



HR-BX002

# Instructions

## Warning

Dear users:

Thanks for choosing our company's product, in order to fully make use of the products, we sincerely suggest follow:

- ◆◆Please read the instruction in detail and keep it well for further reading and consulting.
- ◆◆Please follow the instruction to fit and operate the machine correctly.
- ◆◆Please do not remove and change any accessories of the machine.
- ◆◆It forbids others to open and remove the mainframe except the authorized people in the company.
- ◆◆It forbids others to change and maintain the machine except the professional people.
- ◆◆Please contact us if there is any trouble during operation.

After Sale service

◆We offer ONE YEAR warranty. Within warranty period, all exchanges or replacement due to defects are free. (Buyer is responsible for shipping charges).

If the machine is over warranty, please also do not hesitate to contact us. we will assure you of our best service all the time.

◆How to contact us?

Phone:(+86) 189 -487-55929

Tel: 0755-86368500

Email: sales@mychway.com

This product does not belong to medical, please don't use for disease treatment!

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# 1. Introduction to Manual

## 1.1 Purpose

This instructions for use manual provides a description of the system components, its controls and displays, instructions for its operation, and other equipment information important to the user

 **Warning:** Do Not operate this machine before reading this manual thoroughly. In addition to this manual,additional clinical training may be available by the company or your local distributor. For more information on training available please contact your local representative.

## 1.2 Conventions

-  **Note:** Notes designate information of special interest.
-  **Caution:** Cautions alert the user to precautionary steps necessary to properly operate the system.Failure to observe these cautions may void the warranty
-  **Warning:** Warnings alert the user to information that is of the highest importance and vital to the safety of the patient and user

All procedures are broken down by numbered steps.Steps must be completed in the sequence they are presented

Bulleted lists indicate general information about a particular function or procedure.They do not imply a sequential procedure.

Control names are spelled as they are on the system,and they appear in Bold text

## 2. Brief Introduction

E-light applies three core technology, IPL, RF, and epidermis cooling. It combines the advantage of IPL and RF, in one hand, the skin absorbs IPL energy selectively, and the skin also absorbs RF energy, on the other hand, the RF-surface-touch cooling technology removing the discomfort and complications by high heat of IPL. Therefore, the effect and safety of E-light makes a breakthrough.

### 2.1 Principle

Applying the technique of IPL and Bi-polar Radio Frequency, the equipment acts on the entire skin corium and connective tissue, stimulates the collagens of different depth to realign and grow, then gets treatment effect. Bio-polar RF release energy at the same time, with the selective absorption for the skin to light energy, various pathological tissues of corium and epidermis creates Photothermolysis effect. Since light energy is far below conventional IPL, the pigment tissue and vascular pathological tissue of the corium and epidermis would absorb more energy without injuring the epidermis, and then remove these pathological tissues better and get the effect.

### 2.2 Application

- a. Hair removal (including dark skin);
- b. Skin rejuvenation
- c. Acne treatment;
- d. Removing freckle, age spots, sun spots, pigmentation troubles, etc;
- e. Removing red face, red capillary, and bottle nose.

### 2.3 System Self-checking

The circuit of system entering the self-checking situation when the machine starts, leave the machine carry on the self-checking for 5-10 seconds, then continue the operation.

### 2.4 System Classification

Electric shock protection: Grade1

BF Grade

Corrosion prevention liquid: ordinary

Do not use the machine in the environment mixed of flammable narcotic and air or nitrogen oxide mixture.

## **2.5 Equipment Consist, Specification, & Accessory List**

### 2.5.1 Technique Specification

- IPL Light Energy : 1-50J/ cm<sup>2</sup>
- Spot Size: 15\*50mm
- Pulse number:1-6
- Spectral region:530-1200nm
- Adjustable pulse width:1-10ms
- Power:1200W
- Filter:480nm/530nm/640nm
- Input Voltage: 110V+-10% 50Hz-60Hz;220V+-10% 50Hz-60Hz
- Cooling System: Water cooling + semi-conductor cooling + air cooling

### 2.5.2 Accessory List

1X Main Machine  
1x Hair Removal Handle  
1x Skin Rejuvenation Handle  
3x Filters (480nm/530nm/640nm)  
1x Power line  
2x Keys  
1x Blinder(used by customers)  
1x Protective glasses(used by customers)  
1x water-injected Funnel  
2x Holder

## **3. Standard Treatment Process**

### **3.1 Form filling**

Fill in the blanks of the Client File, confirm the treatment program, and remind the client pay attention to some points before and after treatment.

