Soprano + Laser instruction manual

2-in-1 freezing hair removal | Intelligent security | Long-lasting effect



Product list

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Introduction

Principle of Instrument Operation

laser principle：
Using the gem Q-switched mode and the principle of photoblasting, the laser concentrated high energy is emitted instantaneously so that the laser with a fixed wavelength can penetrate the epidermis instantaneously in a very short time, and the corresponding pigment group is rapidly expanded by heat and explodes and breaks up instantly. Part of the pigment group breaks down into fine particles that can be swallowed by human macrophages and discharged from the body through the human lymphatic circulation system. Thus to achieve the effect of removing stains.

Principle of hair removal：
According to the principle of selective photothermodynamics, through reasonable adjustment of wavelength, energy and pulse width, light energy can pass through the skin surface to the hair root hair follicle, so that the hair follicle tissue is damaged, slow growth or no growth. The rapid freezing point hair removal system adopts a unique freezing technology to cool the local epidermis to 5 degrees Celsius, overcoming the shortcomings of cold touch lighting, convenient and simple operation. No damage to the skin, easy hair removal.

Instrument parameters

Laser handle parameters	
Light wavelength	532nm/785nm/1064nm
Frequency	1-10Hz
Energy	1-120J/CM2

Instrument parameters

Hair removal instrument parameters	
Facula	13*30MM
Pixel	1080x1920
The number of operations	50000000
Wave spread	808nm
Frequency	1-10Hz
Energy	1-120J/CM2
Overall power	2000W
Pulse width	1MS-20MS
Voltage	200-240V
Heat dissipation	Semiconductor refrigeration + air cooling +TEC refrigeration
Package size	63*54.5*136cm
Language	Supports various language customization
Water tank	5L
Weight	61.8kg

