

User Manual

HR-GX003



Preface

Dear Users:

We're pleased to present to you the *755 808 1064nm/808nm Diode Laser Optional Permanent Hair Removal Beauty Machine*.

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. *755 808 1064nm/808nm Diode Laser Optional Permanent Hair Removal Beauty 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 to 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

755, 808, 1064nm/808nm Diode Laser Optional Permanent Hair Removal Beauty Machine works on removing unwanted hair on limbs, underarms, chest, back, upper lip, 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 make 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. *Standing 808/755 808 1064nm Diode Laser Hair Removal Beauty Machine* adopts the primary feature of selective photothermolysis, achieving perfect results of hair removal without damaging skin epidermis by using the sapphire cooling technology.

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. No injection, no medication, no side effects and fast result.
5. Cooling down to 4°C; pain free.
6. Target on hair of different colors; more visible results with fine hair.
7. No downtime: no effect on daily life and work.
8. Multiple modes to choose from. Select modes based on skin color and hair thickness.
9. Remove hair permanently.
10. Brighten and whiten skin.

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.

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. Shrink pores and refine skin.
6. Remove hair around mouth and chin.
7. Brighten and whiten skin.

Applicable Range

1. Those with excessive hair growth on limbs.
2. Those with unwanted hairline on forehead.
3. Those with unwanted hairline on neck.
4. Those with excessive hair growth around mouth and chin.
5. Those with excessive hair growth on the back and large pores and dull skin.
6. Those with excessive hair growth on face and uneven skin tone.
7. 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.

Notes after Operation

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.

Part II

1. Detailed Operation



- ① Power switch button
- ② Power switch Key
- ③ Hair removal handpiece



- ① Air outlet
- ② Air outlet
- ③ Power jack
- ④ Power Switch (Switch off indicates power off, not being to use the machine)
- ⑤ Inflow (Insert the inflow tube connected with funnel to pour in water)
- ⑥ Air outlet
- ⑦ Air outlet
- ⑧ Outflow (Twist the knob to turn on *Outflow* and let out water)
- ⑨ Overflow (Water flows out from here when the tank is full. Cease pouring and twist the knob to close off *Overflow*)

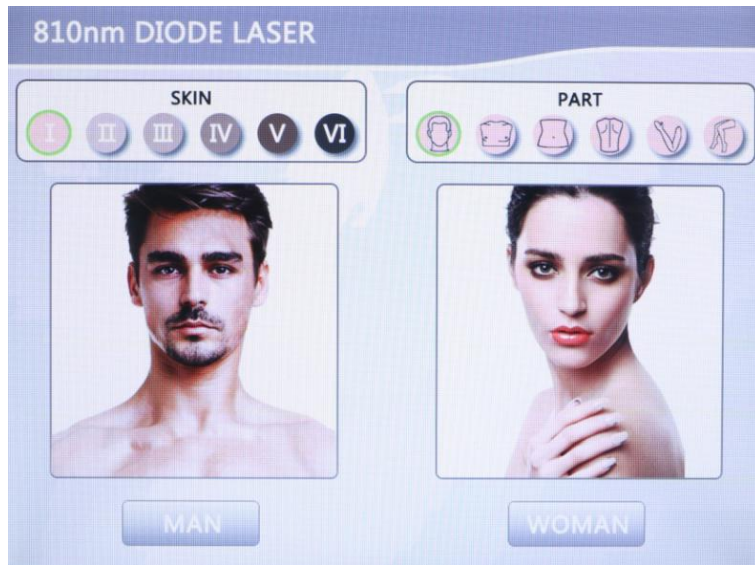


Note: Please press the button (indicated by the red arrow) to operate.

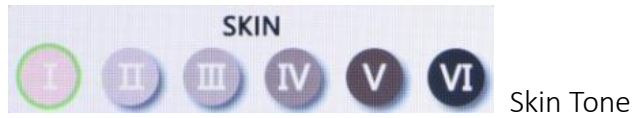
After checking that the instrument is connected properly, the following starting interface will appear when the power supply is turned on.