### **3.2 Face cleaning**

Clean the face with gentle face cream for 3 minutes.

Remind: clean the hands of operator and the handpiece with bromogeramine.

### **3.3 Preheating**

Start the equipment after face cleaning; preheat for not less than 3 minutes (without lighting the xenon lamp).

### **3.4 Shaving**

Shave the unwanted hair of the treatment area(2 minutes).

### **3.5 Gel coating**

Coating the gel evenly (2-3mm) on the skin.

Effect: light guide, cooling, anaesthetisin.

Attention: no coating on eyes, eyebrows, lips.

### **3.6 Eye protection**

Operator: wear the safety goggles.

Patient: close the eyes, wear professional safety goggles or cover the eyes with eye patch.

### **3.7 Allergic test**

Emit 2 or 3 light spots in the bottom of ears in safe parameter, observe for 3 minutes.

Effect: do not continue to operate if there is an allergic phenomenon.

### **3.8 Operation**

Carry on the operation with a suitable parameter to the patient.

#### **ATTENTION:**

3.8.1 Inform the patient that there will be a slight pricking in operation before operating, to avoid panic.

3.8.2 Start the operation with a low energy grade; adjust the parameters in operating while asking the feeling of the patient.

3.8.3 Move the light spot by one spot overlapping the upper 1/3 part of the previous spot. No emitting one area repeatedly, otherwise may cause inflaming or burns.

3.8.4 The handpiece should touch the skin vertically, no over pressing or leaving the skin.

3.8.5 Observing the reaction of skin while operating.

### **3.9 Cold compress**

Keep gel coating for 20 minutes after operation ending; carry out cold compress in

obvious slight reddish reaction till reddish fading away.

### 3.10 Cleaning

Clean the gel with cold water, coat corresponding cosmetics.

### 3.11 Treatment Course

Skin Rejuvenation Program: 30-45 days/time (4 times/course)

Hair Removal Program: 2-3months/time (3times/course)

### 3.12 Special reminding

3.12.1 Ask the client before treatment: is there a allergic or not; is there a bad reaction before for similar operation; fill the Client File concretely. Adjust the parameters on the basis of full acquaintance concretely. Adjust the parameters on the basis of full acquaintance of the condition of patient. Inform the patient the possible reaction in operation before operating.

3.12.2 In large area treatment or long time continuous operating, the water inside the equipment will warm up and the handpiece will be hot, interrupt the operation to refresh the water or leave the water cool down to continue operating.

3.12.3 Refresh the circulating water in one month; use purified water or medical distilled water.

## 4. Operation Instruction





#### 4.1 Before starting the machine

Accessories connecting:

##### 4.1.1 Connect the handle and filters:

4.1.1.1. Put the E-light handle on the hanger

4.1.1.2. Connect the E-light handle to the connecting port on the back board of the machine tightly.

4.1.2 Check the water holes of the backboard, make sure the water outlet hole is plugged well.

##### 4.2 Water infusing:

4.2.1 pull out the plug of the water inlet hole, insert the water funnel

4.2.2 infuse water till water spill out from the spillway hole.

