

# User Manual

of IPL machine



Thank you for choosing our machines.  
Please read this user manual carefully before operating the machine and  
keep it for viewing at any time.

## Chapter 1: Technical specifications

Machine name	Portable OPT IPL
Screen	8.4 Inch True Color Touch Screen
Energy	1-50J/CM2
Frequency	1-10HZ
Spot size	15*50mm
Wavelength	480-1200nm
Power supply voltage	AC220V/50HZ , AC110V/60HZ
Input powder	2000W

## Chapter 2: Accessory list

Accessory	quantity
1.A host device	1
2.IPL Handle	1
3.Filters	3
4.Protective goggle for operator	1
5.Protective eyes mask for client	1

<b>6.Handle bracket (with screws)</b>	<b>1</b>
<b>7.Switch keys</b>	<b>2</b>
<b>8.Fuse</b>	<b>Several</b>
<b>9. Rubber sealing rings</b>	<b>Several</b>
<b>10. Filling water funnel</b>	<b>1</b>
<b>11. CPC head for filling water</b>	<b>1</b>
<b>12. Power cable</b>	<b>1</b>



one host



**One handpiece**

**Notice:**

1. Connect handpiece on the machine well, avoid electricity leak;
2. during treatment, after touch "READY" on the screen, then you can press handle button, then handle can work.



**Filters**



**Operator protective goggle**



**Client eyes protective mask**



**Emergency switch and  
switch keys**



**Fuse**



**Sealing rings**



**Filling water funnel**



CPC head for filling water



Power cable

### Chapter 3: Fill water and change water



Fill water position



drain water position



**overflow position**



**Before using the machine, users must fill water to the machine!!**

**Before and after filling water, please take off overflow cap, make inside water in the tank good circulation. See the following picture. (When no use the IPL machine, please put on overflow cap, avoid dust/ dirty)**



## **1: Fill water**





**Notice:**

**1.Fill pure/ distilled water about 4 liters until water flow out from overflow hole;**

**2.Change fresh pure/ distilled water about 20-45 days depend on your use machine frequency;**

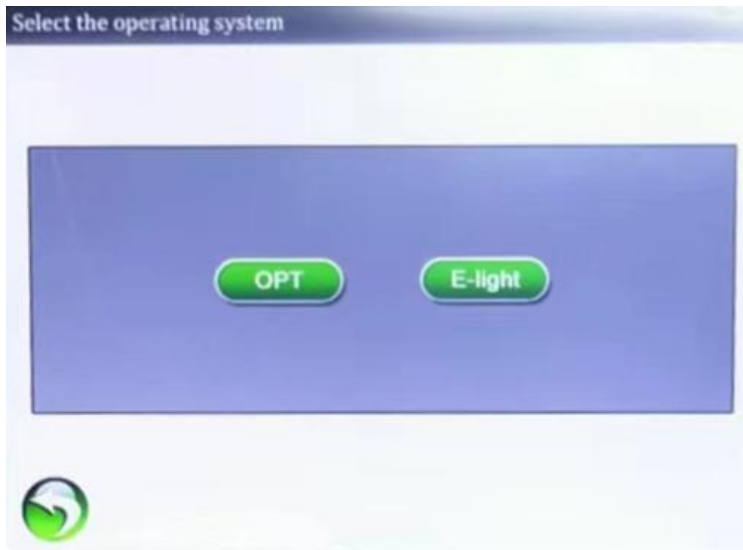
**2. Change water**



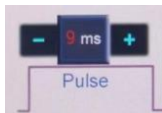
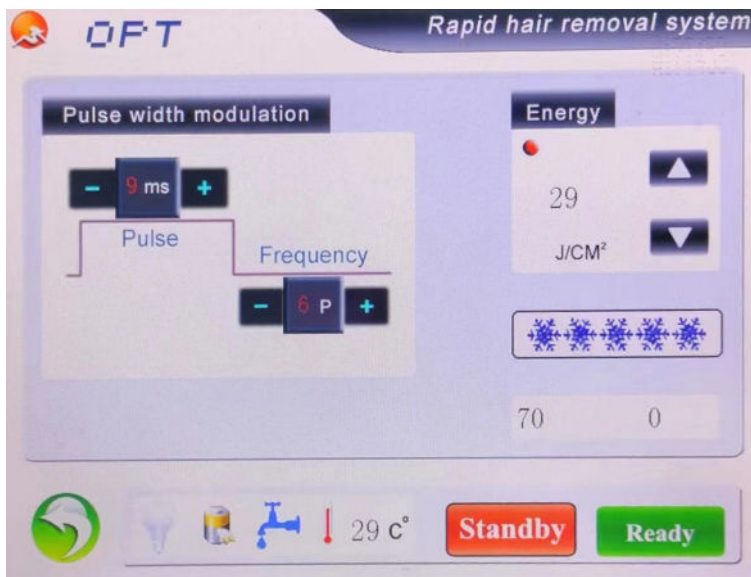
**Remove the drainage cap, water can flow out automatically, then change fresh pure/ distilled water;**

