

VE (IPL/RF) Beauty Equipment
Model #: VE802

User Manual



Catalogue

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I. Introduction of VE802 Equipment

1. Treatment theory

VE802 Equipment, the skin photo rejuvenation system, directly acts on the deeper skin tissue through the bipolar radio frequency, integrating the guide of IPL (intensive pulse light).

IPL treatment is effective based on its selective absorbability. When the intense pulsed light penetrates the epidermis, the energy of light will be greatly absorbed by the pigments in epidermis. High energy and dark color skin will be with high risk in treatment. Moreover, majority of the heat is reflected and refracted at the same time, only 30%-40% of energy is utilizable. Therefore, it needs to increase the energy for a better treatment result. However, majority heat is absorbed by the pigments in epidermis, which directly block to use high energy for treatment, so that affects the single treatment result.

Integrated with the excellence of IPL and RF, the machine makes use of selective absorbability of skin, results in the impedance differences between the target skin tissue and normal skin tissue. Even under the state of low energy, it will enhance the absorbability to RF automatically; greatly remove the side effect possibly originating from over light energy and the discomfort. IPL and RF are the most important two technologies in this beauty system. Of which, IPL is mainly applied to adjust the value of impedance, and guide radio frequency energy concentrate acts on the target skin tissue, and enhances its absorbability to radio frequency energy even under the state of low light energy. Because IPL is not the main energy, then avoids from reflection and refraction of main energy. Based on its characteristic, the heat effect originating from radio frequency heating on skin depends on the current density, which depends on the impedance distribution of skin tissue. the higher temperature of skin tissue, the lower impedance, then the bigger current density and the higher heat effect; vice versa. Therefore, the pigments in epidermis will not affect the radio frequency absorbability of target skin tissue. Radio frequency energy can well act on the target skin tissue and get a best result. At the same time, the exterior contact cooling technologies of probe, removes the over heat energy originating from IPL and increase the impedance of the epidermis, that reduce the epidermis absorbability to the radio frequency. All of these greatly increase the treatment results and safety, even to the treatment results of light skin tissue. Take full advantage of the integration of IPL and RF in this system, offer the best temperature distribution in deep dermis, which helpful to the exact treatment, effective on the deep dermis and connective tissue, that stimulate the renew of the collagen and do not affect the normal epidermis.

2. Applications

Hair removal, skin rejuvenation, pigment therapy, vascular therapy, breast liftup

3. Parameters

Power Supply Output: 1500W

Capacitors Number: 3 (10000uf/1pcs)

IPL Light Energy: 1-50J

RF Energy: 1-50J

RF Frequency: 6MHz

Pulse Duration: 1-9.9

Plus delay: 1-99

Pulse/Discharge interval: 1-4ms

Pulse No.: 1-6

Handpiece number: 1

Spot size: 12x30mm or 12x40mm optional

Wavelength: 480/530/590/640/690nm standard

Cooling System: semiconductor+ air + water +cooling system

Skin Cooling: $\leq 0-10^{\circ}\text{C}$

Display Screen: 7.4 inch color touch LCD screen

Dimension: 42 x 63 x 54 cm

Weight: 30kg

4. Contraindications

- a. Pregnant women
- b. Insolation in the sun
- c. be hypersensitive to light or medicine, or are taking medicine that sensitive to light
- d. Using vitamin within 6 months
- e. Not representative naevi or malignant pathological changes in the treatment area.
- f. Pacemaker or quiver dispelling machine user
- g. Herpes or trauma
- h. Pimple record
- i. People who accept Hirudin etc. treatment (should stop using it before 2 weeks).
- j. Serious diabetes patient, high blood pressure sufferer, and epileptic

5. Course of treatment

Time Treatment	Treatment times needed	Interval between two treatments	Remark (requirements)
Vessels treatment	3 – 6 times	21–45 days	1. The patients should be suitable to accept treatment. It means they don't have the symptom described in Contraindications 2. No hypersusceptibility recently 3. The patients should cooperate with operator's instructions after treatment 4. Clean treatment area after treatment
Pigmentation treatment	3 – 5 times		
Wrinkles removal	3 – 5 times		
Skin whitening	3 – 5 times		
Skin rejuvenation	3 – 5 times		
Breast treatment	5 – 8 times		
Hair removal	3– 5 times	14 –21 days	Shaving the unwanted hair at the treatment area

Remarks: Operator should adjust treatment or repeat treatment according to the actual condition of each patient.

II. Operation instruction

1. Security introduction of the intense pulsed light

VE 802 equipment is high technology iatric equipment, for various face blemish elimination and redundant hair removal on body. After eligible training, it's safe to use.

Operators and assistants must know the security notice in this chapter. Most important, It's the safest design for both treatments. All are as following:

- a. Automatically inspection after turning on the machine
- b. Adopt the closed filters and filter of transferring light, and the light only emit from the probe
- c. Independent electro circuit, automatically stop working when super energy
- d. The red pause switch facilitates your urgency

【ALARM】 Any intensive light without incorrect using can injure the body. In the course of working, the machine will produce high pressure. So every operator should keep alarm, operating according to this introduction.

Patient: it's more important that seasoned operator and appropriate disposal treatment room. Moreover, the patient should also know the treatment theory and wear the professional protective eyepatch, protecting eyes from burning.

Operator: during the treatment, it's possible to touch the intensive light. So it's necessary to wear the 3 grade blinder.

Treatment room: the room must clear mark "using intensive light"

【MAIN ALARM】

For safe using, should carefully read the alarm notice:

- a. Except the authorized mechanic, any others have no right to examine and repair the IPL setup, especially the inside of machine that including electrical source, cooling system, optic organs and treatment head. Notice the dangerous high pressure inside.
- b. Make sure whether it's accordant to your resident voltage or not.
- c. Maintenance must after turning off the machine and drawing out the electrical source line. Or it's most possible to injure people and damage the equipment.
- d. Keep the filter and the probe clean. Do not let the cooling gel enter into the probe
- e. Stop turning on when finding slack from treatment head. If turning on, close right now.

【ALARM ON INTENSIVE LIGHT】

- a. The intensive light is possible to burn eyes or fire. So it's necessary to protect in any way.
- b. Over light energy could burn skin, that results in atrophy or pigment deposit.
- c. Do not directly see the intensive light or laser light during treatment, even wear the protective glasses and eyepatch.

d. Do not point the treatment head to the air. Generally, hang it in the bracket. Point to the treatment parts when operating.

2. Security introduction of the electricity and equipment

- a. Keep close both panels and cover board.
- b. High pressure inside the equipment. It's possible to deposit electricity in some parts even after switching off. So it's not allowed to open equipment beyond the authorized mechanics.
- c. When maintaining, please close power, cover board, and observe in person.
- d. Total weight is 80 KG, so please take care when moving.
- e. Safe power line designed with 3 cores.

【PREVENT FIRE】

- a. The temperature will raise after absorbing light energy, so please take actions to reduce the flammable risk on treatment parts or around area.
- b. Do not use ethanol, acetone or other flammable things on skin before treatment. If necessary, please use soap or water.
- c. When listerizing the treatment head or other parts in ethanol, please wait till dry.

【SYSTEM SAFETY SETTINGS】

- a. There are some safety settings inside equipment, so please know their places and using methods.
- b. Key: it's used to open or close the power, only provide by our company.
- c. Emergency button: the red switch is used to switch off power on emergency. Press it can switch off the power right now. Wrest it clockwise, the machine will be go on working. Or the machine keeps turning off.

【AUTOMATICALLY INSPECTION】

On turning on the machine, it will be inspecting automatically. About 1-3 minutes running automatically, then it enters into the next step.

【CLASS OF EQUIPMENT】

- a. Class of motor protection:1 CLASS,BF CLASS
- b. Anti-corrosive liquid: general
- c. Not allowed to use in the air mixed flammable anesthetic and nitrous oxide
- d. Operation manner: continuous operation

III. Installation

1. Components of the device

Main machine

Power supply system
Computer system
Cooling system
Controller

Handle

Probe
Filters

Assembly parts

Key
Cleaner
Power line
Water pipe
Water funnel
Pedal
Professional protective glasses
Professional protective eye patch
Main IC card / 1pcs
Terminal IC card/ 20pcs



NO. 1



The Key, turn right 90° to turn on machine

Emergency Button: keep it bounce in working; when press downwards, the machine will be power off immediately; turn right to recover)

Emergency button---keep it bounce in working; when meet some emergency, you can press the button downwards, then the machine stop all working and power supply immediately; turn right to recover working.



Sequence of orifice from left to right:
Water spilt orifice, water inlet.

Joint of pedal

Water outlet

Joint of power cord



Current broker: automatic current protection---stop all power supply immediately when meeting electricity leakage, quick reaction than the fuse

Accessories



Note: pedal (foot touch) is to control pulse light output, same function as the control button on handpiece. It's optional in actual treatment.

More introductions to the handle:





Attention:

1. Press the metal filter shape downwards, to ensure stable filter insert
2. Keep the filter clean before and after the treatment.