##### 4.3 Checking

4.3.1 Make sure there is no water leaking;

4.3.2 Make sure there is no moisture or wet for electricity connecting parts;

4.3.3 Make sure the key switch is in the off position;

4.3.4 Make sure the emergency stop switch is in the on position.

##### 4.4 Starting the equipment

4.4.1 Connect the power cord, turn on the key switch;

4.4.2 Double confirm there is no leaking of water circulation, fold the protective cover by turning it right.

##### 4.5. Debugging

4.5.1. Make sure water and electric circuit is correct connected; then turn on the power to start the machine.

4.5.2. Turn on the master power switch on the backboard;

4.5.3. Turn on the emergency switch (clockwise turn) in the front side of the mainframe

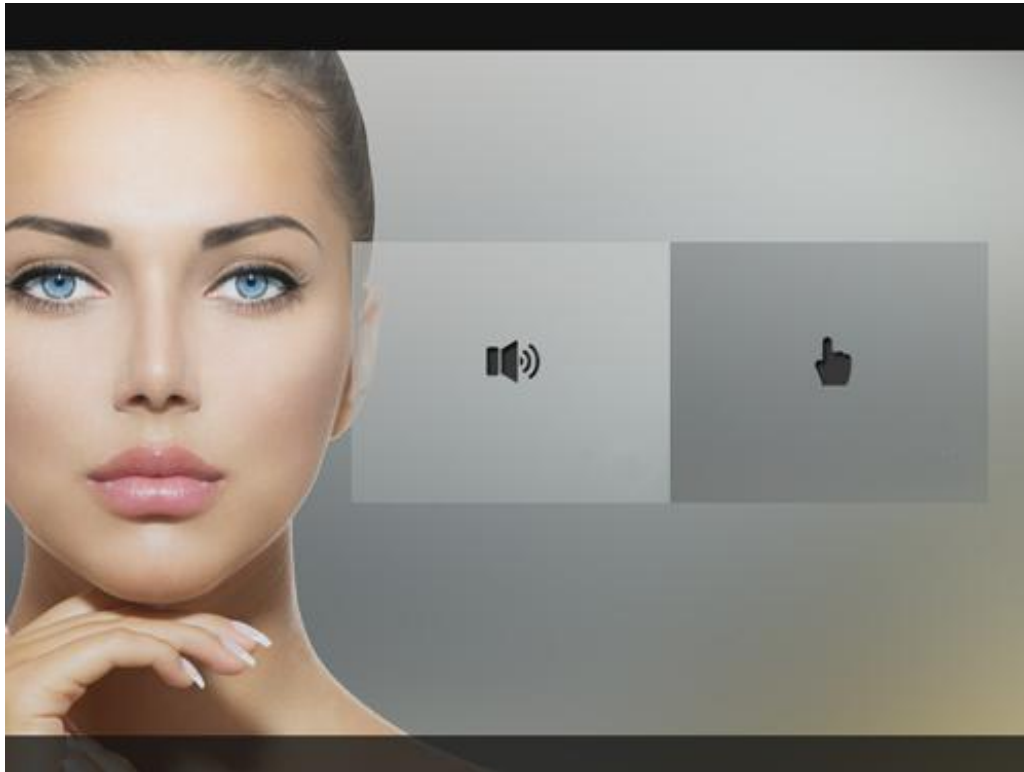
##### 4.6. Operation

Enter operation condition after debugging and no abnormalities found.

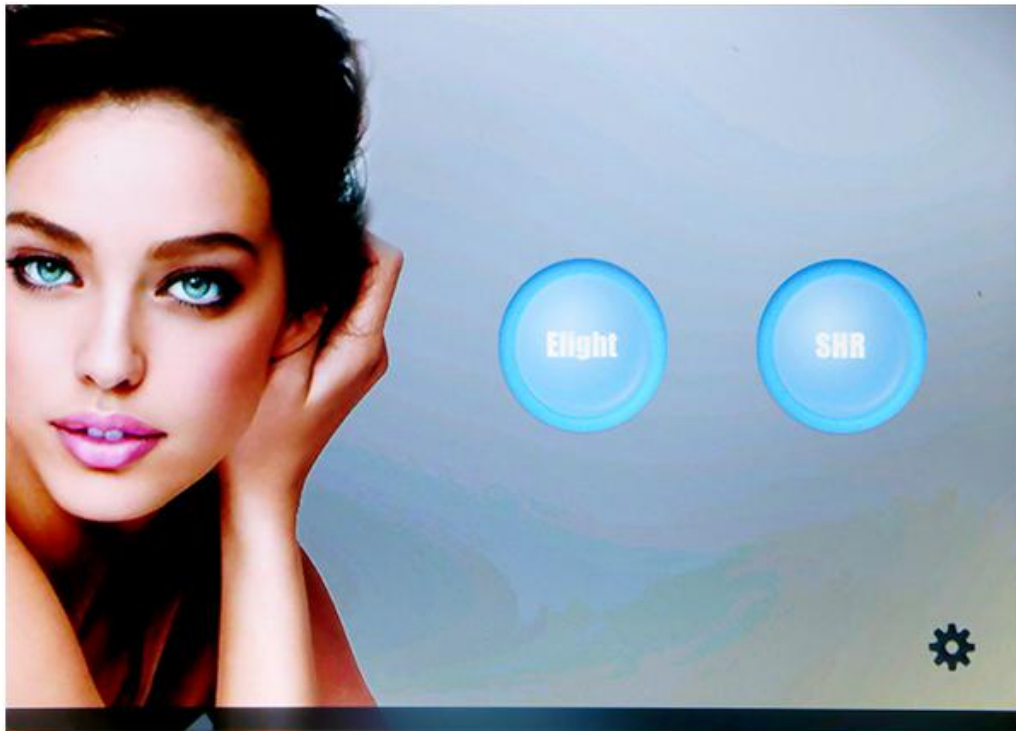
##### 4.6.2. Treatment Program Selecting Interface

