm only works on melanin of follicles without damaging other cells. (In another word, 808nm wave absorbs only melanin in hair follicles while there's no melanin around neighboring skin cells, therefore no harm will be done.)

3. Q: Is hair going to appear darker?

A: After 808nm laser treatment, the remaining hair will appear finer and lighter, instead of the opposite. While for those who choose waxing, plucking, scraping or hair removal cream, hair will appear darker, thicker and harder after long term usage.

4. Q: Does laser hair removal work on anyone?

A: Despite of its wide application range, it does not apply to everyone. Those who have the following conditions should avoid such treatment:

1. Those who have a medical history of scars and lumps.
2. Those who are currently or previously affected with herpes simplex virus.
3. Those who have tried hair removal using other methods within 6 weeks.
4. Those who are allergic to benzodiazepines and bleach.
5. Those who are prone to allergies.

5. Q: Is there a good season for hair removal?

A: Generally speaking, Pro 808nm laser hair removal leaves no scar, and requires no recovery time, which means it could be done any time of the year. But it does take multiple treatments, so it is advised to do it as early as possible so that you can look gorgeous without worries.

6. Q: Can I go sun bathing right after hair removal treatment?

A: It is advised not to because cuticles will shed together with hair follicles, in which case skin protection level is relatively low.

8. Packing List

Handle x1

Handle bracket x1

Water funnel x1

Power line x1

Instructions Manual x1

Key x1