2. Installation and Operation instruction

a. Open the package when receiving the machine, place the machine on the level ground. (If there's water on the surface of the machine, please wait till dry then input water to test.). Keep 22°C-28°C temperature and the humidity not more than 20% in the treatment room.

b. Input water (*water source: pure water or distilled water*):

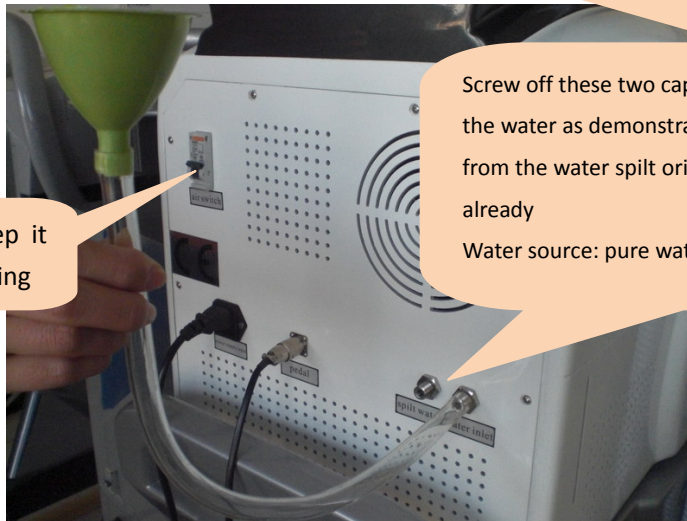
a). screw off the screw caps of water inlet and spilt water orifice at the same time (*After inputting the water, do not tighten that two screw caps till good water circulation inside.*)

b). connect the water tube and water funnel well and insert the orifice to input water;

c). automatic water spilt from the spilt water hole, means enough water input:

Caution: After inputting enough water, do not tighten those two screw caps for water inlet & water spilt till good water circulation. If take a movement, pls tighten those two screws.

Change the water inside of the machine every 1month or 3 months.



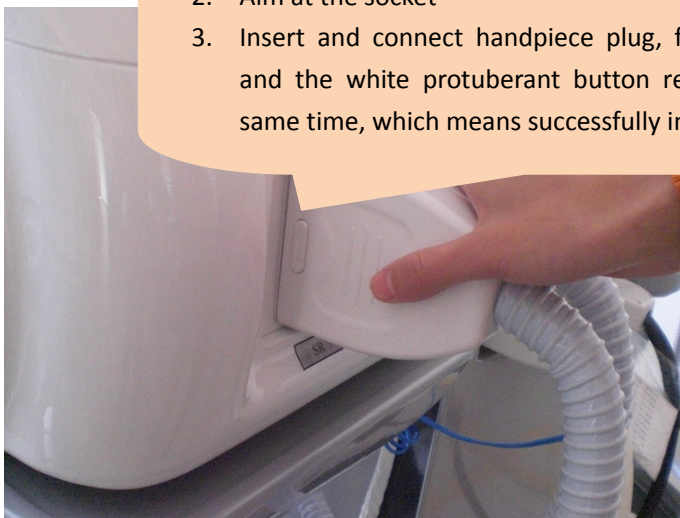
Air switch---keep it bounce in working

Screw off these two caps at the same time, and input the water as demonstration. Automatically water spill from the water spilt orifice, means input enough water already

Water source: pure water or distilled water

c. connect the handle plug, show as follows:

1. Press this white button downwards
2. Aim at the socket
3. Insert and connect handpiece plug, following one clicking sound and the white protuberant button rebound automatically at the same time, which means successfully insert the handle plug



Note: When draw out the handle plug, please press this protuberant white button and draw outwards with balance force.

d. Join the power line and turn on the power source

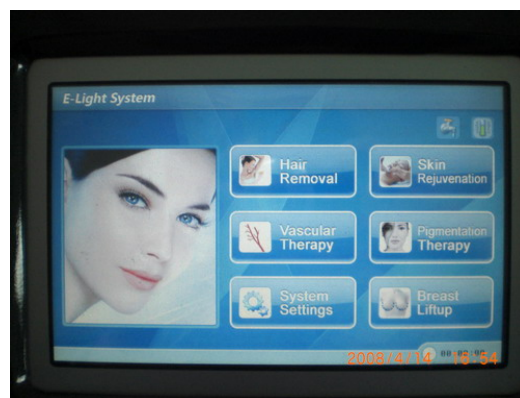
After turning on the power supply, please observe the water circulation from the slot on side panel. Normally, you will see the water flow and hear the sound of water flow. About 3-5 minutes later, the probe (crystal) runs cold; at this time, it's able to insert the relevant crystal and start to operation. Or not allowed to do any operation to machine.

e. if the probe turns to cold, can insert the filters, pls look at the above demonstration for "usage of filters). Then allowed to do actual operation.

f. Press the push-button on handle or step the pedal to control the shots (pulse output). The first 3 shots should point to the ground, do not point to the actual treatment area.

Demonstration:

Insert the key and turn on machine, the first display will show as follows:



Turn off the machine

pls repeat this for another 2 times

PS: this is to make sure water cycles normally, only when it cycles normally can the machine work in stable state. You will hear the sound of water flow. 3-5 minutes later, the probe runs cold.



If the water doesn't cycle well or the probe does not cold, there might be some air in the pump. We suggest do as following:

a. Turn on machine, **when show the first LCD display, please do not do any other operation.**

Note: please do not tighten the caps of water inlet and water spilt till good water circulation;

b. turn off machine

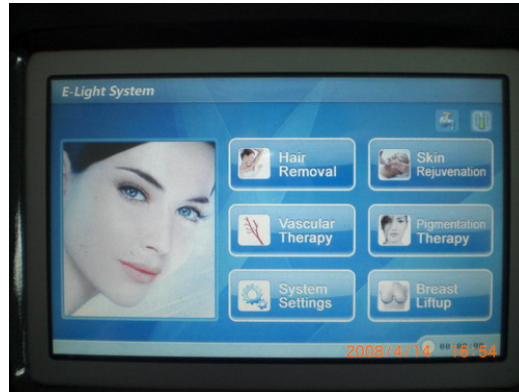
c. Grip the white hose vertically and slack and repeat



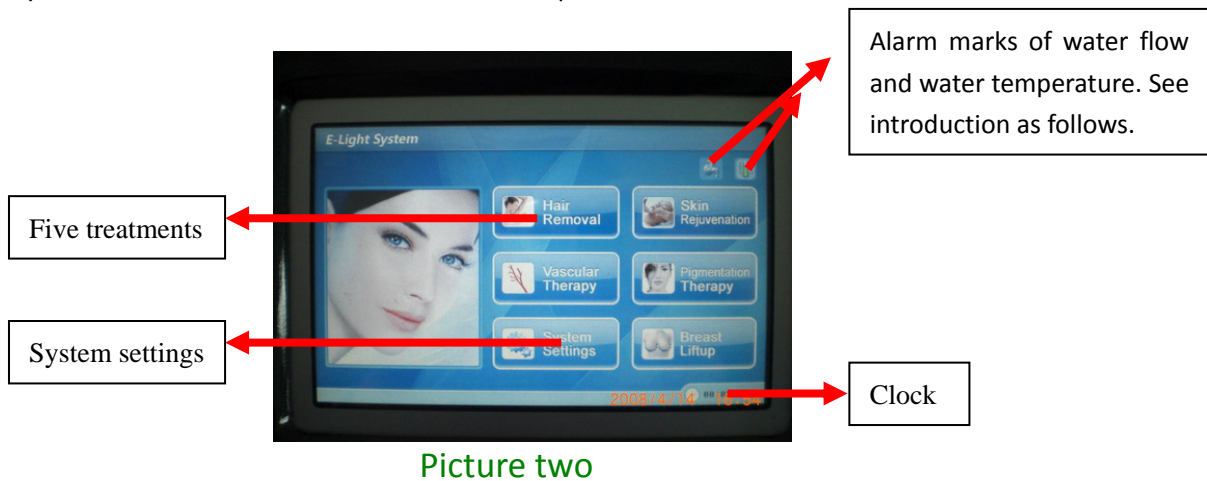
- d. Repeat above operation for some times, till the air exhaust from pump. In response, the probe will turn to cold after 3-5 minutes.
- e. you can tighten the caps of water inlet and water spilt at this moment.

3. Operation instruction of LCD controller

- a. When turning on the machine, the screen will show as the picture one:



- b. Touch anywhere, the screen shows treatment menu, as picture two:



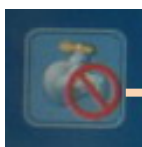
Introduction of alarm:

1. Alarm of water temperature:



Alarm of water temperature: when temperature is higher than system setting---55⁰C, the indicator will show as this and alarm sound following at the same time. In response, the machine will stop all working immediately