- **Welcome Interface**

Press standby itiface( enter/voice).

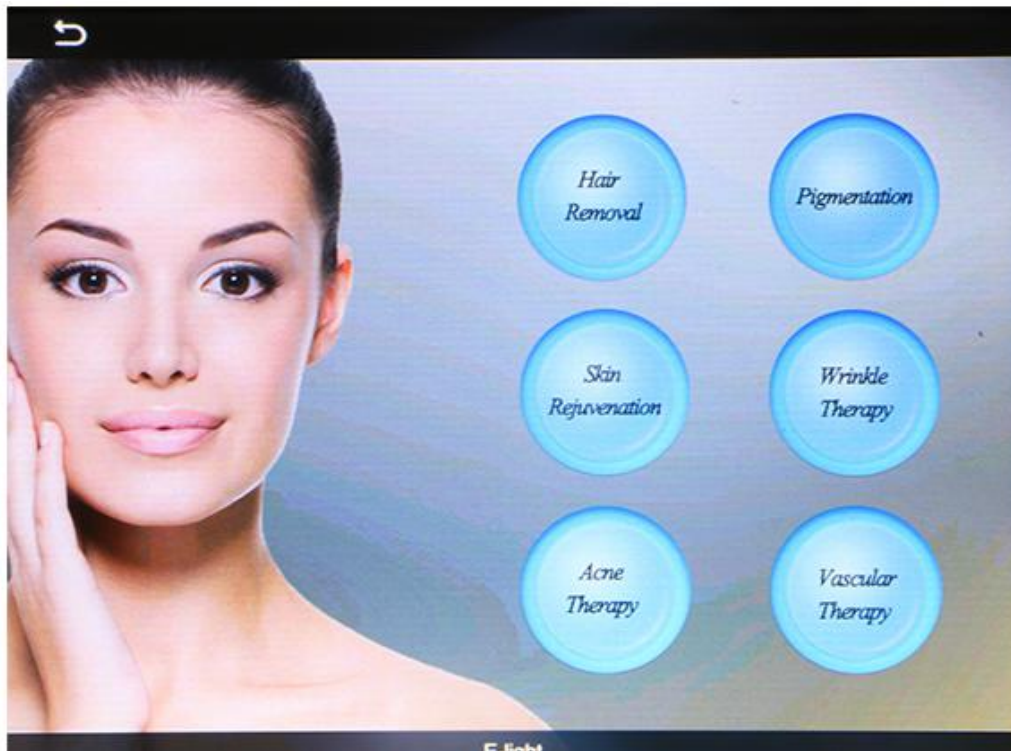


Enter into E-LIGHT/SHR selection.



- **E-LIGHT Operation**

Press E-light, enter into mode selection interface.



Press Hair Removal, enter into hair removal treatment.



