

# IPL hair removal machine

Model: D11

## User Manual



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## Notice

Dear Customer:

Thank you for choosing the well-designed and manufactured equipment of our company. In order to make the best use of our products, we sincerely recommend:

- Before using the instrument, please read this manual carefully and keep it in a safe place for future reference.
- Please correctly install, use, and operate according to the requirements in the manual.
- Do not disassemble the unit and modify any parts.
- Except for authorized personnel of this company, it is forbidden for others to open the cover and disassemble the host.
- Non-professionals are strictly forbidden to carry out repairs and alterations.
- If there is a problem during the operation, please contact us.

**This product is not a medical device. Do not use it for treatment of diseases!**

### Product Introduction

AS10 is a collection of the most popular facial care items in one of the beauty equipment, the application of the core of the beauty field of skin rejuvenation technology, clinical effect is remarkable, has been proven to be safe and effective in different skin types and skin color skin..

At the same time, the most advanced technologies in the field of optical cosmetology are used to effectively solve the two major problems faced by traditional optical hair removal: slow speed and pain; truly painless and rapid hair removal, bringing about a revolutionary change in optical hair removal, enabling beauty lovers Enjoy a relaxing and comfortable hair removal process.

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## Product advantages

- 1、 The latest mobile phototherapy operating technology, fast and efficient.
- 2、 The latest single pulse technology, no pain, easy and comfortable hair removal.
- 3、 Plug-and-play plug-in connector, water and electricity separation design, safer, easier installation.
- 4、 Water flow, water temperature self-check system, self-correction system to ensure the safe operation of the machine.
- 5、 The unique shape design and color match make the product more beautiful and fashionable.

## Functional principle

E-light - uses IPL and RF two-stage radio frequency technology to act on the entire dermis and connective tissue, stimulating different depths of collagen, rearranging and growing, so as to achieve therapeutic effects, dual-stage radio frequency release energy at the same time, using the skin to Selective absorption of light energy causes various lesions in the epidermis and dermis to produce photopyrogenic effects. Because its light energy requirements are much lower than the traditional IPL, it is possible to absorb more energy from various pigmentation and vascular lesions in the epidermis and dermis without damaging the epidermis. , to achieve the effect of treatment.

SHR - professional 610nm-950nm hair removal wavelength effective penetration depth can reach the hair papilla, continuous light guarantees that the target tissue generates enough heat to inactivate the hair follicles and surrounding stem cells, hair follicle shrink hair stop growing; the latest single pulse technology and sapphire contact The operation head allows the operation and cooling to be performed synchronously, which not only eliminates the long-term effect of the hair, but also protects the normal skin tissue from being harmed, so that the customer feels more comfortable during the operation.

## Application

Painless hair removal: permanent hair removal, indecent hair (growth hair) throughout the body, including lighter hairs.

Freckle removal: Remove freckles, chloasma, sunburn spots, age spots, acne marks, facial scars.

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Skin rejuvenation: Improve pores, rough skin, fine wrinkles, and restore skin elasticity.

Treatment of telangiectasia: red blood, facial flushing.

Improve dull complexion, make skin white, uniform color.

## Technical Parameters

Light Source: Intense Pulsed Light

Wavelength: 480/530/640nm--1200nm

Spot size: 15\*50mm

Energy: 1-50J/cm<sup>2</sup>

SHR Frequency: 1-10hz

Display screen: 8-inch color touch screen

Cooling system: water-cooled + air-cooled + semiconductor refrigeration

Input power: 1200W

Supply voltage: AC220V; AC110V (customizable)

## Attachment List

Handel	1
Handle bracket	1
Water filling funnel	1
Power Line	1
Instructions	1
Cooling gel	2

## Installation Operation

1、Unpack and check

(1) Carefully remove the instrument and accessories from the packing box, and keep the

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packing materials ready for later transportation or storage. Check attachments 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 bracket.

Note: When the handle is connected, make sure that the up and down blue buttons of the connector pop up completely. Otherwise, the water flow is not easy!

3、 Water injection

(1) Take out the water injection funnel and connect it to the water injection hole of the instrument;

(2) Inject pure water or distilled water until there is water outflow from the overflow.