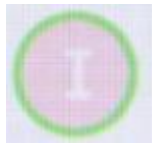
The following interface appear below:



1. Function Selection



Select skin tone based on customer's skin tone



Skin Tone I



Skin Tone II



Skin Tone III



Skin Tone IV



Skin Tone V



Skin Tone VI



Body Part



Face



Chest



Waist



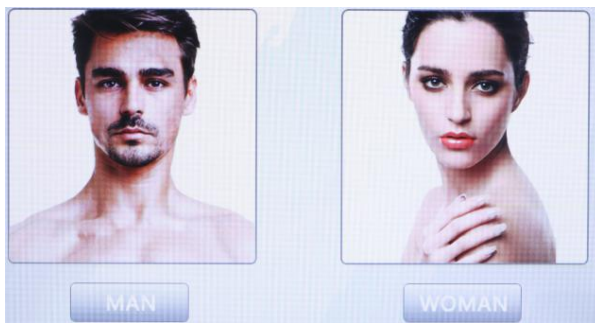
Back



Arm



Leg



Gender



Male Hair Removal

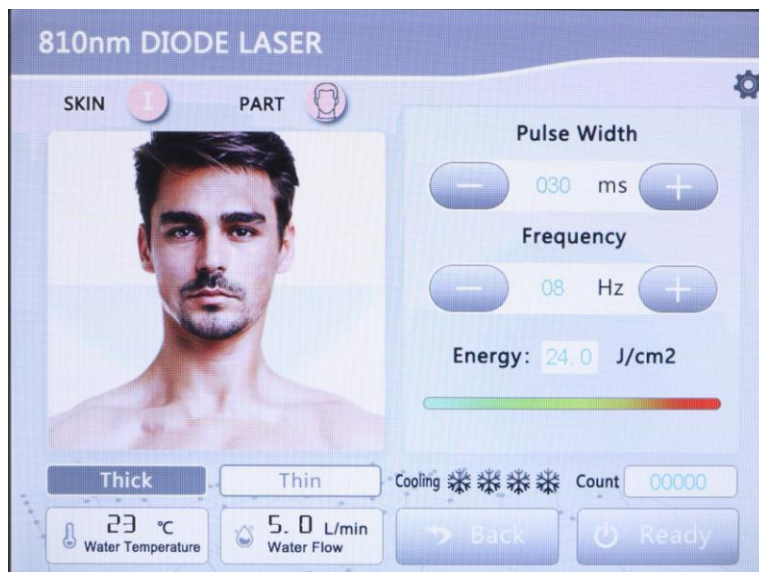


Female Hair Removal

2. Detailed Operation: Male Hair Removal



Click to go to the interface below



Select body part



Select skin tone



Pulse Width (Laser Energy)

It ranges from 0-100. It is advised to set between 20-60. Adjust based on one's own comfort level. Start from low and increase slowly afterwards. Higher energy, higher temperature.



Pulse Width (Laser Energy) +/-



Frequency

It ranges from 0-10. It is advised to set between 2-8.



Frequency +/-

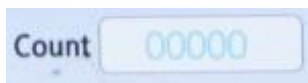


Current energy per pulse



Cooling Temperature

Click flakes to adjust. It ranges from 0-4. it is advised to adjust between 2-4. More flakes means stronger cooling effect. Adjust based on one's own comfort level. Normally it is advised to set the cooling temperature between 2-3 and 3-4 for those who experience strong pain.

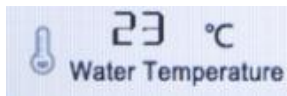


Count



Water Flow

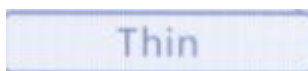
Insufficient water volume or blocked water circulation will result in abnormal water flow



Machine Temperature



Thick Hair



Thin hair

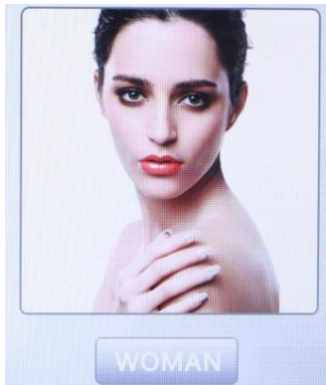


Start/Pause

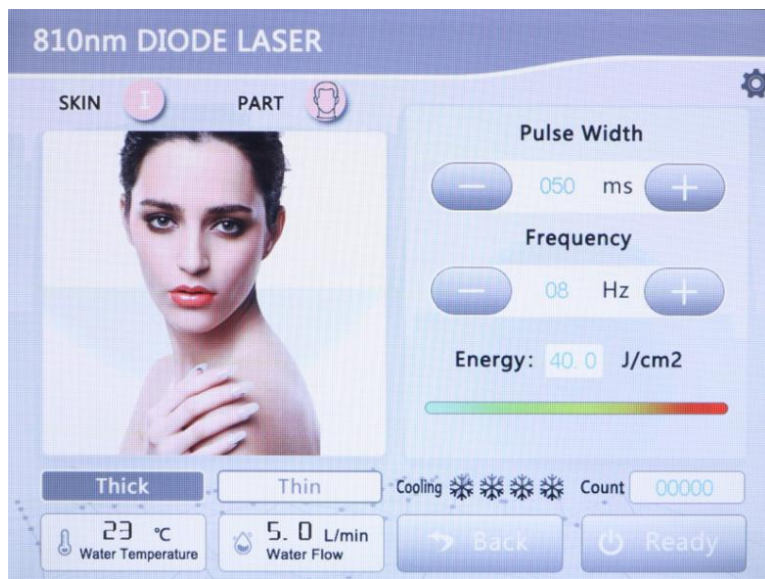


Back

3. Detailed Operation: Female Hair Removal



Click **WOMAN** to go to the interface below



Select body part



Select skin tone



Pulse Width (Laser Energy)