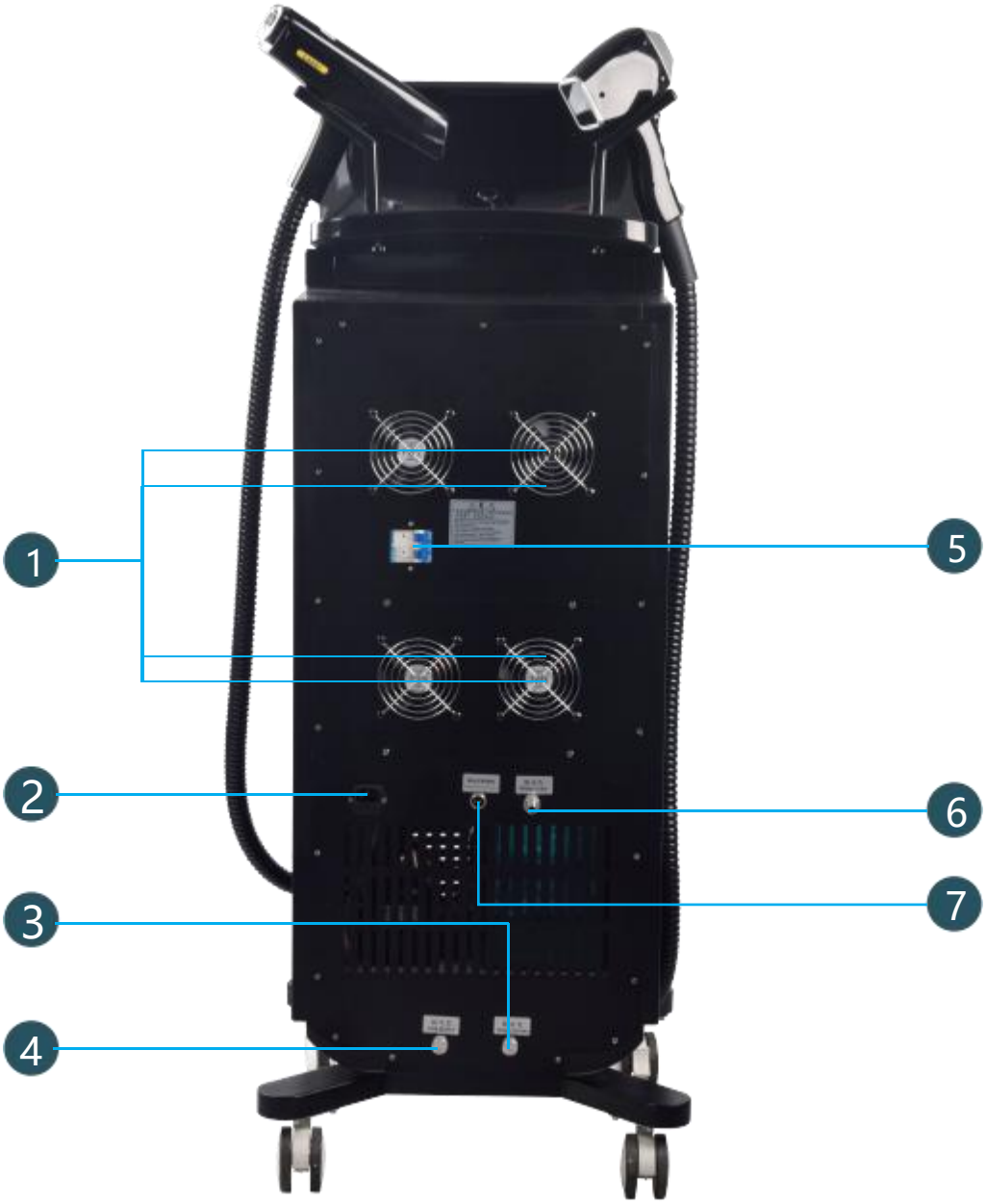
Instrument appearance



Product front
(The picture is subject to the actual object)

1 Hair removal handle
2 12 "screen
3 Emergency switch
4 Indicator light
5 Laser handle
6 key switch
7 Energy conduit

Instrument appearance



Product back

(The picture is subject to the actual objec)

1 Heat dissipation fan
2 Power outlet
3 Outfall
4 Gas vent
5 Power switch
6 Drain hole
7 Laser foot joint

Interface description



Tap the screen to go to the next page

(1-1)

Open the instrument and the main interface appears.
Touch the screen to enter the operation interface



Choose a hair removal pattern

Selective laser mode

System

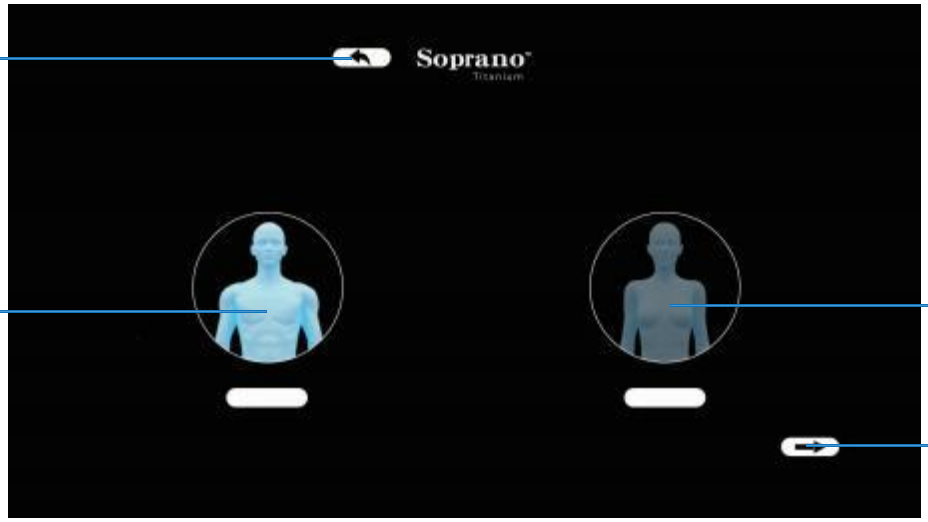
Go to the next page

(1-2)