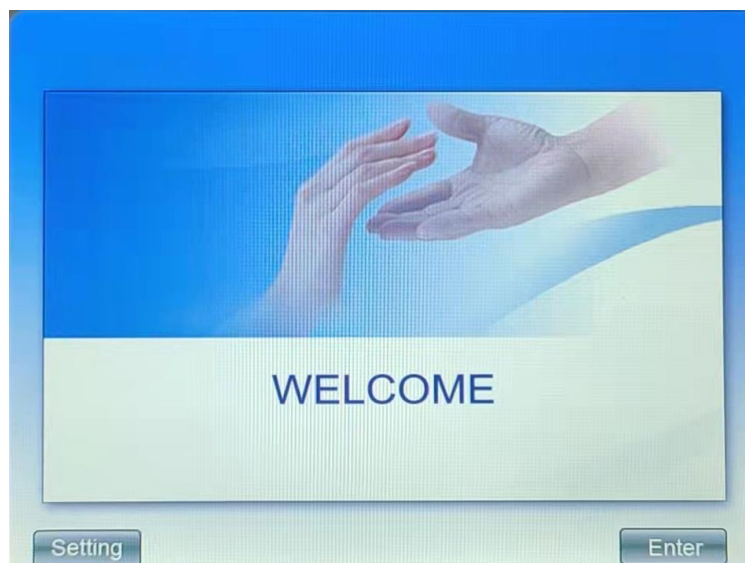
Note: Always use purified or distilled water. Do not use tap water or other water.

4、 Boot operation

Connect the power cord and turn on the instrument switch;

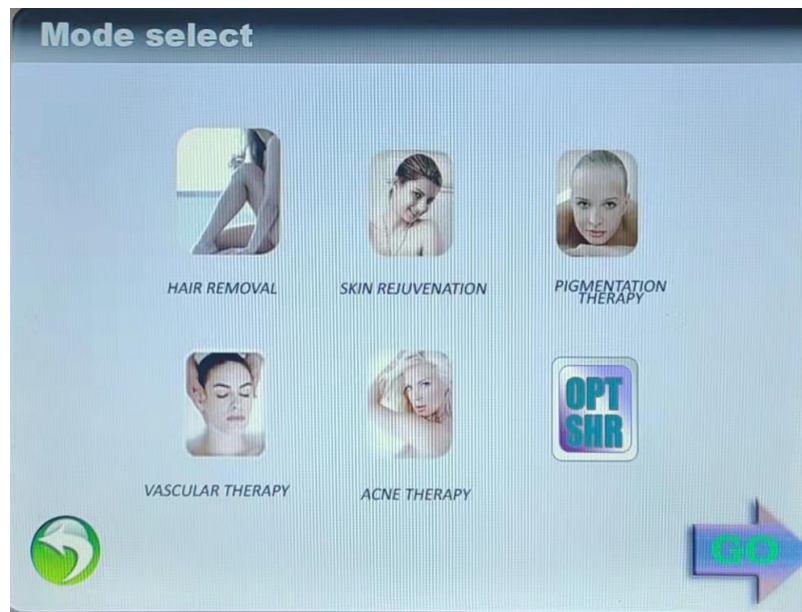
## Interface Introduction

1、 After the instrument is started, the system automatically detects it. Click the **Enter** to enter the function selection interface:

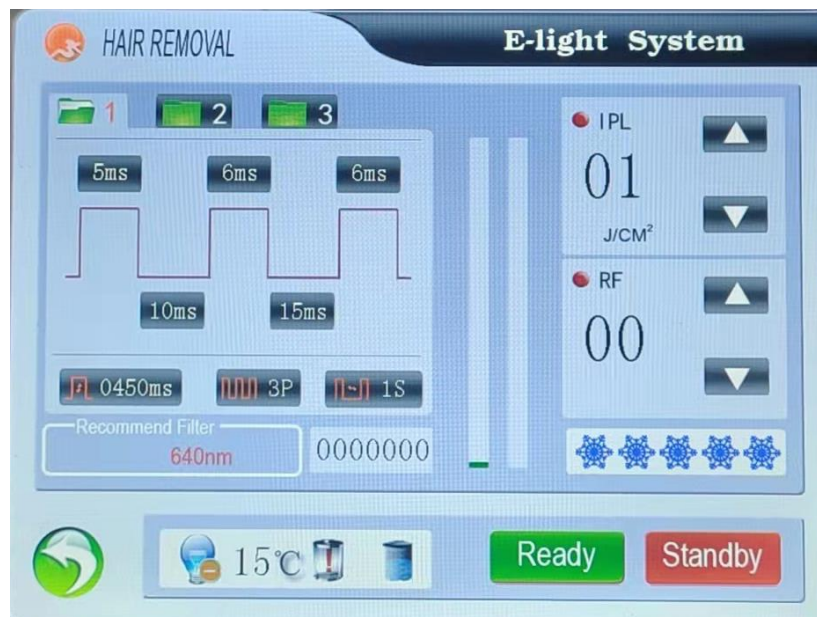


## 2、 Function instructions

① Click function options to enter the treatment mode interface:



② Click on the hair removal treatment mode to enter the operation interface:



③ E-LIGHT function operation interface description:



**Treatment records:** Show current treatment records, can record different treatment parameters, in order to treat different customers, click to change the treatment record, there are 3 options.



**Number of pulses:** Refers to the number of strong pulses emitted by the system each time the trigger discharge occurs. The increase in the number of pulses increases the depth of light acting on the skin, and can be adjusted by directly clicking. The adjustment range is 1-5.

**First Pulse Width:** Refers to the first intense pulse on the working time of the skin; Click on the font to turn red, Press below ▲ ▼ to adjust; Click the font recovery white again to exit the setting before proceeding to the next step.

**Sub-Pulse Width:** The working time of the sub-pulse on the skin is not displayed when the single-pulse application is applied. Clicking the font becomes red, Press below ▲ ▼ to adjust; click the font recovery white again to exit the setting before proceeding to the next step.

**Pulse interval:** Refers to the interval between pulse and pulse, click the font becomes red, press below ▲ ▼ to adjust; Click the font recovery white again to exit the setting before proceeding to the next operation.

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**RF working time:** Refers to the time when RF energy is applied to the skin, the adjustment range is 50-2500ms; click the font becomes red, press below   to adjust; Click the font recovery white again to exit the setting before proceeding to the next operation

**Energy Working Interval:** Refers to the interval between two light emission, direct adjustment can be adjusted, the adjustment range is 1-5s.

**Total Shots:** The total number of times the instrument is emitting light.

**Shots:** Shows the number of times the instrument glows for this operation.

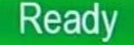
**Status indicator:** The lighting status, charging status, water level status, and water temperature status are displayed in order.

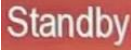
**Return button:** Used to return to treatment mode selection interface.

**IPL Energy Adjust:** Adjust the IPL energy output of the handpiece. During the adjustment process, the IPL energy display window will display the current output energy value.

**RF Energy Adjust:** Adjust the RF energy output of the hand tool. During the adjustment process, the RF energy display window will display the current output energy value.

**Cooling Adjust:** The treatment temperature used to regulate the treatment of hand tools is divided into 10 levels. The more blue snowflakes, the stronger the cooling, and the blue snowflakes disappear.

**Ready button:** Click  Trigger the handle, the xenon lamp lights, press the handle button to enter the light-emitting operating state.

**Standby button:** Click  Turn off the xenon lamp and exit the operating state.

④ Click "SHR" to enter the operation interface:

⑤ SHR operation interface description:





## Operational knowledge

### 1、Taboo crowd

- Heart disease, hypertension
- Pregnant women, epilepsy patients
- Hypertension, diabetes
- Photosensitivity customers
- Long-term working population in bright light, recently sunburned skin
- Short-term skinning customers
- Customers who are taking antioxidant or hormone drugs

### 2、Pre-therapy preparations

- ①、Preoperative consultation, fill in the file.
- ②、Preparation: Cooling gel, scraper, protective glasses, instrument warm-up
- ③、Steps: Cleansing - Cleansing the Face - Scrape Excess Hair - Cool Gel - Spot Test - Perform Treatment - Cold - Moisturize - Apply Repair Products