It ranges from 0-100. It is advised to set between 20-60. Adjust based on one's own comfort level. Start from low and increase slowly afterwards. Higher energy, higher temperature.



Pulse Width (Laser Energy) +/-



Frequency

It ranges from 0-10. It is advised to set between 2-8.



Frequency +/-

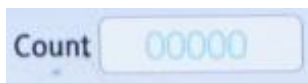


Current energy per pulse



Cooling Temperature

Click flakes to adjust. It ranges from 0-4. it is advised to adjust between 2-4. More flakes means stronger cooling effect. Adjust based on one's own comfort level. Normally it is advised to set the cooling temperature between 2-3 and 3-4 for those who experience strong pain.



Count



Water Flow

Insufficient water volume or blocked water circulation will result in abnormal water flow



Machine Temperature



Thick Hair



Thin hair



Start/Pause



Back

Energy Level Range:

Body Part	Energy (A)	Optical Efficiency (HZ)	Time (ms)
Underarms	25~40	3~8	10
Arms	30~55	2~5	25
Legs	30~50	2~5	30
Lip,Chin	30~45	3~5	10
Face	30~45	3~5	15
Hairline	25~40	3~8	15

Bikini line	25~40	3~8	15
Other parts	30~55	2~5	20
Note: The above data are for reference only and they could be adjusted subjecting to clients' comfort level to avoid scald.			

Pulse Width (ms)	Frequency (Hz)
10-40	1-10
41-44	1-9
45-50	1-8
50-57	1-7
58-66	1-6
67-80	1-5
81-100	1-4
101-133	1-3
134-200	1-2
201-400	1
For instance: When pulse width is at 200, the maximum frequency would be at 2.	

2. Technical Parameters

Light Source: Diode laser

Wavelength: 808/808 755 1064 mixed (option)

Power of the machine: 2400W

Laser Output Energy: 1-120J/cm³ 1-40J/cm³

Shots: 4 Million

Pulse frequency: 1-10Hz (suggest 3Hz-6Hz)

Spot size:12mm×12mm

Cooling System: 300W

LCD Screen: 10.4 inch 24 color multi color touch screen

Power requirement: AC220V±10%, AC110V±10%

3. 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.

4. Dos and Don'ts

1. Use a grounding pin and make sure the power socket of the device is properly connected before each operation.
2. Ensure that the voltage of the device is appropriate. If the voltage of the local power supply is unstable, we recommend that users increase to the matching power voltage.
3. In order to ensure the therapeutic effect and normal service life expectancy of the device, please use the specified accessories provided or recommended by the original manufacturer.
4. The device should not be placed in wet environment or near water, nor should they be directly exposed to sunlight.
5. Do not place the device near a strong heat source, because this may affect the life and normal use of the device.
6. Before treatment, please remove all metal objects from the body first, so as to avoid unexpected conditions and influence the curative effect.
7. Please restrain from using the device on eyes, thyroid, parathyroid, testicles, abdomen of pregnant women, and pacemakers.
8. Patients who are suffering from illness should consult with a doctor and gain permission from the doctor before using.
9. Use device or train device operators in strict accordance with instructions in the user manual.
10. Avoid using device on the following treatment areas: moles, tattoos, large dark spots, metals (including dental braces), and facial prosthesis.
11. Avoid staying on one spot for over 3 seconds in case of scald.
12. Keep probe close to the skin to avoid any discomfort.
13. Avoid wearing jewelry or other accessories that contain metals.
14. Wait for a month before treatment if the same area had undergone photoelectric therapy within a month.

15. Wait for 15 days if you have recently experienced sunburn or planning a vacation containing sun bathing.
16. Avoid using the device on eyebrows or eyelashes.
17. Turn off the device for 5-10 minutes if it's been on for 2 consecutive hours to further prolong it's life expectancy.
18. Place the device wherein it's cool, dry and ventilated; avoid direct sunlight, high temperature or water splash.
19. Wipe clean the device and handle with saline after one treatment to further prolong it's life expectancy. (Do not use alcohol for cleaning.)
20. Apply gel evenly on intended treatment area beforehand to avoid scald.