Enter the operation interface, tap the handle to display the need to operate, and tap the " ➡ " Go to the next page

Instructions

Interface description



Return to previous page

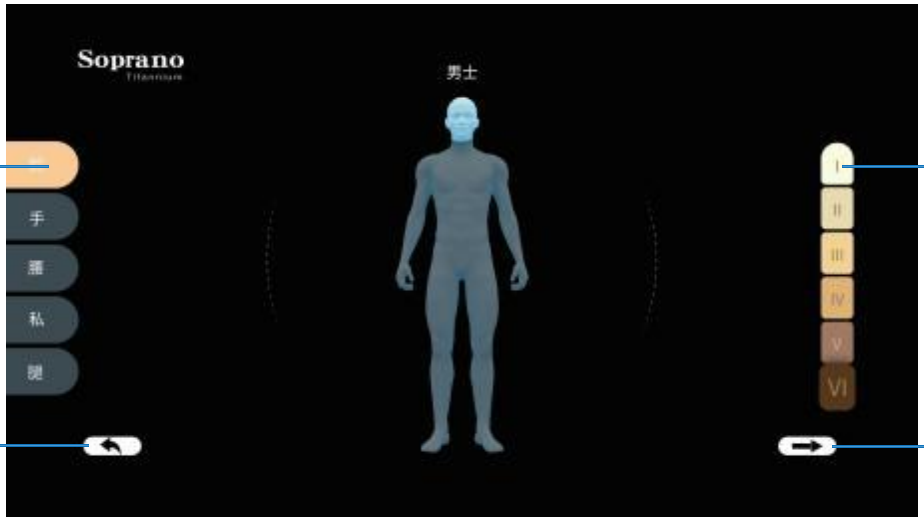
Select Boy model

Select Girl model

Next page

(1-3)