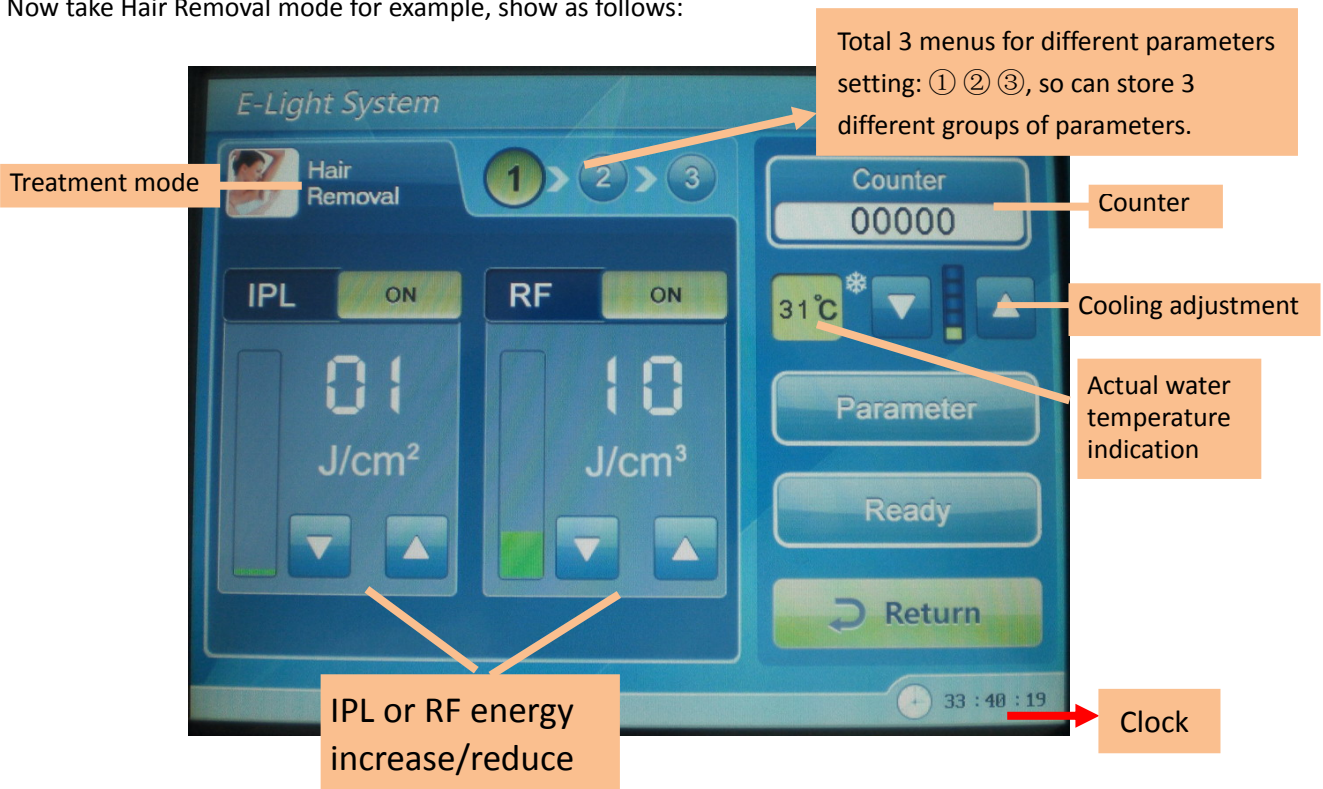
2. Alarm of water flow:



Alarm of water flow: no water or little water or no water circulation inside, the indicator will show as this and alarm sound following at the same time. In response, the machine will stop all working immediately

c. Select relevant treatment mode, such as Hair Removal, Skin Rejuvenation...

Now take Hair Removal mode for example, show as follows:



Picture three



1 is for black skin

2 is for other skin

3 is for white skin



Keep the top cooling grade or higher cooling grade in actual operation

Energy adjustment



Insert 640 nm filter to handpiece head



Touch "Ready" on LCD display, press the control-button on handpiece or step the pedal continuously, pulse output from the probe, means can do the actual operation.

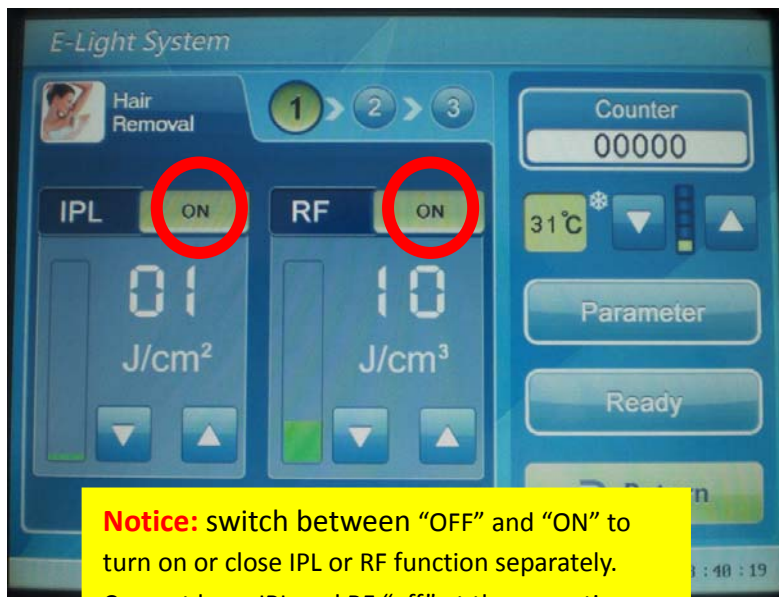
After operation, can touch "standby" to stop the system; touch "return" to return to the display (picture 2)

Note:

1. please do not point the probe to people's eyes directly; the intensive pulse light is alarm to people's eyes.
2. Actually we have set up parameters well before shipment. Generally you don't need to set those parameters every time; just adjust the IPL and RF energy and the cooling mode in actual operation

After operation, can touch "standby" to stop the system; touch "return" to return to the display (picture 2)

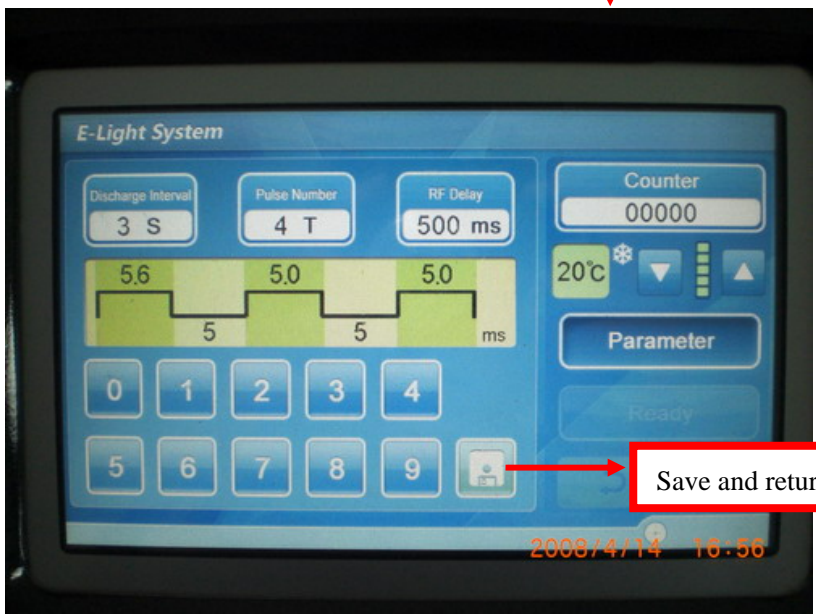
Attention:



Parameters setting:



Touch "parameter", and show as followings:

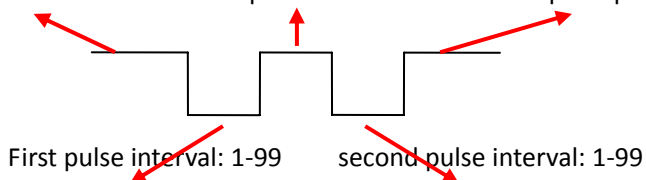


Sequent of pulse parameter: (from left to right)

Discharge interval: 1-4s Pulse Number(pulse frequency): 1-6 FR delay: 10—2400ms

(Keep RF delay as 500ms in each treatment)

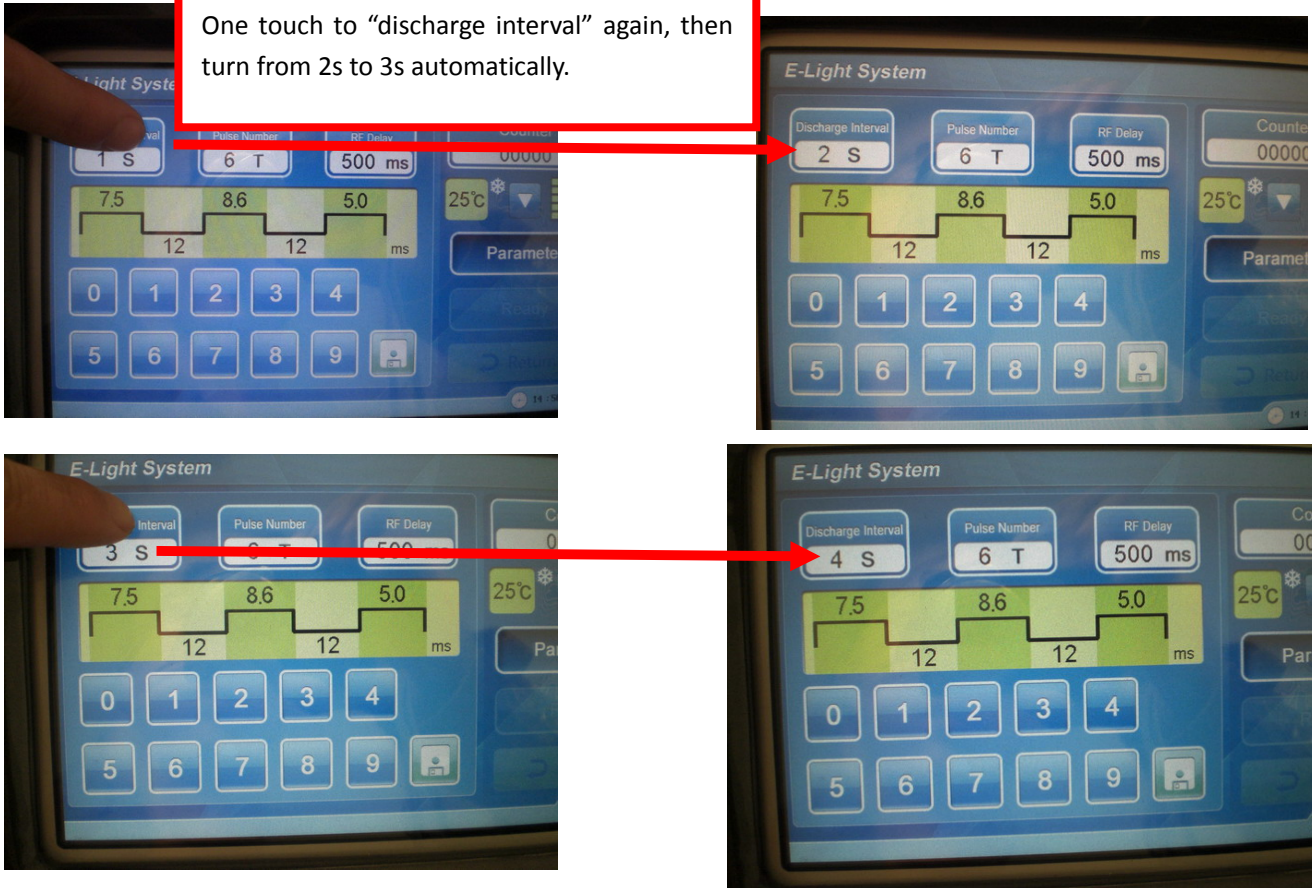
First pulse duration: 1-9.9 Second pulse duration: 1-9.9 Sequent pulse duration: 10