5. 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.
- D. Check if the power switch is turned on.

2. There's no light coming from 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.
- C. Check if the button light next to the key is on.
- D. Seek help from the distributor if the above method cannot address the issue.

3. The instrument just stopped automatically during operation?

- A. Please check whether the water temperature on the display is lower than 10°C or higher than 35°C.
- B. Please check that the water flow on the instrument display is all lower than 3.5L/min.
- C. Seek help from the distributor if the above method cannot address the issue.

6. FAQs

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

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 the laser hair removal 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 susceptible 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.

7. Packing List

1 x Main unit

1 x Key

1 x Funnel

1 x Foot attachment

1 x Handle

1 x Power line

8.Operational Diagrams

Parameters	Product	Techniques	Diagrams
Facial Hair Removal: 40 min, once/month			
Energy: 30-45 Frequency: 3-5 Temperature: 2-3/snowflakes	Makeup remover+ Cleanser+ Toner+ Razor+ Gel	<ol style="list-style-type: none"> 1. Remove makeup and clean, 5 min. 2. Apply toner, 1min. 3. Shave off all the facial thin hair with razor, 2-3 min. 4. Apply a layer of gel that is the thickness of a coin evenly on the face, 1 min. 5. Put on protective eyewear for the customer; the operator should wear protective goggles too. 6. Select skin tone, body part; Adjust energy, frequency, hair thickness, temperature and start operation. 7. Device operation: Start from chin, move slowly till behind the ear. Move in parallel lines to the temple, 3-4 times. 8. Do the same on the other side. 9. From left to right, move slowly on forehead, 3-4 times. 10. Remove the protective eyewear. 11. Scrape off the gel. 12. Wash face clean, 2 	No diagrams

		min. 13. Apply toner, essence, cream and sunscreen.	
<p>Suggested Treatment: No obvious changes will be observed after just one treatment. After 2-3 times, hair growth rate slows down, and hair appears to be finer. Obvious decrease of hair regrowth is appeared after 4-6 times, especially at densely hair area. 7-10 treatments brings you hair-free experience. Touch-up treatments can be conducted for consolidating the results.</p>			
<p>Full-body Hair Removal: 150 min, once/month</p>			
<p>Energy Level: Arms: 30-55 Underarms:25-40 Legs: 30-50</p> <p>Frequency: Arms: 2-5 Underarms: 3-8 Legs: 2-5</p> <p>Temperature: 2-3/snowflakes</p>	<p>Razor+ Gel</p>	<p>Arms</p> <ol style="list-style-type: none"> 1. Shave arms and fingers with razor. 2. Apply a layer of gel that is the thickness of a coin evenly on one arm. 3. Put on protective eyewear for the customer; the operator should wear protective goggles too. 4. Select skin tone, body part; Adjust energy, frequency, hair thickness, temperature and start operation. 5. Device operation: Move slowly from upper arm to lower arm in lines with one line next to another, 3-5 times. 6. Scrape off the gel and wipe it clean with paper tissue. 7. Apply gel evenly on fingers, 1 min. 8. Device operation: Use stamp technique to operate on fingers, 3-5 times. 9. Scrape off the gel and wipe it clean with paper 	<p>No diagrams</p>

		<p>tissue.</p> <p>10. Do the same on the other side.</p> <p>Underarms</p> <p>11. Shave underarm with razor.</p> <p>12. Apply a layer of gel that is the thickness of a coin evenly on underarm.</p> <p>13. Device operation: Move along the entire underarm, covering the entire treatment area, 3-5 times.</p> <p>14. Scrape off the gel and wipe it clean with paper tissue.</p> <p>15. Do the same on the other side.</p> <p>Legs</p> <p>16. Shave legs and toes with razor.</p> <p>17. Apply a layer of gel that is the thickness of a coin evenly on one leg.</p> <p>18. Device operation: Move slowly from the upper leg to knee in lines with one line next to another, 3-5 times.</p> <p>19. Move slowly from knee to ankle in lines with one line next to another, covering the entire treatment area, 3-5 times.</p> <p>20. Scrape off the gel and wipe it clean with paper tissue.</p> <p>21. Apply a layer of gel that is the thickness of a coin on the toes.</p> <p>22. Device operation: Use</p>	
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		stamp technique to operate on toes, 3-5 times. 23. Wipe gel off with paper tissue. 24. Do the same on the other side.	
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Suggested Treatment:

No obvious changes will be observed after just one treatment. After 2-3 times, hair growth rate slows down, and hair appears to be finer. Obvious decrease of hair regrowth is appeared after 4-6 times, especially at densely hair area. 7-10 treatments brings you hair-free experience. Touch-up treatments can be conducted for consolidating the results.