Choose gender, light touch ”➡“ Go to the next page



Select Body part

Select Skin tone

Back Previous

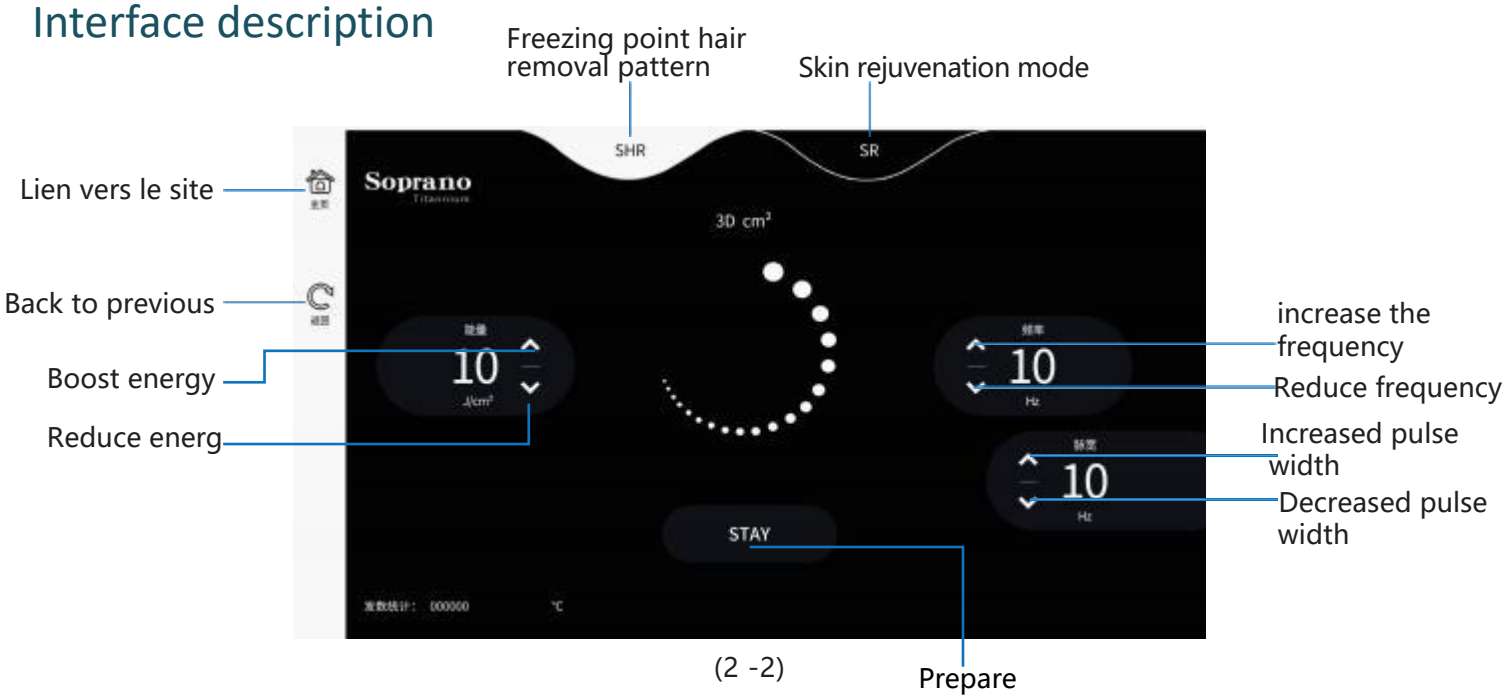
Next page

(2 -1)

Select the part that needs to be manipulated, select the skin tone, “ ➡ ” Go to the next page

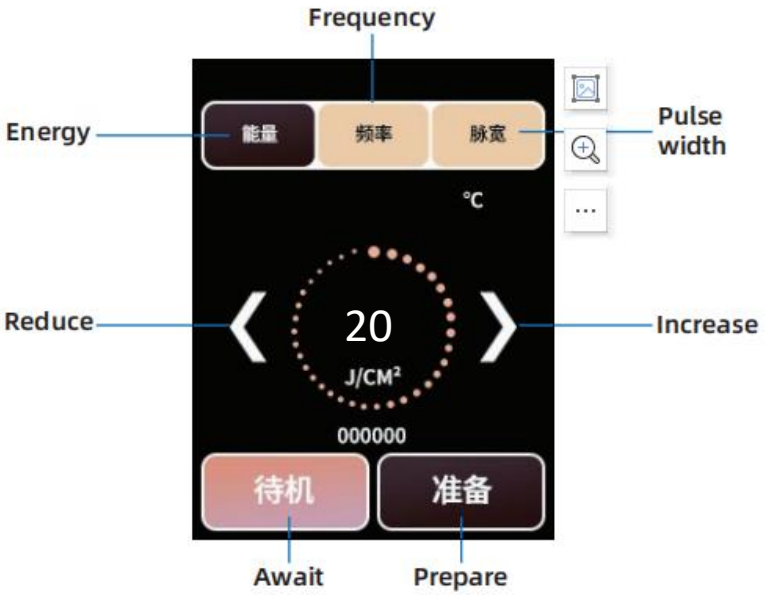
Instructions

Interface description



(2 -2)