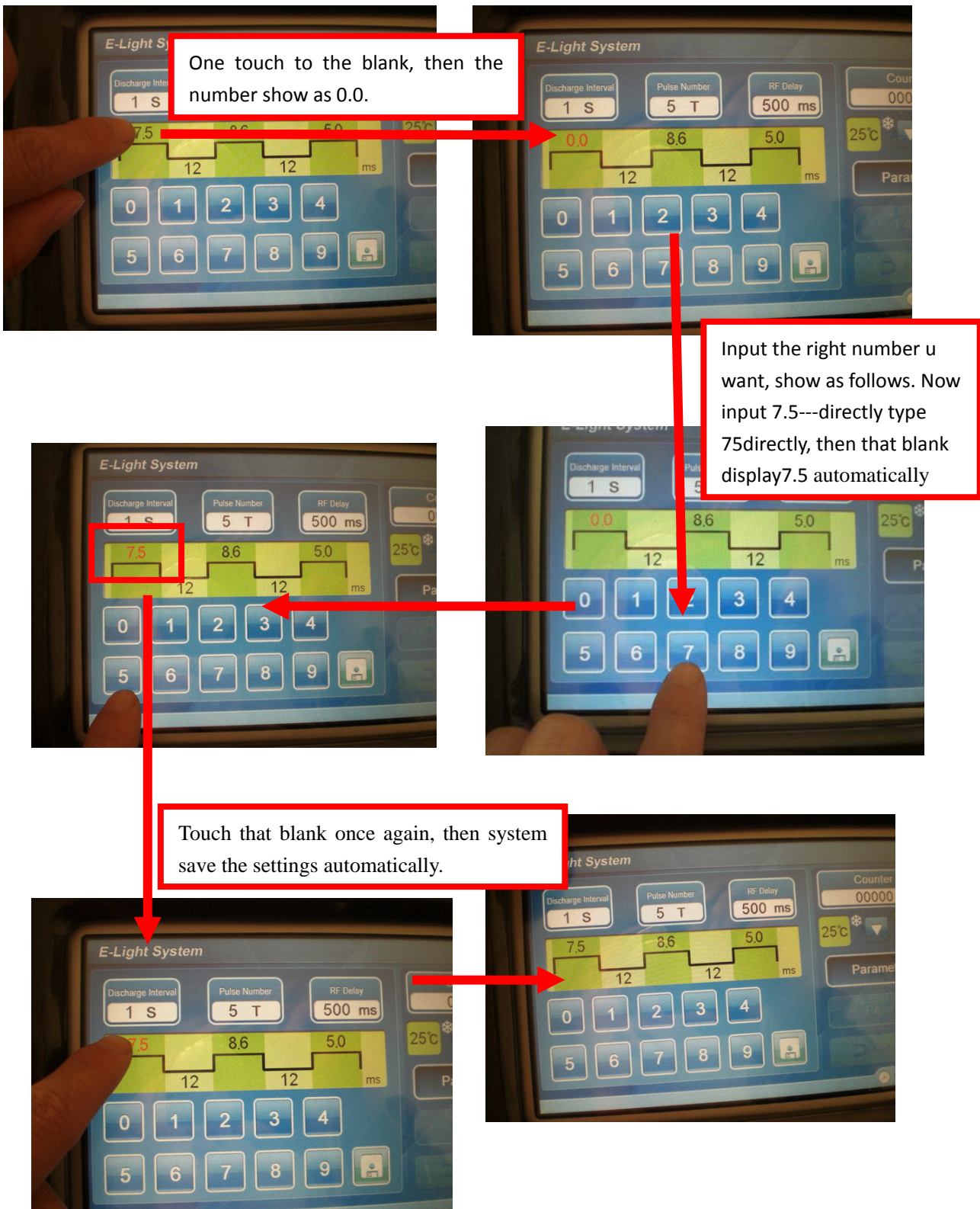
Adjustment method of pulse parameters:

1. now take “discharge interval (out interval)” for example:

One touch to “discharge interval”, then turn from 1s to 2s automatically.
One touch to “discharge interval” again, then turn from 2s to 3s automatically.

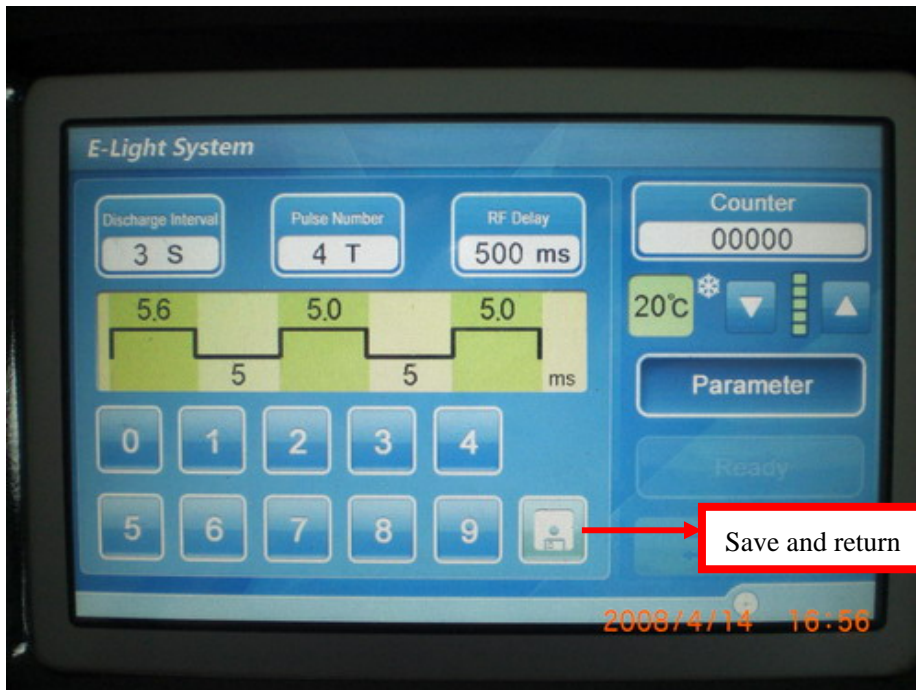


2. the adjustment of “parameter number” and “RF delay “is as same as the adjustment of “discharge interval”
3. now take “the first pulse duration” for example:
4. now take “discharge interval (out interval)” for example:



5. the adjustment of " the first pulse interval", "the second pulse duration", "the second pulse interval" and "the sequent pulse duration" are as same as the adjustment of "the first pulse duration".

6. After all parameters settings, pls save the settings and return to the treatment mode. Show as follows:



Attention:

- During the process of parameter adjustment or parameter settings, do not press the control button on handle, after the adjustment or settings and want to start the treatment, and then press the control button.
- IPL and RF can use together or separately. If use together, please keeps switches of IPL and RF on, show as follows. If separately use, please keep the switch "off".

Notice: switches of IPL and RF cannot close at the same time.

IV. Clinic Operation

1. Attention:

- Operator must wear the professional protective glasses before or during the operation.
- Patients must wear the professional protective eyepatch before or during the operation.
- Please do not see the visible intense pulse light directly.
- The protection eyepatch can not defend all the point-blank laser and laser reflected by glass, reflector, smooth surface of metal. So it is strict forbidden to directly watch the laser light.
- Flammable and explosive things should be kept away from operating room, such as stupeficient, liquid and gas,.
- Operator and patient are forbidden to wear watch and necklace etc. during the treatment.
- It must supply strict protection to the customer's eyes. If not well protected, it may cause harm to the customer's eyes, such as keratitis, cornea brushing off, or even lose sight
- Please do not optionally open the panel of the machine even power stopped, in case high voltage danger.
- It is needed to tighten up the screw caps of machine when make movement.
- Insert the filter before the real operation
- System alarm of water temperature:
The lowest system settings of water temperature is 15⁰C, the highest system setting of water temperature is 55⁰C. During 15⁰C---55⁰C, the machine works well. If lower 15⁰C or higher 55⁰C, now pulse output from the probe.

Cautions:

- Prepare before operation, or it's not allowed to do any operation:
 1. Input enough water into machine
 2. Water source: pure water or distilled water
 3. Then turn no machine, make sure good water circulation inside(water flow sound inside)
 4. Waiting for 3-5minutes, till the probe turns to cold.
 5. Insert the filter and adjust the operating parameterPlease make sure do as above steps, or it's not allowed to do any operation. Badly, the handle or machine will be damaged.
- Vertically slide the probe on skin, and keep close to skin
- Keep the machine have a rest every 2-3 hours continuously working
- The handle is fragile, please keep special care when hanging to the holder or in handle
- Please do treatment from the lower energy at the beginning, and adjust the energy according to actual conditions.