Current Mode

Skin Color Selection

Treatment Area

Hair Type

Water Temperature

IPL Energy Adjustment

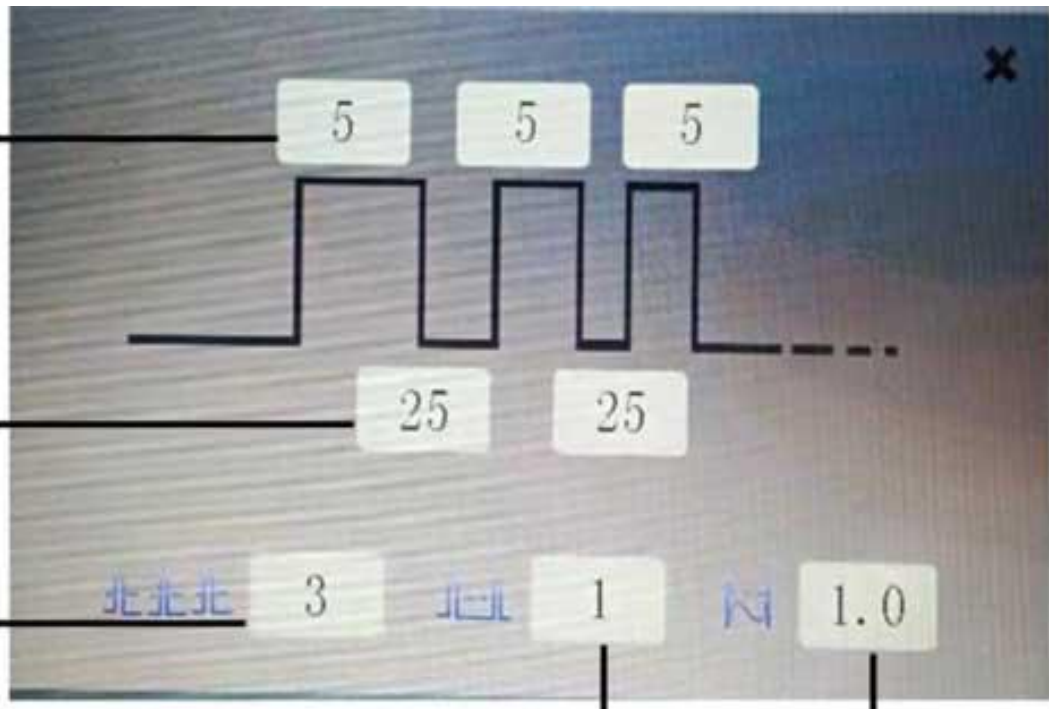
RF Energy Adjustment

Water Level

Cooling System Adjustment

Go Back

Ready/Standby



Pulse width

Pulse Interval

Pulse Number

Interval

RF Time



Water Level: examine if there is water in the machine, to proceed the next step there must be water in it.

Water temperature: the longer the time using, the higher its temperature.

Pulse Number: adjustable range from 1~6.

Pulse Width: adjustable range from 1~10.

Pulse Interval: adjustable range from 10~50


Interval: the time between 2 lighting, adjustable range from 1~4.

RF Time: adjustable range from 0.5~1.0.

IPL Energy Adjustment: adjustable range from 1~50.

RF Energy Adjustment: adjustable range from 1~100.