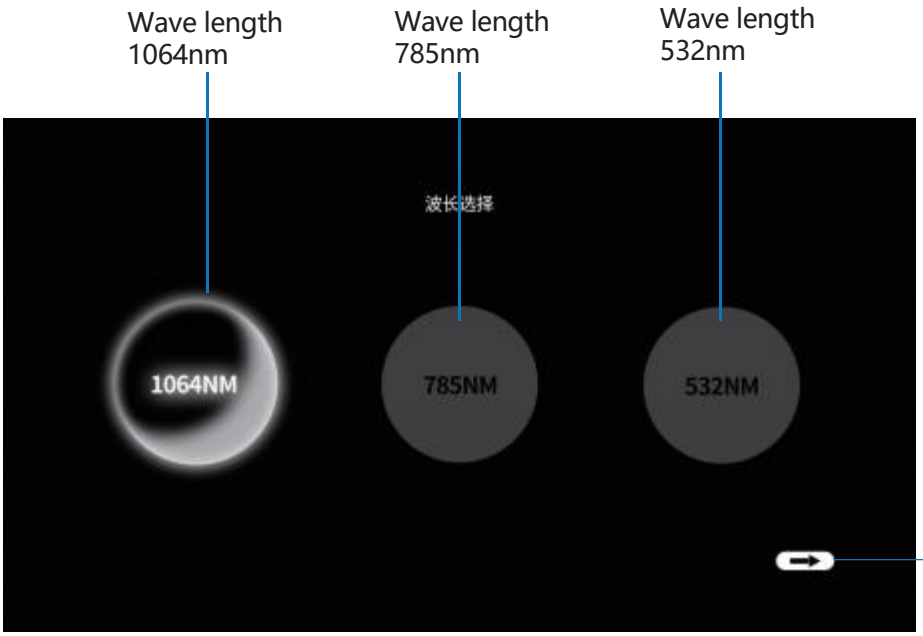
Enter the operation interface "Figure (2-2)", first select the corresponding mode, adjust the energy, frequency, pulse width (refer to the "Parameter Setting Table"), and click the "Prepare" button for treatment.



(3-2)

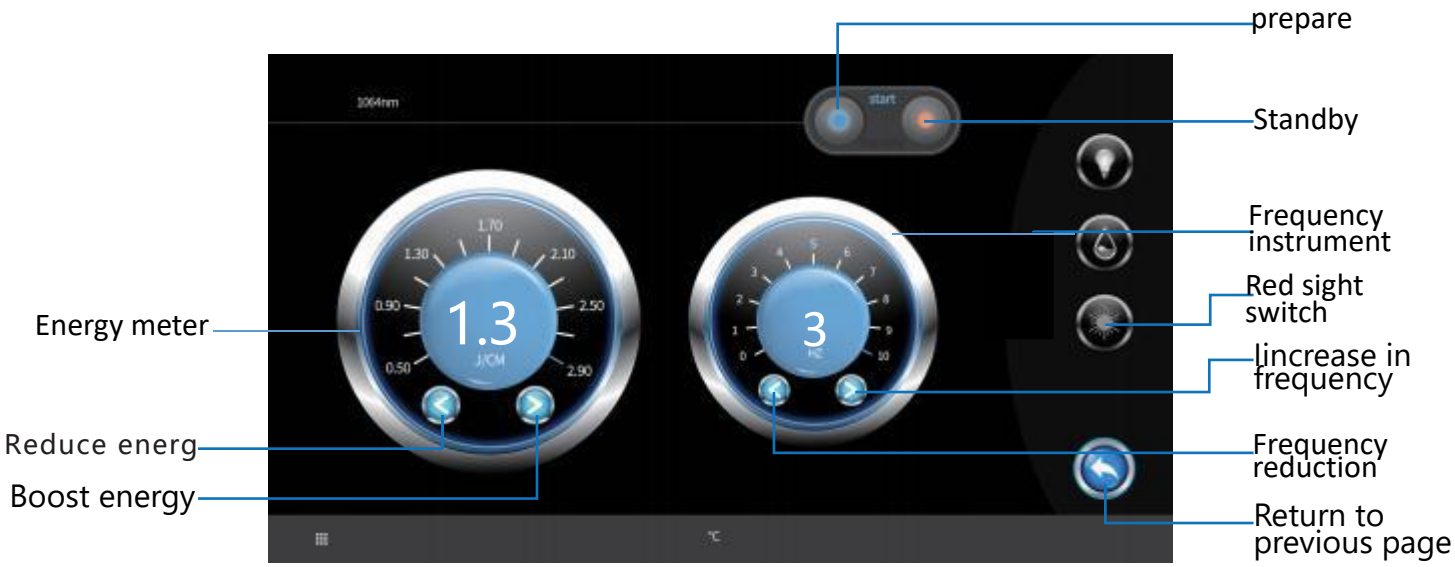
Figure (3-1) is the handle operation interface. Mode switching, energy and pulse width adjustment can be performed directly on the handle during treatment.