Symbol:



2. Operation skill

A. Before treatment

To the machine:

- a). Place the machine on a flat ground
- b). Input enough water before turning on the machine
- c). Water source: distilled water or pure water
- d). Before the operation, make sure good water circulation inside the machine and the probe turns to cold. Then five minutes later, it's able to start the operation. (if take operation under the state of no water circulation or hot probe, the handle is easy to damaged.)

To the patients:

- a). Classification of skin: it's safe and effective to the white, brown or yellow skin.
- b). Clean the skin, to eliminate the perfume and cosmetics.
- c). Use digital camera for memory, take photo from different orientations
- d). If necessary, use external anesthetic one hour in advance before the treatment; if for the hair removal treatment, please cut the hair to 1mm before treatment.
- f). Spread the cooling gel on skin, about 3mm thickness
- g). Wear eyepatch before actual option

To the operators:

- a). Adjust the right parameters
- b). Test the device working
- c). Wear glasses before actual option

B. In the process of treatment

- a). Patients take the protective eye-patch, at the same time, the operator also wear the professional protected glasses, respirator and medical gloves.
- b). Spread approximate 3mm cooling gel in front the ears and below the chin. Making test of 2-3 spots according to the

former parameter designed. After 3-5 minutes, observe the reflection of skin, to make sure the treatment parameter. However, it needs to wait for a little longer time.

- c. When taking the treatment to the protrudent parts in the bone structure (like forehead, mandible and cheekbone). Appropriately adjust the RF energy based on different conditions of patients.
- d. During the treatment, vertically slide the bipolar probe on skin with level force, and observe whether it's touched well or not. Overlapped shoot makes sure to good effects of treatment area.
- e. In the process of treatment, please continuously step the pedal or press the button on handle.
- f. Adjust the energy from low to high, and step-by-step; make sure not more than 3 each time, avoiding burn.
- g. Continuously press either of the 2 buttons on the headpiece or step the foot pedal make symmetrical output energy.



Please do not press the button on handle one press by one press nor step the foot pedal step by step. That will make skin gets different energies which will sure hurt the customer.

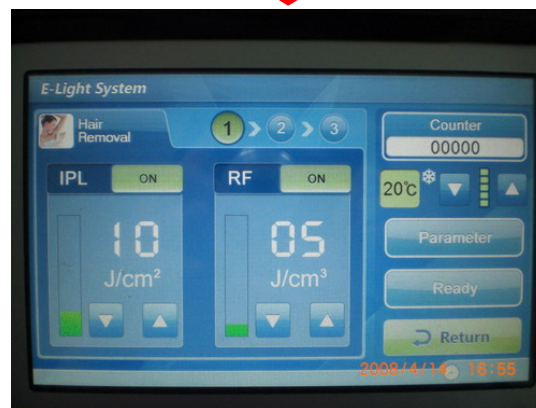
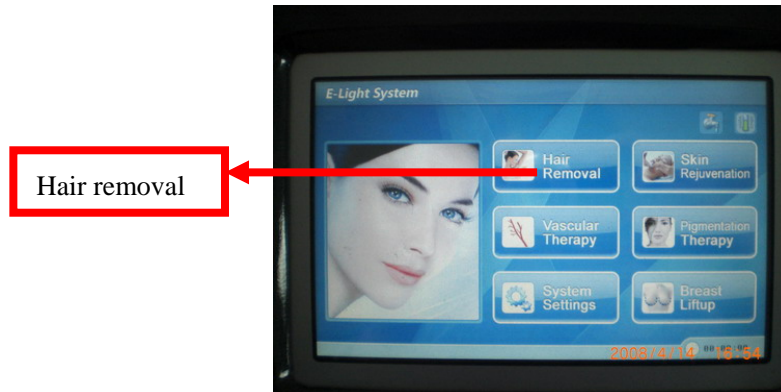
- h. When ending the treatment or try to change another treatment part, firstly release the button on the handle or foot-touch, avoiding electric shock by chance
- i. It's can be adjusted the energy, according to the actual conditions of the patients.

C. Special Notices

- a. Avoid sunlight and burn before and after the treatment, could use the suntan lotion (cream) (SPF>30) to avoid direct sunshine.
- b. Avoid chemical or mechanical stimulation before and after 1 week of the treatment
- c. Do not take filled things or injection treatment before and after 2 weeks of the treatment
- d. Avoid direct or indirect heat stimulation to the treatment area after 3 days of the treatment, especially to those of high pigment deposit.
- e. If taking laser skin care treatment before this treatment, please wait for 3 weeks at least.
- f. After the treatment, patients are not allowed to eat the foods of dark color or great pungent within two weeks, such as the sauce, coke, seafoods, capsicum etc.
- g. It's not allowed insolation in the sun before and after the treatment
- h. It's not allowed that use any cosmetics after the treatment, suggested that use the natural moisturize products
- i. Please cooling the bad reaction area after the treatment with , like tumescence and causalgiase.
- j. after the operation, make sure clean the probe.
- k. it's not allowed to operate the machine without professional operators.

3. Clinic operating parameters

1. Hair removal: 640nm (the right handle in working automatically)



1 is for black skin

2 is for other skin

3 is for white skin

Attention: Generally, the operator no needs to adjust the parameters, just modify the IPL or RF energy according to the actual condition.



Keep the top cooling grade or higher cooling grade in actual operation

↓

Clean the customer's skin with water, shave the unwanted hair on the treatment area or shear the unwanted hair till 1mm to the hair root.

↓

Energy adjustment

↓

Insert 640 nm filter to handpiece head

↓

😊 Cooling gel is used to let customers' skin feel cold and better lead light into deep layer of skin. Spread the cooling gel on the treatment area, about 3mm thickness



During the process of parameter adjustment or parameter settings, don't touch "Ready.", you can press it when you finished setting the parameters.

↓

After all parameter settings, touch "ready" to start the actual operation.

Notice:

1. at the same time, the operator and the patient should wear the professional protective glasses and protective eyepatch in turn.
2. Avoid sunlight and burn before and after the treatment, could use the suntan lotion (cream) (SPF>30) to avoid direct sunshine.

a. 3-5 treatments as one period.

b. Every 2 weeks for the first 3 treatments, then do every 4 weeks after. Because the hair has its own growth period and dormant period, so it's effective to remove the hair in growth period, 3-5 treatments.

c. Feelings in the treatment: some stinging & heat sensation on skin, but be comfortable and acceptable by patients. Generally, 1-2 minutes later after treatment, a little red on skin and will disappear soon. In this case, can tweezer the hair root lightly, naturally shedding and no pain, which means the best effect.

If redness or inflammation on treatment area, mean big energy in clinic. In this case, should take some internal or external antiphlogistic. If burn

and wound, we suggest look for doctor for professional treatment immediately.

d. Effect of cooling gel: cooling and light transfer

e. Usage:

1. Clean skin

2. Should shave the unwanted hair firstly. Because the dark color hair is easy to absorb IPL energy; over absorb may result in skin burn more or less. But pls do not worry about. It won't happened in normal & logical operation. Illogical operation condition means: dark & heavy hair on treatment area; big energy at the beginning; slow slide speed of probe on skin.

3. Spread the cooling gel on the treatment area before treatment, about 3mm thickness; and scrape the gel 20minutes later after the treatment.

4. Keep spot of overlap 1-2mm

5. touch "ready" on LCD display and continuously press button on handle or continuously step pedal to start operation.

a. In operation, vertically slide the probe on skin with balance force, make sure the probe touch skin firmly.

b. Press button on handle or step pedal after the probe close touch on skin, avoid electric shock.

c. Increase speed of probe sliding step by step, avoid burn skin, as long time treatment, the probe may create bigger heat on probe accordingly.

d. Keep spot of overlap 1-2mm, Overlapped shoot makes sure to good effects of treatment area.

f. Parameters:

Notice: Actually we have set these parameters for you already, so that really saves time for you, you don't need to set those parameters each time you have customers. You just adjust the IPL and RF energy and the cooling mode in the actual operation.

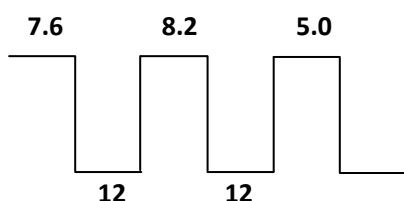
The following parameters just for your reference:

To black skin:

Discharge interval: 4s

Pulse Number: 6

RF delay: 500ms



Ipl energy: suggest start from 10J

RF energy: suggest start from 8J

According to the actual condition of patients, to adjust the Ipl or RF energy in turn.

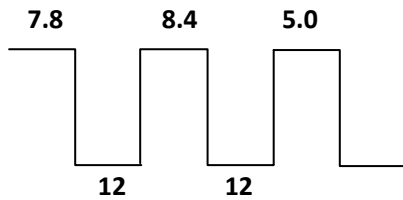
Attention: the black skin is easy to absorb energy, so take special care IPL & RF energy adjustment in the actual treatment.

To yellow skin:

Discharge interval: 4s

Pulse Number: 6

RF delay: 500ms



Ipl energy: suggest start from 10J

RF energy: suggest start from 8J

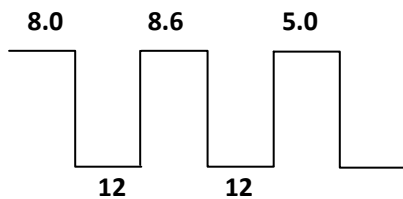
According to the actual condition of patients, to adjust the Ipl or RF energy in turn.

