

808nm diode laser

Model: D9F

User Manual



Notice

Dear Customer:

Thank you for your choice of the our instrument which designed and manufactured carefully by our company, in order to better play the effectiveness of the product, we sincerely recommend:

- Before using the instrument, please read this manual and keep it for future reference..
- Please follow the instructions in the manual for correct installation, use and operation.
- Forbid disassemble this unit and modify any parts.
- Except authorized personnel of this company, it is forbidden for others to open the cover and disassemble the host computer.
- Non-professionals are strictly forbidden to carry out repairs or alterations.
- In the event of any failure, please contact us.

This product does not belong to medical equipment, do not use it for disease treatment!

Product view

AS30 810nm semiconductor laser hair removal device is a 810nm precision wavelength hair removal device using the most advanced micro channel laser technology, is currently the best hair removal device in the beauty market.

Product Features

1、Laser: The world's top vertical stack laser

(1) Long service life: the sustainable light 5 million shots;

(2) The total 6 pcs of bar, single bar power up to 50W / bar

2、Efficient and stable cooling system

Laser cooling system with constant temperature cooling, to ensure that the entire system 7 * 24 hours of continuous work. Air-cooled + water-cooled way commonly used on the market can only work continuously for 2 hours.

3、Use of contact sapphire cooling system, efficient cooling conduction efficiency, make comfortable treatment

4、Intelligent water temperature control system: Avoid water temperature is too high, damage the handle.

5、The unique shape design and color match make the product more beautiful and fashionable.

Functional principle

808nm semiconductor laser hair removal system, using its unique long-pulse laser

penetrating the epidermis to the hair follicle site, based on the principle of selective light absorption, the laser energy is preferentially absorbed by the melanin in the hair, and then lose the regeneration of hair,

while the course of treatment

Application

Hair removal: armpit hair, beard, lip hair, hair line, bikini line, limb hair.

Skin rejuvenation: Reducing pores, whitening skin

Technical Parameters

Laser type: semiconductor laser

Laser wavelength: 808nm

Working frequency: 1--10Hz adjustable

Spot size: 12×12mm

Laser power: 300W

Input power: 1200W

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)

Instrument Components



1.monitor 2.key switch 3.Emergency stop switch 4.drain hole 5.handle 6.handle hanger
7.Water inlet 8.power cord socket 9.overflow hole 10.handle connector

Attachment list

1. Handle	1
2. Handle bracket	1
3. Water funnel	1
4. Power line	1
5. Instructions	1

Installation operation

1、Open the box and check

(1) Carefully remove the instrument and accessories from the package and save the package for future transport or storage. Check attachment by list of accessories.

(2) Check for any mechanical damage

2、Install the handle bracket and handle

(1) Install the handle bracket

(2) Connect the handle to the instrument; then place the handle on the holder.

Note: When the handle is connected, make sure that the blue buttons on the top and bottom of the connector are completely ejected, otherwise the water flow will not be easy to flow!

3、Instrument water

(1) Remove the fill funnel and connect to the fill hole on the back of the instrument;

(2) Injecting pure water or distilled water; until the overflow outlet water so far.

Note: Be sure to use pure water or distilled water, tap water or other water shall not be used.

4、Power on operation

- (1) Connect the power line and turn on the main switch of the instrument;
- (2) Turn on the power switch, emergency switch.