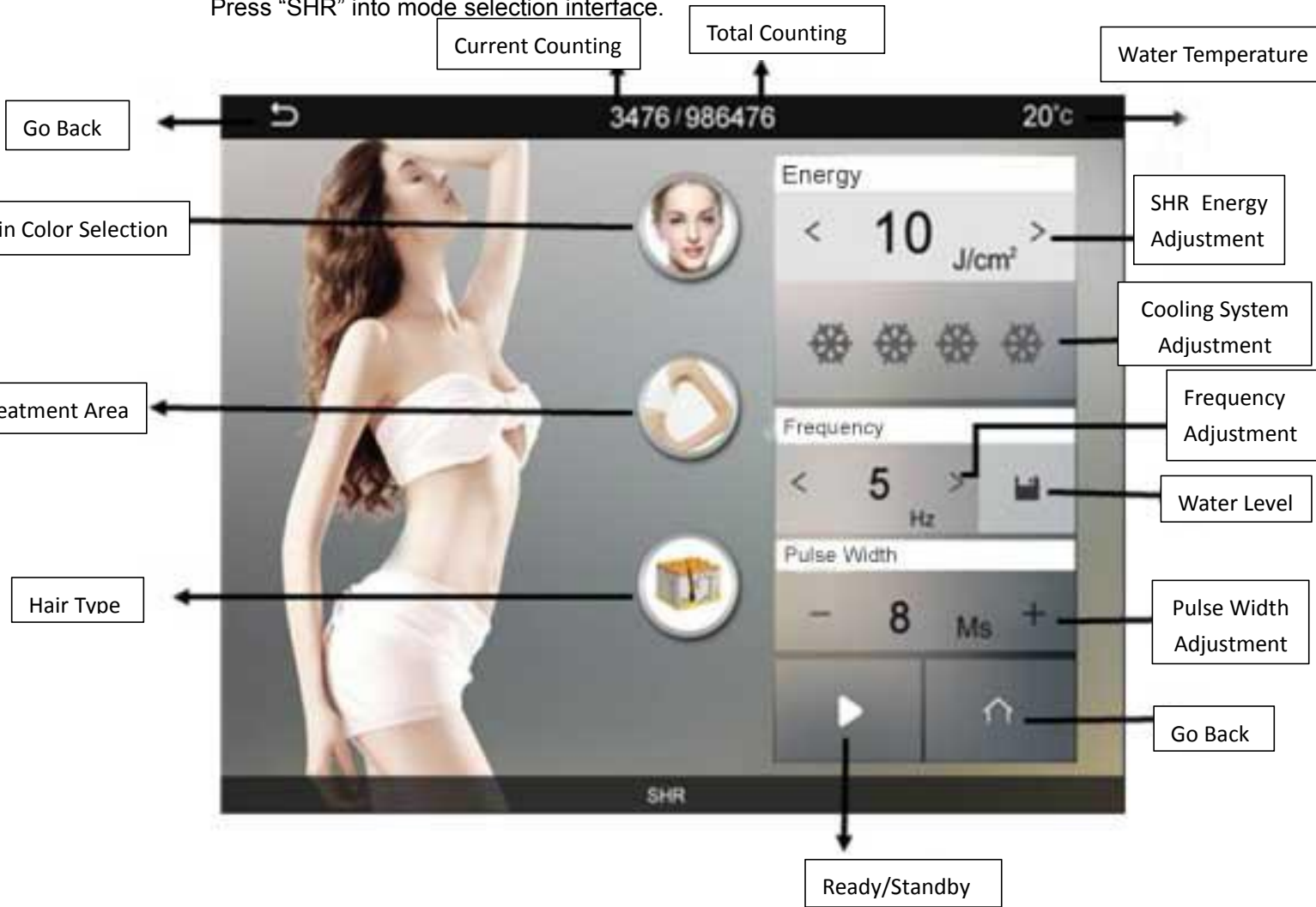
Cooling System Adjustment: within the range of 4 levels.

Ready/Standby:  stands for standby,  stands for ready, press the button on the handle into operating state.



● **SHR Operation**

Press "SHR" into mode selection interface.