To white skin:

Discharge interval: 4s

Pulse Number: 6

RF delay: 500ms

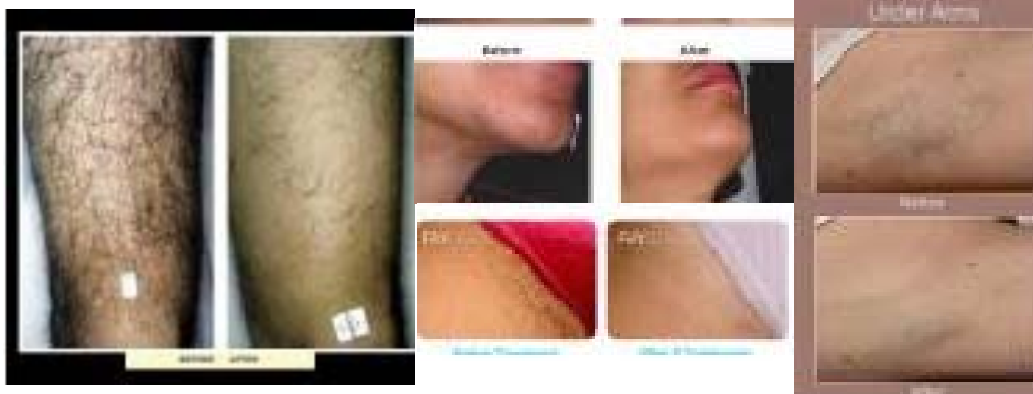


Ipl energy: suggest start from 10J

RF energy: suggest start from 8J

According to the actual condition of patients, to adjust the Ipl or RF energy in turn.

Attention: It can be increasing the value, according to the actual conditions of the patients; generally, the best treatment results are stinging sensation under tissue, which is acceptable.



2. Vascular therapy: 480nm (the left handle is working automatically)

Notice:

1. At the same time, the operator and the patient should wear the professional protective glasses and protective eyepatch in turn.
2. Avoid sunlight and burn before and after the treatment, could use the suntan lotion (cream) (SPF>30) to avoid direct sunshine.

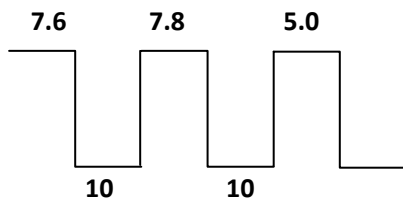
- a. 1-3 or 3-6 treatments as one period.
- b. Every 3-4 weeks for one treatment. Because the human metabolism period is 3-4 weeks, the stimulated capillary vessel tissues will be shrinking and steady along with the metabolism .
- c. Feelings in the treatment: some stinging & heat sensation on skin, but be comfortable and acceptable by patients. A little red but will disappear automatically soon.
- d. Effect of cooling gel: cooling and light transfer
- e. Usage:
 1. Clean skin
 2. if long or heavy hair on treatment area, Should shave the unwanted hair firstly. Because the dark color hair is easy to absorb IPL energy; over absorb may result in skin burn more or less. But pls do not worry about. It won't happen in normal & logical operation. Illogical operation condition means: dark & heavy hair on treatment area; big energy at the beginning; slow slide speed of probe on skin.
 3. Spread the cooling gel on the treatment area before treatment, about 3mm thickness; and scrape the gel 20minutes later after the treatment.
 4. Touch "ready" on LCD display and continuously press button on handle or continuously step pedal to start operation.
 - a. In operation, vertically slide the probe on skin with balance force, make sure the probe touch skin firmly.
 - b. Press button on handle or step pedal after the probe close touch on skin, avoid electric shock.
 - c. Increase speed of probe sliding step by step, avoid burn skin, as long time treatment, the probe may create bigger heat on probe accordingly.
 - d. Keep spot of overlap 1-2mm. Overlapped shoot makes sure to good effects of treatment area.
- f. Parameters:
 - 3.

Notice: Actually we have set these parameters for you already, so that really saves time for you, you don't need to set those parameters each time you have customers. You just adjust the IPL and RF energy and the cooling mode in the actual operation.

The following parameters just for yr ference:

To black skin:

Discharge interval: 3s Pulse Number: 4 RF delay: 500ms



Ipl energy: suggest start from 10J

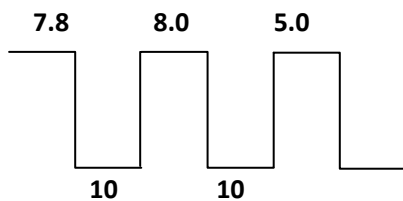
RF energy: suggest start from 8J

According to the actual condition of patients, to adjust the Ipl or RF energy in turn.

Attention: the black skin is easy to absorb energy, so take special care
IPL & RF energy adjustment in the actual treatment.

To yellow skin:

Discharge interval: 3s Pulse Number: 4 RF delay: 500ms



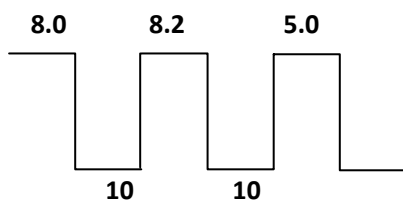
Ipl energy: suggest start from 10J

RF energy: suggest start from 8J

According to the actual condition of patients, to adjust the Ipl or RF energy in turn.

To white skin:

Discharge interval: 3s Pulse Number: 4 RF delay: 500ms



Ipl energy: suggest start from 10J

RF energy: suggest start from 8J

According to the actual condition of patients, to adjust the Ipl or RF energy in turn.

Attention: It can be increasing the value, according to the actual conditions of the patients; generally, the best treatment results are stinging sensation under tissue, which is acceptable.



3. Winkle removal: 530nm (the left handle is working automatically)

Notice:

1. at the same time, the operator and the patient should wear the professional protective glasses and protective eyepatch in turn.
2. Avoid sunlight and burn before and after the treatment, could use the suntan lotion (cream) (SPF>30) to avoid direct sunshine.

a. 1-3 or 3-6 treatments as one period.

b. Every 3-4 weeks for one treatment. Because the human metabolism period is 3-4 weeks, the stimulated collagen fiber tissues and flexibility fiber tissues will be steady along with the metabolism.

c. Feelings in the treatment: some stinging & heat sensation on skin, but be comfortable and acceptable by patients. A little red but will disappear automatically soon

d. Effect of cooling gel: cooling and light transfer

e. Usage:

1. Clean skin

2. if long or heavy hair on treatment area, Should shave the unwanted hair firstly. Because the dark color hair is easy to absorb IPL energy; over absorb may result in skin burn more or less. But pls do not worry about. It won't happen in normal & logical operation. Illogical operation condition means: dark & heavy hair on treatment area; big energy at the beginning; slow slide speed of probe on skin.

3. Spread the cooling gel on the treatment area before treatment, about 3mm thickness; and scrape the gel 20minutes later after the treatment.

4. Touch "ready" on LCD display and continuously press button on handle or continuously step pedal to start operation.

a. In operation, vertically slide the probe on skin with balance force, make sure the probe touch skin firmly.

b. Press button on handle or step pedal after the probe close touch on skin, avoid electric shock.

c. Increase speed of probe sliding step by step, avoid burn skin, as long time treatment, the probe may create bigger heat on probe accordingly.

d. Keep spot of overlap 1-2mm, Overlapped shoot makes sure to good effects of treatment area.

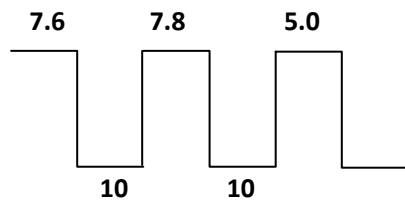
f. Parameters:

Notice: Actually we have set these parameters for you already, so that really saves time for you, you don't need to set those parameters each time you have customers. You just adjust the IPL and RF energy and the cooling mode in the actual operation.

The following parameters just for yr ference:

To black skin:

Discharge interval: 4s Pulse Number: 4 RF delay: 500ms



Ipl energy: suggest start from 10J

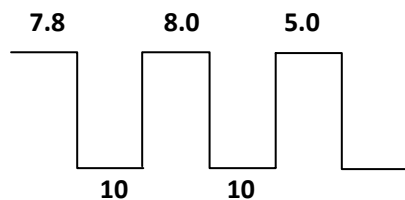
RF energy: suggest start from 8J

According to the actual condition of patients, to adjust the Ipl or RF energy in turn.

Attention: the black skin is easy to absorb energy, so take special care
IPL & RF energy adjustment in the actual treatment.

To yellow skin:

Discharge interval: 4s Pulse Number: 4 RF delay: 500ms



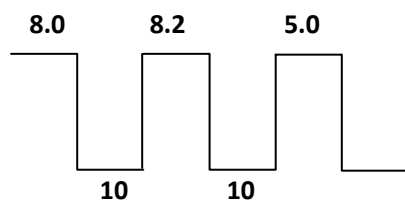
Ipl energy: suggest start from 10J

RF energy: suggest start from 8J

According to the actual condition of patients, to adjust the Ipl or RF energy in turn.

To white skin:

Discharge interval: 4s Pulse Number: 4 RF delay: 500ms



Ipl energy: suggest start from 10J

RF energy: suggest start from 8J

According to the actual condition of patients, to adjust the Ipl or RF energy in turn.

Attention: It can be increasing the value, according to the actual conditions of the patients; generally, the best treatment results are stinging sensation under tissue, which is acceptable.



4. skin rejuvenation: 590nm (the left handle is working automatically)

Notice:

1. at the same time, the operator and the patient should wear the professional protective glasses and protective eyepatch in turn.
2. Avoid sunlight and burn before and after the treatment, could use the suntan lotion (cream) (SPF>30) to avoid direct sunshine.