### 3、Physical care precautions

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- ①、 Must provide customers with strict and effective eye protection measures (eg, with gauze, protective eyewear)
  - ②、 In the physical therapy process, it is recommended that the gel thickness be 2-3mm, and the bald head should be the best for skin fitting. Do not press too hard or hang it empty.
  - ③、 During the physical therapy, the skin may feel slightly tingly and feverish, but it is within the tolerance of the customer.
  - ④、 The energy parameters can be adjusted by 2-3 or so, depending on the individual's ability to bear and the skin's response. Redness, heat, and tingling after the end of physical therapy are all normal phenomena. They can be faded in 30 minutes by cold compress. After the heat is dissipated, some pigments are broken down into tiny particles and extracted into the skin surface.
  - ⑤、 Clients with red blood cells need to first operate between 15-18 J/cm<sup>2</sup> of red blood cells. After 5 minutes, 25 J/cm<sup>2</sup> or so can be used again to repair keratin fade red blood cells. After operation, the bloodshot will become slightly clearer than before, and will gradually fade after 10 days.
  - ⑥、 The parts with freckles and dark spots will have pigment deepening after a few minutes at the end of the treatment. At this time, the pigments have been extracted from the epidermis, and will fade gradually with the metabolism within three to seven days.
  - ⑦、 After treatment, the skin will still feel hot and spicy, the skin is slightly red, usually about half an hour will recede (individual skin, especially sensitive skin, redness is a normal phenomenon in one or two hours); a few days after physical therapy will be Itchy feeling is a normal skin metabolic reaction and replenishment will ease.

#### **4、 After treatment**

- ①、 Heat dissipation can be cold, cold spray, natural heat dissipation.
- ②、 For replenishing water, it is recommended to use a hydrating mask for seven days in a row, prohibit steaming and steaming, and cleanse the face with cold water within ten days.
- ③、 For sun protection, SPF20 or more sunscreen should be used within one month after the operation to avoid direct sunlight on the operating site. It is advisable to use parasols and other

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sun protection products when going out.

- ④、 Within one week, pungent foods such as spicy food and seafood must not be eaten. Sensitive foods such as celery, parsley, etc. should not be eaten. Foods with high pigment content should be eaten less and alcohol and tobacco must be avoided.
- ⑤、 It is forbidden to use functional cosmetics during treatment, and hormone-type cosmetics are prohibited.
- ⑥、 The interval between two treatments is 28-45 days.

## Precautions

### 1、 Transport safety

The instrument memory precision devices, users try not to move long distances. Before transporting the machine, the water in the instrument must be kept clean, all water holes must be blocked, and the shock-absorbing package provided by the manufacturer must be used during transportation. Otherwise, the optical system may be misaligned and affect the energy output.

### 2、 Electrical Safety

There is a high voltage in the operation time of the instrument. After the power is turned off, the high voltage device may still have a residual voltage. Open the chassis at random and there is a danger of high voltage electric shock!

### 3、 Operational safety

- ①、 Water must be filled before starting, otherwise it will burn the treatment tool! And use pure water or medical distilled water.
- ②、 Check the circuit and waterway of the instrument immediately after power on, and observe the safety of the circuit and waterway from time to time throughout the operation.
- ③、 Never look directly at the strong light from the front end of the bald grip.
- ④、 In the treatment room, substances that can reflect light, such as watches, mirrors, and jewelry, are prohibited.

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⑤、 Always keep the light guide system clean and ensure that the cold gel does not contaminate the light guide system.

## Quality assurance

The instrument is warranted for 12 months from the date of purchase (with notes), the handle is guaranteed for 3 months, and the failure (non-human phenomena) within the warranty period is free of charge. Any person who exceeds the warranty period may also be responsible for repairs. The cost of spare parts and consumables shall be charged according to the company's regulations (transportation costs shall be borne by the customer). If you need to add or purchase, please contact us.

There is no free repair warranty service for the following personal reasons:

- ① Unauthorized disassembly, modification of the product caused by the failure;
- ② Failure caused by the use of hand tools not distributed by the company;
- ③ The use of carelessness, beats, falls caused by failure;
- ④ Failure due to lack of proper maintenance;
- ⑤ Failure caused by incorrect use of the instructions for use.

### warranty card

Product Name		Customer Name	
Product Model		Contact Number	
Purchase Date		Adress	
Repair Date	Cause of Issue	Maintenance content	Repair man