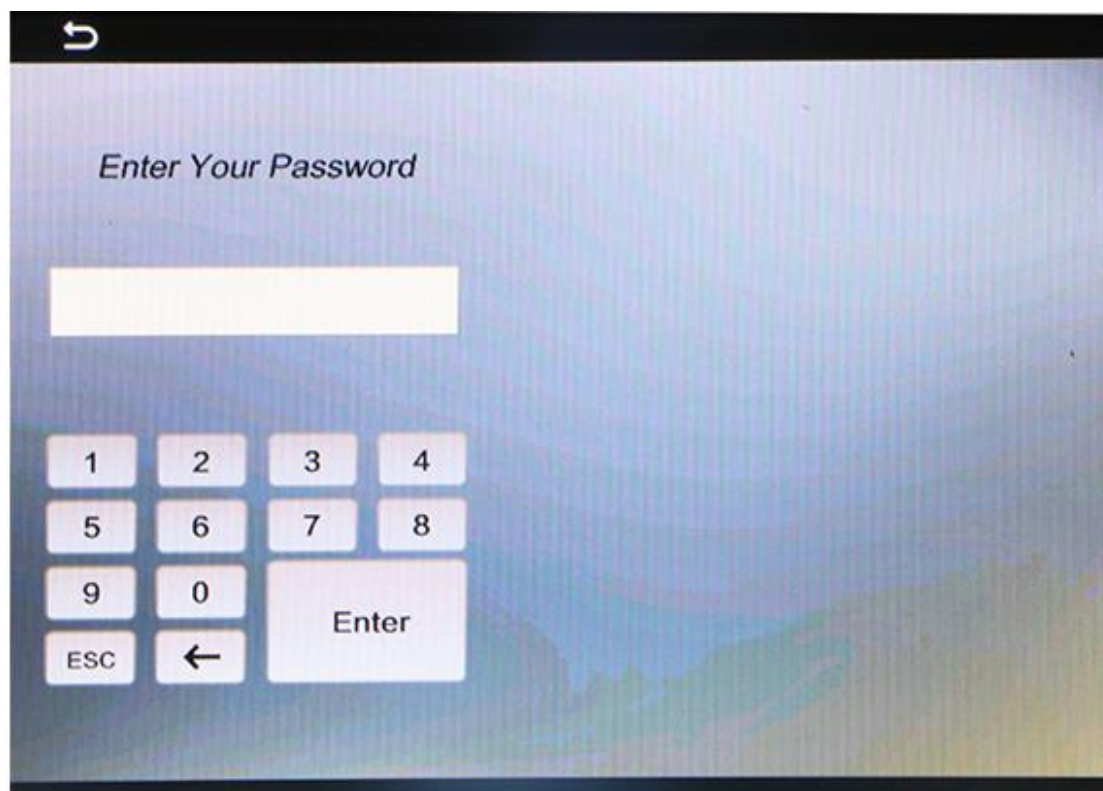
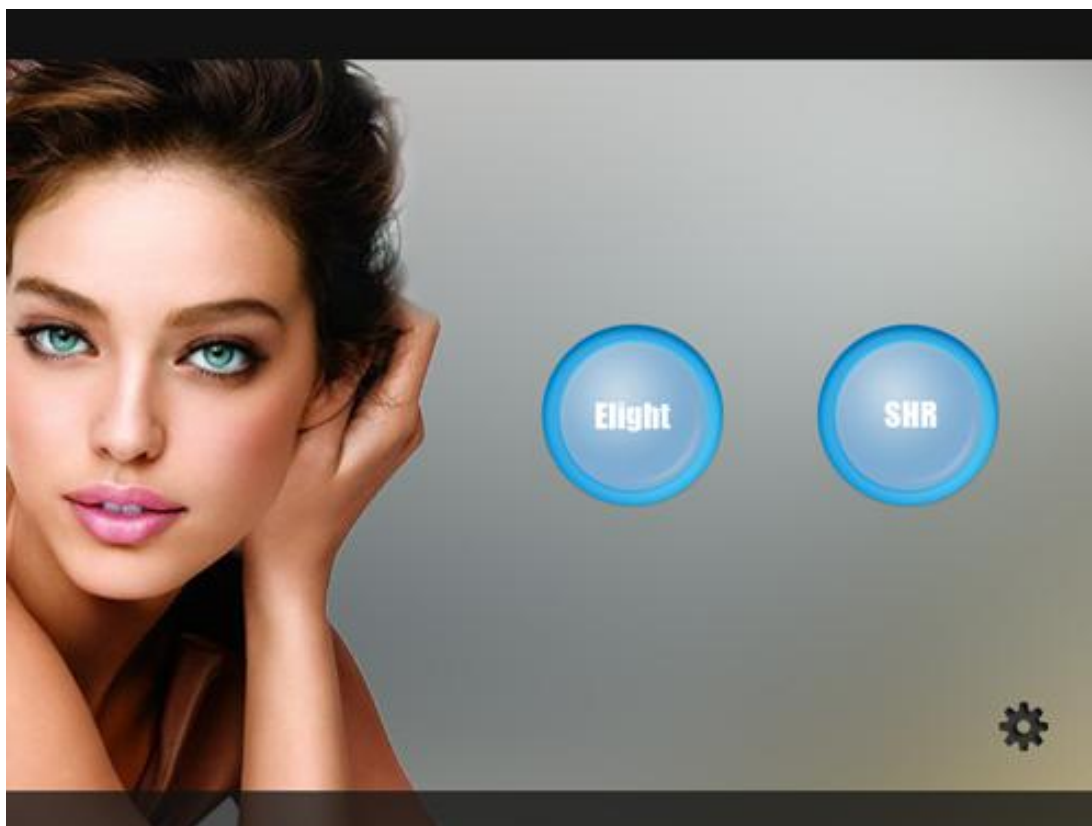
Pulse Width: adjustable range from 1~10.

Frequency Adjustment: adjustable range from 1~10.


Energy Adjustment: adjustable range from 1~50.

Cooling System Adjustment: within the range of 4 levels.

## 5. System Settings





Press  enter into background management.

Input the passcode then press “language” for language selection.  
“setting” “upgrade” are restricted to only engineer.