- a. 1-3 or 3-6 treatments as one period.
- b. Every 3-4 weeks for one treatment. Because the human metabolism period is 3-4 weeks, the stimulated collagen fiber tissues and flexibility fiber tissues will be steady along with the metabolism.
- c. Feelings in the treatment: some stinging & heat sensation on skin, but be comfortable and acceptable by patients. A little red but will disappear automatically soon
- d. Effect of cooling gel: cooling and light transfer
- e. Usage:
 1. Clean skin
 2. if long or heavy hair on treatment area, Should shave the unwanted hair firstly. Because the dark color hair is easy to absorb IPL energy; over absorb may result in skin burn more or less. But pls do not worry about. It won't happen in normal & logical operation. Illogical operation condition means: dark & heavy hair on treatment area; big energy at the beginning; slow slide speed of probe on skin.
 3. Spread the cooling gel on the treatment area before treatment, about 3mm thickness; and scrape the gel 20minutes later after the treatment.
 4. Touch "ready" on LCD display and continuously press button on handle or continuously step pedal to start operation.
 - a. In operation, vertically slide the probe on skin with balance force, make sure the probe touch skin firmly.
 - b. Press button on handle or step pedal after the probe close touch on skin, avoid electric shock.
 - c. Increase speed of probe sliding step by step, avoid burn skin, as long time treatment, the probe may create bigger heat on probe accordingly.
 - d. Keep spot of overlap 1-2mm, Overlapped shoot makes sure to good effects of treatment area.

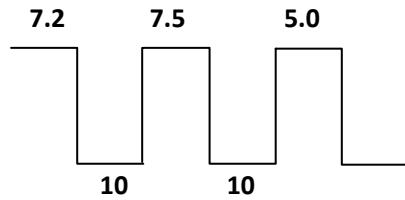
f. Parameters:

Notice: Actually we have set these parameters for you already, so that really saves time for you, you don't need to set those parameters each time you have customers. You just adjust the IPL and RF energy and the cooling mode in the actual operation.

The following parameters just for yr ference:

To black skin:

Discharge interval: 3s Pulse Number: 4 RF delay: 500ms



Ipl energy: suggest start from 10J

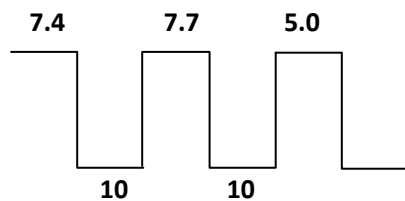
RF energy: suggest start from 8J

According to the actual condition of patients, to adjust the Ipl or RF energy in turn.

Attention: the black skin is easy to absorb energy, so take special care IPL & RF energy adjustment in the actual treatment.

To yellow skin:

Discharge interval: 3s Pulse Number: 4 RF delay: 500ms



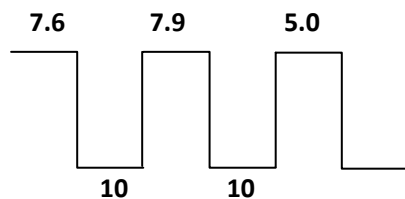
Ipl energy: suggest start from 10J

RF energy: suggest start from 8J

According to the actual condition of patients, to adjust the Ipl or RF energy in turn.

To white skin:

Discharge interval: 3s Pulse Number: 4 RF delay: 500ms



Ipl energy: suggest start from 10J

RF energy: suggest start from 8J

According to the actual condition of patients, to adjust the Ipl or RF energy in turn.

Attention: It can be increasing the value, according to the actual conditions of the patients; generally, the best treatment results are stinging sensation under tissue, which is acceptable.



5. Pigment treatment---530nm (the left handle works automatically)

Notice:

1. at the same time, the operator and the patient should wear the professional protective glasses and protective eyepatch in turn.
2. Avoid sunlight and burn before and after the treatment, could use the suntan lotion (cream) (SPF>30) to avoid direct sunshine.

- a. 1-3 or 3-6 treatments as one period.
- b. Every 3-4 weeks for one treatment. Because the human metabolism period is 3-4 weeks, some decomposed pigment cells are phagocytosed by the lymphocyte, and expel from the body along with the metabolism.
- c. Feelings in the treatment: some pain feelings like needle pricking. 3-30 minutes later or in 2 days after the treatment, pigment will be darker. Then the scabs peel off 7 days later after the last treatment. (if the pigment not serious, the scab will appear after 2-3 treatments; if serious, should more treatments accordingly.). Meanwhile, the red and swollen will disappear in 2 days automatically.
- d. Effect of cooling gel: cooling and light transfer
- e. Usage:
 1. Clean skin
 2. if long or heavy hair on treatment area, Should shave the unwanted hair firstly. Because the dark color hair is easy to absorb IPL energy; over absorb may result in skin burn more or less. But pls do not worry about. It won't happen in normal & logical operation. Illogical condition means: dark & heavy hair on treatment area; big energy at the beginning; slow slide speed of probe on skin.
 3. Spread the cooling gel on the treatment area before treatment, about 3mm thickness; and scrape the gel 20minutes later after the treatment.
 4. Touch "ready" on LCD display and continuously press button on handle or continuously step pedal to start operation.
 - a. In operation, vertically slide the probe on skin with balance force, make sure the probe touch skin firmly.
 - b. Press button on handle or step pedal after the probe close touch on skin, avoid electric shock.
 - c. Increase speed of probe sliding step by step, avoid burn skin, as long time treatment, the probe may create bigger heat on probe accordingly.
 - d. Keep spot of overlap 1-2mm. Overlapped shoot makes sure to good effects of treatment area.
- f. Parameters:

Notice: Actually we have set these parameters for you already, so that really saves time for you, you don't need to set those parameters each time you have customers. You just adjust the IPL and RF energy and the cooling mode in the actual operation.

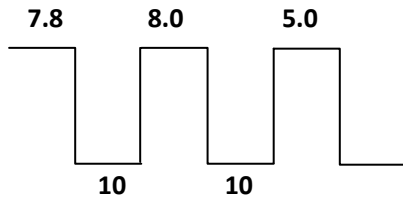
The following parameters just for yr ference:

To black skin:

Discharge interval: 4s

Pulse Number: 5

RF delay: 500ms



Ipl energy: suggest start from 10J

RF energy: suggest start from 8J

According to the actual condition of patients, to adjust the Ipl or RF energy in turn.

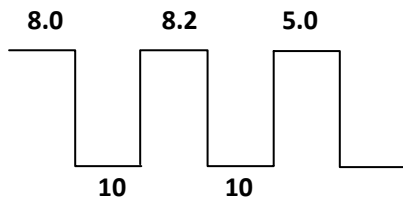
Attention: the black skin is easy to absorb energy, so take special care IPL & RF energy adjustment in the actual treatment.

To yellow skin:

Discharge interval: 4s

Pulse Number: 5

RF delay: 500ms



Ipl energy: suggest start from 10J

RF energy: suggest start from 8J

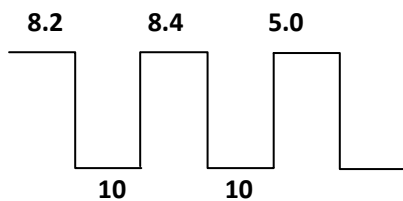
According to the actual condition of patients, to adjust the Ipl or RF energy in turn.

To white skin:

Discharge interval: 4s

Pulse Number: 5

RF delay: 500ms

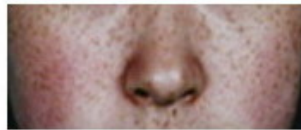


Ipl energy: suggest start from 10J

RF energy: suggest start from 8J

According to the actual condition of patients, to adjust the Ipl or RF energy in turn.

Attention: It can be increasing the value, according to the actual conditions of the patients; generally, the best treatment results are stinging sensation under tissue, which is acceptable.



6. Breast lifting treatment----690nm (the left handle works automatically)

Notice:

1. at the same time, the operator and the patient should wear the professional protective glasses and protective eyepatch in turn.
2. Avoid sunlight and burn before and after the treatment, could use the suntan lotion

1. Assistant products advice:

breast plumping essential oil

breast massage cream

2. Operation area:

It's not allowed that do treatment on the small ring of dark color around the nipple

(Including the nipple of the breast)

3. Operation steps:

- a. skin cleaning: anti-sensitive cleaning cream
 - b. skin shrinking: soft water, moisturize lotion
 - c. spread some breast plumping essential oil on breast and massage about 10-15minutes.
 - d. Put cooling gel on treatment area, about 2-3mm thickness
 - e. Hold the treatment handle, vertically & closely slide the probe on breast back and forth.
- Generally, hot sensation on breast means perfect treatment.

4. Operation time:

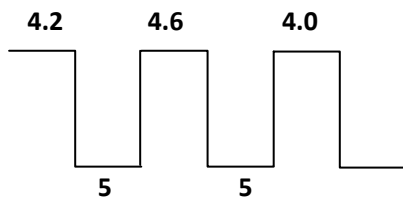
- a. 1-3 or 3-6 treatments as one treatment period. Frankly speaking, it should a treatment for long-period, to the best result. Meanwhile, personal or professional nursing is also important.
- b. Every 1-2 weeks for one treatment. The treatment theory is that stimulating the renewal of the mammary gland cells, and enhancing the ligament tissue, to plump the breast naturally. Because the human metabolism cycle is 3-4 weeks, the stimulated capillary vessel tissues will be shrinking and steady along with the metabolism.

d. Parameters:

Notice: Actually we have set these parameters for you already, so that really saves time for you, you don't need to set those parameters each time you have customers. You just adjust the IPL and RF energy and the cooling mode in the actual operation.
The following parameters just for yr ference:

To black skin:

Discharge interval: 3s Pulse Number: 3 RF delay: 500ms



Ipl energy: suggest start from 5J

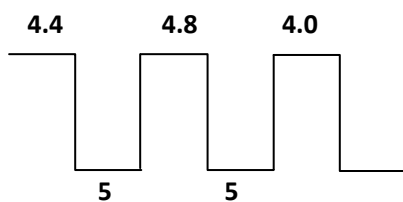
RF energy: suggest start from 5J

According to the actual condition of patients, to adjust the Ipl or RF energy in turn.