Interface introduction

Selection

Skin selection interface: six kinds of skin selection

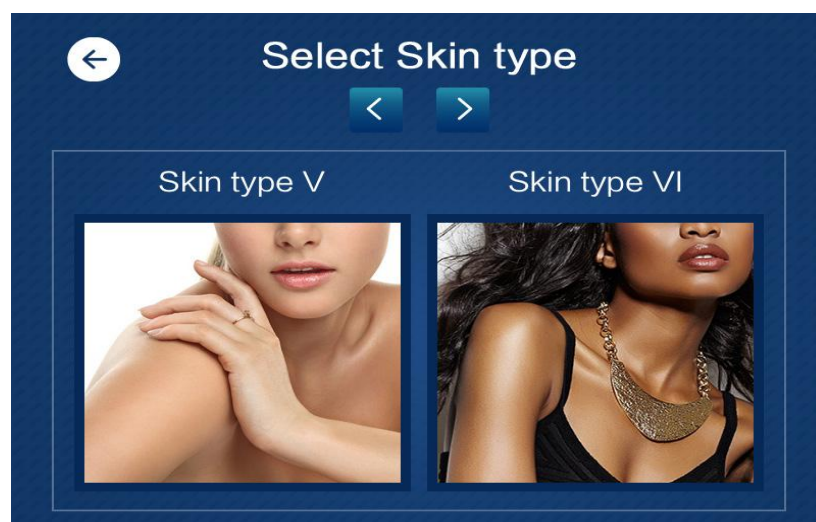
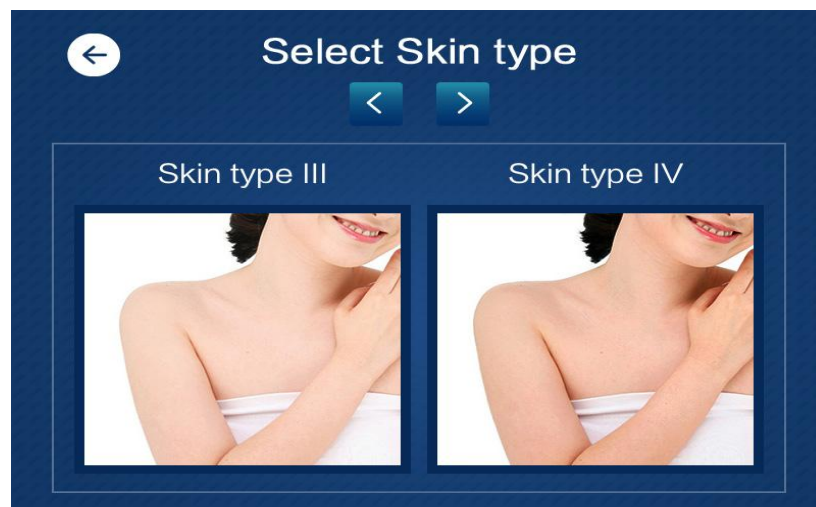
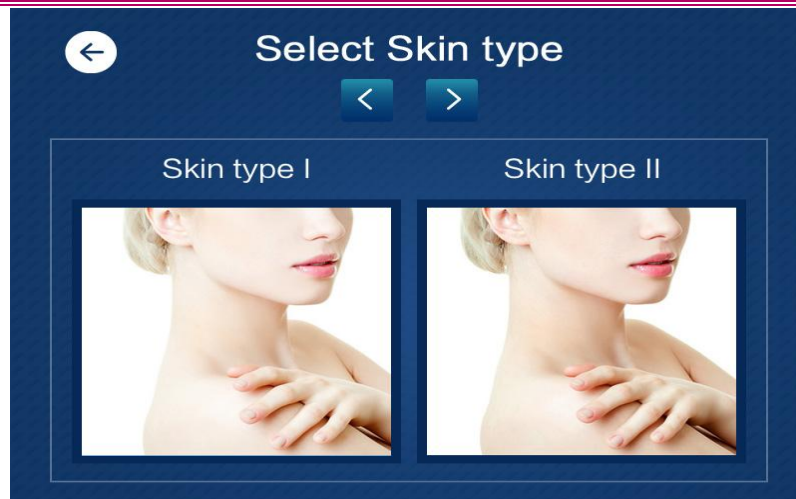
DIODE LASER