## 6. Treatment Advice

- Hair Removal: Strong pain, follicular orifice will become a little reddish, with a burning smell. Caution for arms, lips, and legs hair removal; avoid pigmentation by over high energy. According to the growing period of hairs, growing period- maturation period-rest period, 3 times of treatment will remove the hair completely.

Parameter control: Long pulse width, long interval, suitable energy.

- Skin rejuvenation: Strong pain under the patient limit, reddish; redness disappear in 10 minutes. No suggesting repeat operation.

Parameter control: Long pulse width, long interval, high energy.

- Acne scar: Patient would have a strong pain (under the limit of patient). Pigmentation will decline in 3-7 days.

Parameter control: Long pulse width, short interval, high energy.

- Vascular, redness: Using high pulse width on the basis of easing the skin.

Parameter control: Long pulse width, long interval, suitable energy.

- Pigmentation: strong pricking for the first treatment (under the tolerance of the patient). One minute after receiving emitting, there will be slight reddish, which will fade away in 10 minutes, (for someone special, maybe 30 minutes). Punctuate pigment will appear on the surface of skin and will be metabolized in 3-7 days.

Parameter control: Long pulse width, short interval, medium energy.

### Special Attention:

For the sensitive and dark skin, there might be delayed reaction in 24-48 hours, therefore do not raise the energy casually. Adjust the parameter value according to the whiteness of skin. The whither, the higher endurance of the skin is. For dark skin, please pay more attention to use long interval and suitable energy of parameter value.

### Skin care after treatment

1. Use some sunscreen lotion in case of sunburn
2. Pay attention to moisturizing skin very often.
3. Do not make a lot of face expression in 3 hours after treatment.
4. Do not never go to hot place, like Sauna, spa.



## 7. Safety Notice

### ● Safety of E-light

The equipment takes maximum consideration of the safety of both operator and operatee in the designing, the following are some safe measures of it:

Circuit self-checking after machine starting;

Using filter/light guide crystal, strong pulse light comes out only

Designed with independent safety circuit, electricity could be shut down automatically when the IPL power is too high;

Emergency stop switch, shut down the power in emergency;

Key switch to avoid starting the machine by any people;

Use high quality engineering plastic frame, preventing electricity creepage.

#### 【Alarm】

All strong pulsed light device may cause hurt by improper handling. Operators should keep vigilant and take necessary protection measures according to the manual.

Patient: Carry out the treatment in the professional treatment room; take effective eye protecting measure;

Operator: wearing protective glasses;

Treatment room: marked the treatment room clearly with in operating of IPL.

To ensure to the safe use of the equipment, please read the following instructions carefully.

No one except technician authorized by the manufacture could dismantle or repair the equipment, especially for the power source, handle; high voltage electricity inside;

Voltage rating: 220V;

Maintaining the equipment after disconnecting the power cord;

Keep the handle clean all the time; do not let the gel leaking into the handle;

In case leaking of the handle, do not start the equipment; already started, turning off immediately;

No emitting light to one area repeatedly, otherwise may cause inflaming or burns, and may leave pigmentation.

#### 【Alarms of Strong IPL】

IPL may hurt the eye or cause burns or fire, take all necessary prevention measures before operating;

Emitting too much light to one part may burn the skin which may cause pigmentation;

Do not watch the IPL light directly from the handle even wearing protective glasses;

### ● Electricity & Machinery Safety

Keep all the boards closed, open the board may bring danger;

There is high voltage electricity inside, some parts still carry electricity even after turn off the power, therefore, do not dismantle the backboard without under supervising by our technicians;

Do not move the equipment by pulling the handpiece;

Do not use the equipment in inflammable and explosive environment;

Do not use alcohol or acetone before treatment;  
Do not start operating before the handpiece dry enough after clean the handpiece or other parts of the equipment.

● **TABOO**

The following people are not suitable to be operated by the machine:

1. pregnant, high blood pressure, heart attack, diabetic;
2. allergic to IPL;
3. open wound parts;
4. people who could not avoid strong sun light;
5. scar, birthmark, or mole higher than the skin.

● **Attentions After Treatment**

1. Not using irritative makeups;
2. No hot water face wash or sauna in 7 days;
3. No stimulating food or pigmentary food as chocolate, coffee; no smocking; no drinking;
5. No scratch in case of scabbing;
6. Make a water replenishing care in 10 days.