Interface description



(4 -1)

Figure (1-2), click the laser handle, go to Figure (4-1), select the treatment wave Long, click " ➡ " Go to the next page.



(4 -2)

Enter the figure (4-2), adjust the energy, frequency and pulse width (refer to the "Parameter Setting Table"), open the red aim, and click the "Ready" button for treatment.

Instructions

Parameter setting table

Parameter setting list

Type	EnergyJ/cm2	Wave length(nm)	Notes
Tender white and remove yellow	0.9-1.2	1064/785	Until skin is slightly red
Cuticular plaque	1.0-1.2	1064/785	Work until the spots turn white and bleed slightly
Dermal plaque	0.9-1.2	1064	Manipulate skin to slightly red
Melasma	0.7-1.0	1064	Work until skin is white or reddish
Mole removal	1.0-1.3	1064	Work until skin oozes blood or turns white
Eyebrow tattoo, tattoo, lip tattoo, Eyeliner tattoo	1.3-1.5	1064	New tattoo, black and blue, work until it turns white
	0.9-1.0	1064	Old-fashioned tattoo, black and blue, work until the tattoo turns white.
	0.9-1.0	532	Wash the color and work until the tattoo turns white
Blackhead	1.1-1.3	1064	Knock out the black spots

Hair removal handle parameter Settings

Wave length	Hair color	Hair color	Pulse width	Frequency	Energy	Time
808nm	Yellow skin	Brown	10~15	3~6	Start at 15	10 to 15 minutes
755nm	Fair skin	Golden	10~15	3~6	Start at 15	10 to 15 minutes
1064nm	Black and yellow bark	Black	10~15	3~6	Start at 15	10 to 15 minutes

Instructions

Taboo group

1, Pregnant women, high blood pressure, heart disease, diabetes;

2, People who are allergic to light are prohibited;

3. People with open wounds;

4. People who cannot avoid private life in the near future;

5. Prohibited during menstruation.

Matters need attention

Precautions after laser

1, ice, usually after treatment the skin will be slightly red, similar to the feeling after the sun, can be treated ,Apply an ice pack to the treatment area for 15-30 minutes.

2, strengthen moisturizing within a week after the skin will produce dandruff or scab, strengthen moisturizing repair, do a good job of prevention,Sun, no makeup, scab will slowly fall off after 3-5 days.

3, if there are phosphors, it is recommended to repair first, and then do picoseconds, such as directly do easy return melanin,Because the pigment was forcibly suppressed and isolated by harmful substances.

4, the operation of energy, according to the local weather, ultraviolet light, the adjustment of energy is different.

5, if there is a need to eat Chinese medicine every other week to operate, a week after the operation to fast light sensitive food (such as celery,Vegetables, spinach, vegetables, lemons, etc.) and photosensitive drugs (such as tetracycline, etc.).

Instructions

Precautions after freezing hair removal

1, do not use soap, shower gel within 6 hours of hair removal, and do not make up the treatment area. Isowash treatment,Area, do not use cosmetics on the day do not rub the treatment area.

2. Only use mild skin care formulas after freezing hair removal.

3. Dress loosely and keep dry after freezing hair removal.

4, do not expose to the sun after freezing hair removal, sauna, swimming.

5, do not use scrub, alcohol, antiperspirant after freezing hair removal, and avoid heat in the treatment area when taking a bath,Water, should use warm water.

6, within a week do not eat photosensitive food (such as celery, spinach, vegetables, lemons, etc.) and photosensitive drugs (such as tetracycline, etc.), spicy and irritating food.

Instrument parts list

Part	Quantity
Laser handle	1
Hair removal handle	1
Foot switch	1
Power cord	1
Carbon dust	1
Protective spectacles	1

Attention:

The machine is a photoelectric product,During operation， Be careful not to aim at people's eyes， after operation, you need to put the handle into the protective case， revent injury to people by misoperation.