755nm Hair Removal

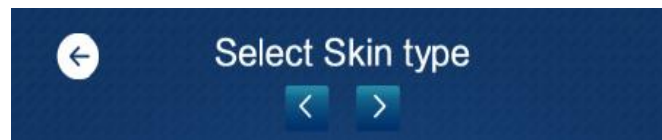
808nm Hair Removal

1064nm Hair Removal

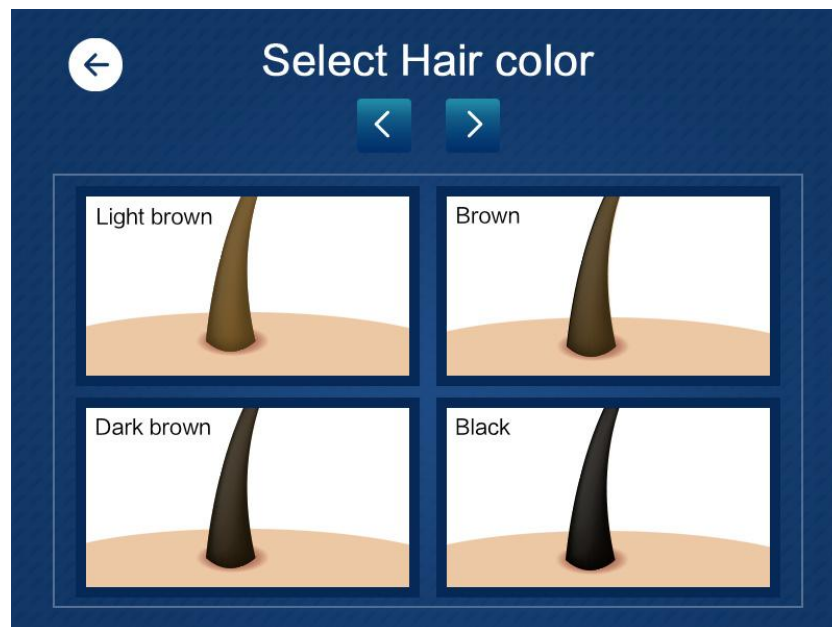




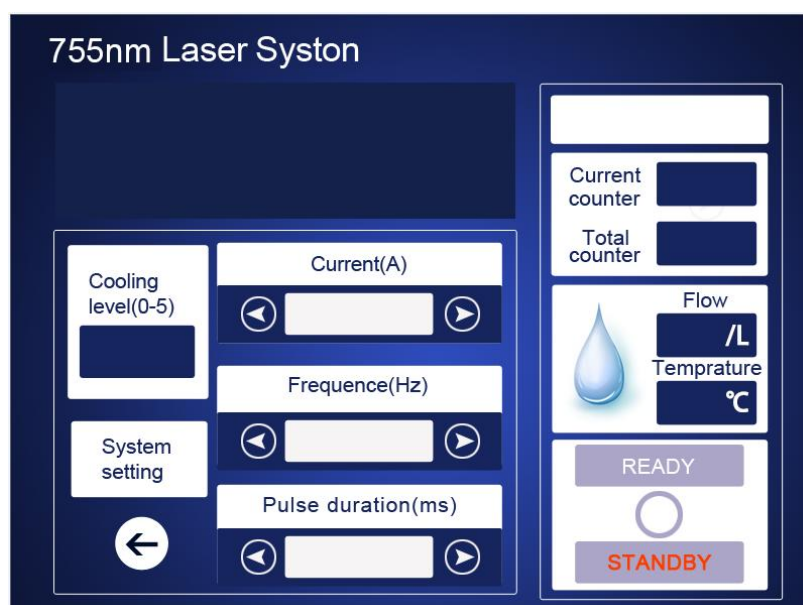
Extension button:

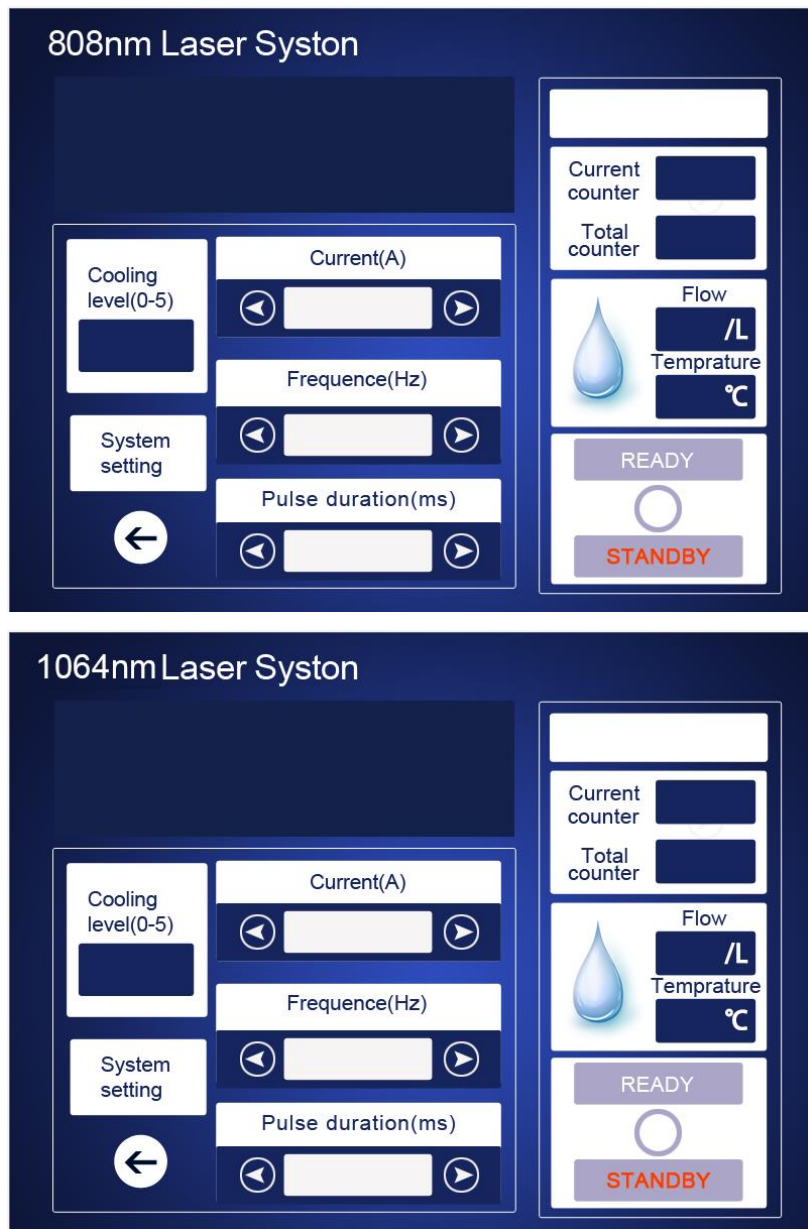


hair color selection:



working interface





- Cooling level : Cooling regulation (1-4)



Click the Cooling level button to display: select the cooling intensity level 1-4

- Current: Energy output regulation (10-50)
- Frequency: Frequency adjustment (number of light emission per second) (1Hz-10Hz)
 - ◆ 1Hz: Pulse width range is (10ms-500ms)

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- ◆ 2Hz: Pulse width range is (10ms-250ms)
 - ◆ 3Hz: Pulse width range is (10-160ms)
 - ◆ 4Hz: Pulse width range is (10-120ms)
 - ◆ 5Hz: Pulse width range is (10-100ms)
 - ◆ 6Hz: Pulse width range is (10-80ms)
 - ◆ 7Hz: Pulse width range is (10-70ms)
 - ◆ 8Hz: Pulse width range is (10-60ms)
 - ◆ 9Hz、10Hz: Pulse width range is (10-50ms)

- Pulse duration: Pulse width adjustment
- Count display:



- ◆ Current counter: Current usage count
- ◆ Total counter: Accumulated count of all operations

- Water flow and temperature display:



- ◆ Flow: Water flow detection
- ◆ Temperature: Temperature detection

- Working and pause selection button



- ◆ READY: Ready to work
- ◆ STANDBY: Pause to work

- ◆ Appears when the READY button is pressed



- ◆ Appears when the STANDBY button is pressed



- When pressing the READY button, press the handle switch to start shot
- Alarm display:

Display the following content in the prompt box:

- ◆ **Temperature:** Turn red and flashing (alarm when the water temperature is higher than 30 degrees)
- ◆ **Flow :** Turn Red and flashing (alarm when the water flow is below 2)

5. Setting Interface

Press System setting: Enter the setting interface

Operation Steps

1、Shaved hair

Before the operation, a shaving process, leaving 1-2mm hair on skin, to facilitate the absorption of light.