Attention: the black skin is easy to absorb energy, so take special care IPL & RF energy adjustment in the actual treatment.

To yellow skin:

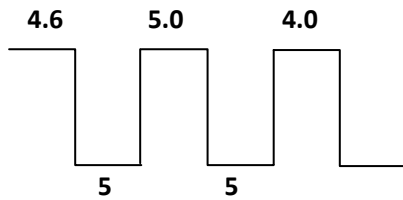
Discharge interval: 3s Pulse Number: 3 RF delay: 500ms



Ipl energy: suggest start from 5J

RF energy: suggest start from 5J

According to the actual condition of patients, to adjust the Ipl or RF energy in turn.

To white skin:**Discharge interval: 3s****Pulse Number: 3****RF delay: 500ms****Ipl energy: suggest start from 5J****RF energy: suggest start from 5J****According to the actual condition of patients, to adjust the Ipl or RF energy in turn.**

Attention: It can be increasing the value, according to the actual conditions of the patients; generally, the best treatment results are hot sensation under tissue, which is acceptable.



Note: when try to single use RF, can be used to wrinkle removal, skin rejuvenation; generally, its value starts from 12, then increase according to the actual condition of patients; generally, to the best treatment result is stinging&heat on skin

Above all operation must consider the actual sense of the patients.

V. Simple Maintenance

I 【precautions】

- 1) No stress on the touch-LCD, prevent it from breaking up
- 2) Keep the filters clean. It's not allowed to clean the filters with ethanol
- 3) The handle is fragile, please do be careful when you pick up the headpiece..
- 4) Change water each 1-3 months. Make sure water circulate normally before you start the treatment

II 【Analysis On Simple Malfunction 】

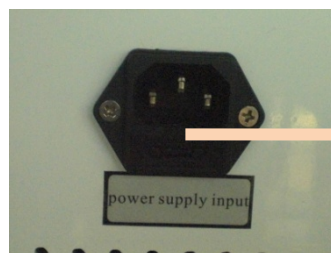
Caution: Any disconnection of machine panel or handle panel or other accessories should be authorized by ADSS before repair. Or it will be easy to damaged, and the all results must be responsible by the operator.

1. No power supplied (means power off of machine)



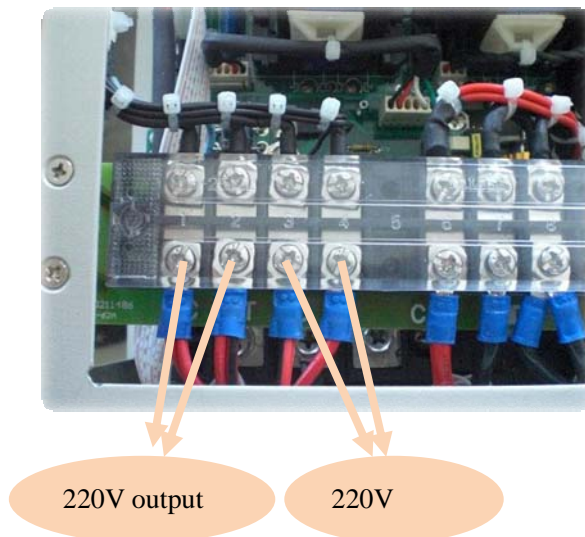
Please don't worry, you can following the sequence below to find out what the problem is.

- ① Check up whether there is power supplied from electrical source.
- ② Check up whether the power line is connected well.
- ③ Check up whether the emergency button is on
- ④ Check up whether the air switch is on
- ⑤ Check up whether the key switch is on
- ⑥ Check up the fuse, which could be pulled out at the bottom of hole for power plug.



The fuse is inside this black part

- ⑦ Check up whether power line connect well inside and test the electrodes by multimeter, show as follows:



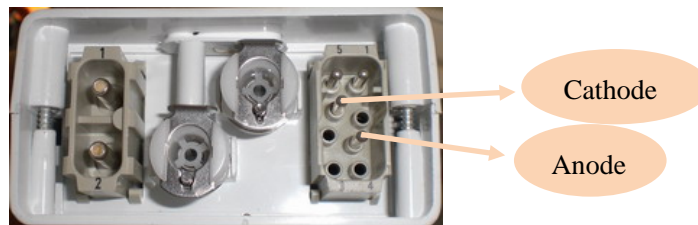
2. The probe is not cold



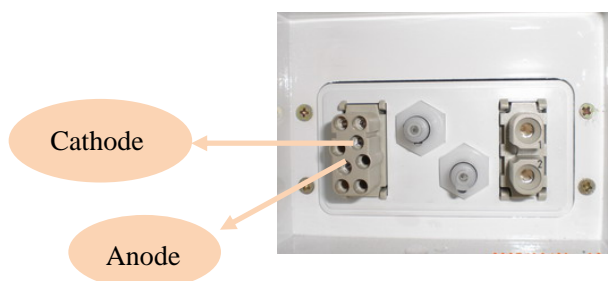
- ① Check up whether there's water in water tank and make sure water circulation normally
- ② Test the DC power supply block by multimeter, whether there's DC 12V output.

3. Reason of Non-Refrigeration:

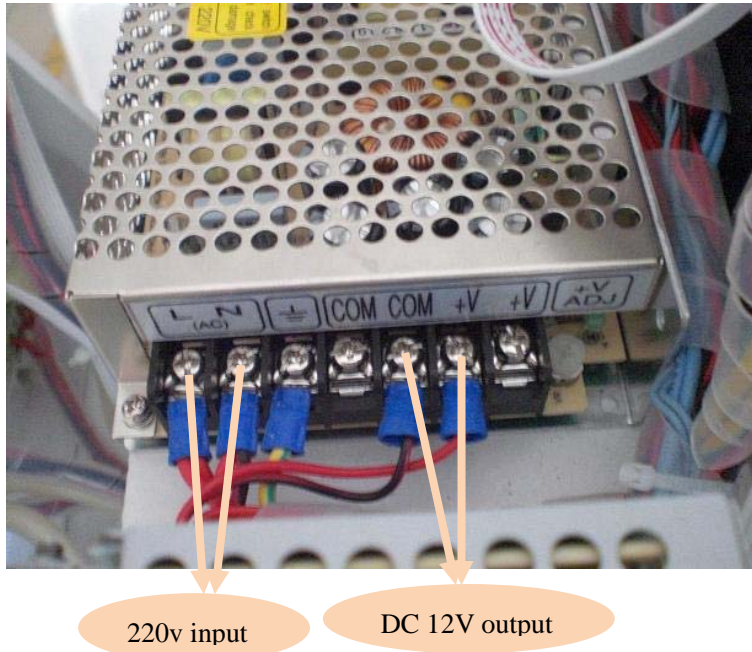
- ① Check up whether the Peltier is well or not:
Please check up whether this two electrode is well or not by multimeter, which relate to the Peltier.



- ② After turning on the machine, you should test the Anode and Cathode with multimeter. DC 12V output means good electrical source.



If no current output, means some wrong to the DC 12V power supply block. Please disconnect the machine panel, and find the DC12V power supply block. Test DC 12V output by multimeter, show as follows:



- ③. Check up whether good water circulation or not:
 Open the panel of handle plug, as follow:
 ◆ Screw off these 6 screws, and then disconnect the panel




Totally Six screws

- ◆ Disconnect the water plug, then plug these two plugs into the handle joints at the rear panel; blow air inside the water plug with mouth, see whether it is ventilated. Or directly turn on the device; see whether there is spilt water from these two plugs.
(Remarks: for the last test method, we suggest that take a basin or other vessel load the spilt water.)



Water plug

4.  **The xenon lamp is not on:**
 a. The lamp is exhausted (out of lifetime);

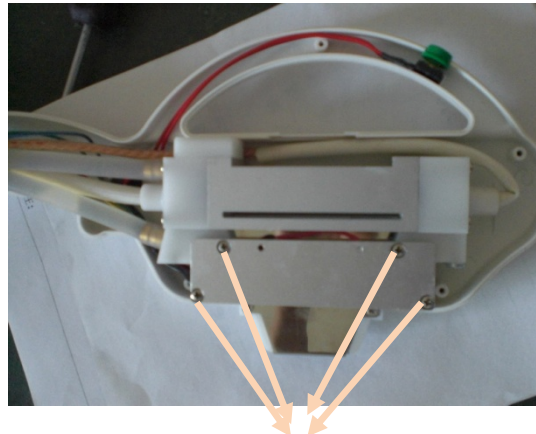
-
- b. The lamp broken down.
 - c. Poor contact to the anode and the cathode line;
 - d. Simmer board (PCB) broken down

5.  **Only LCD screen displays, but can't enter into the treatment menu.**

Touch LCD screen broken down

6.  **Leak from the probe**

- a. The xenon lamp broken down
- b. Poor connection inside. Please disconnect the panel of the treatment head, and tighten the screws, show as follows



Tighten these four screws and another four on the opposite side, totally 8 screws.