2、Apply cold gel

Apply a little cold gel with thickness of the coin on the operating part , should not be too thick, otherwise

will reduce the effect.

3、 The operation process

(1) Fit the skin, to avoid light leakage, slowly slide the handle probe to operate

(2) Energy adjustment: from the system default energy to start operating, if the operator feels too much heat, then reduce the energy; if there is a slight sense of thermal expansion, the melanin is absorbed by the wavelength of 810nm, laser light energy into heat, hair follicle destruction of melanin, there is the best results.

(3) Operation time: Legs :10-15 minutes, Arms: 5-10 minutes, Armpit: 5 minutes , lip hair: 3 minutes (for reference only, the specific time should be based on changes in hair, hair removal site size) , Observed Hair follicles red, raised, slightly curly hair, hair follicles swell, is the clinical endpoint.

4、 Skin cooling

After operation, cooling for 3-5 minutes on treatment location, or natural cooling soothing.

5、 Clean the skin

Remove gel, apply moisturizing product or body lotion

Operational precautions

1、 Forbid look into the glare from the front of the laser handle.

2、 Slow sliding handle operation, don' t stay in one place continuous shot light, so as not to cause customer discomfort.

3、 Treatment interval: interval 20-28 days

Attention after treatment

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- 1、 7 days after hair removal to avoid overheating hot water bath, suitable for warm water can be.
 - 2、 Avoid eating spicy, alcohol and tobacco, stimulating food
 - 3、 To avoid exposure, good sunscreen, wipe sunscreen, Cream
 - 4、 After hair removal to avoid pulling hair by hand. Good treatment hair removal

Equipment maintenance precautions

- 1、 it is recommended to replace pure water or distilled water every 1 month;
- 2、 The instrument should be placed at a temperature of 5 - 40 °C, humidity not exceeding 80%, clean and ventilated room, avoid direct sunlight.
- 3、 During machine working, to ensure that the instrument vents are not blocked, the instrument at least 5cm around the gap.
- 4、 Do not move the instrument over a long distance. Before shipping, drain all the water in the instrument, block all the water holes, and use the cushioning packaging provided by the manufacturer before shipping.

Taboo People

- 1、 Heart disease, high blood pressure patients
- 2、 Pregnant women, epilepsy patients
- 3、 Hypertension, diabetes
- 4、 Light allergy customers
- 5、 Long-term work in the glare of the crowd, the recent sunburn skin
- 6、 Short-term skinnable customers
- 7、 Customers who are taking antioxidants or hormonal drugs

Quality assurance

The instrument from the date of purchase (by bill) host warranty for 12 months, the handle warranty for 3 months, the warranty period of the fault (non-human phenomena) free repair. Exceed the warranty period can also be responsible for maintenance, in accordance with the provisions of the company to collect spare parts and consumables costs (shipping costs borne by the customer). If you need to add or purchase please contact with the company.

The following user personal reasons for the failure, does not provide free maintenance and warranty services:

- ① Disassembly, modification of this product caused by failure;
- ② Use of non-distribution of the company caused by the failure of hand tools;
- ③ Use careless, beat, drop caused by the failure;
- ④ Failure due to lack of reasonable maintenance;
- ⑤ Not in accordance with the correct use of instructions caused by the failure.

Warranty Card

Product Name		Customer Name	
Model		Tel	
Purchase Date		Address	
Repair date		Maintenance Content	
Issue Cause		Repair Man	