## **Chapter 4: Operation**

**1. Firstly select working mode as below :**



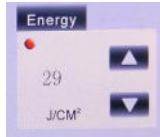
**2. Under “OPT mode”:**



Pulse: means each pulse working time on treatment area;



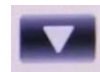
Frequency: 1-10HZ, means 1-10 shots in one second;



Energy range: 1-50J/CM2,



Turn up,



Turn down;



Cooling level: I-V, can be touched, blue color snow means turn on,

white color snow means turn off;



Current shots number/ Total shots number;



Back, can be touched;



Display handpiece's xenon lamp ON/OFF state, can

not be touched;



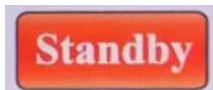
Display machine's capacitor charging or not;



Cooling water flow state, abnormal water low, will have an alarm;



Cooling water temperature state, abnormal temperature, will have an alarm;



Standby: can be touched, touch it, handpiece's xenon lamp will be light up,

touch again, handpiece's xenon lamp will be off;



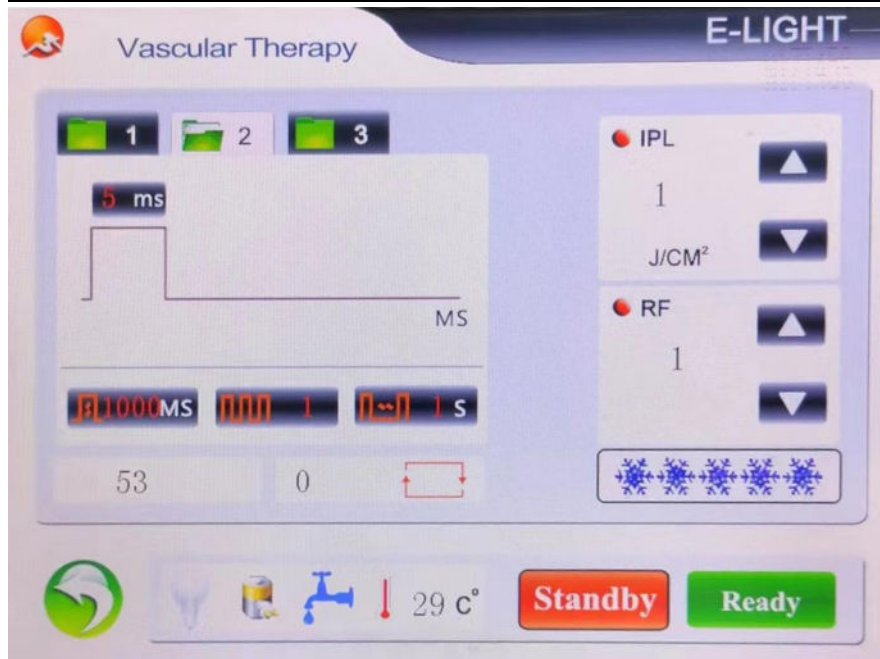
Ready: Can be touched, need firstly touch standby, then touch ready, handpiece is ready to work, touch ready again, handpiece stop work;

### 3. Under “E-light” mode:

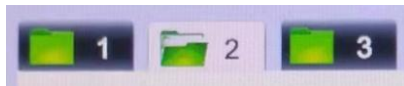
#### 3.1 Firstly select treatment request as blow



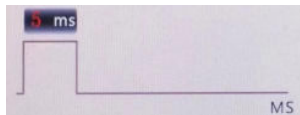
#### 3.2 Then select treatment parameters



### 3.3 Select “Vascular Therapy” for example:



1, 2, 3: means 3 Elight mode;



MS First pulse width, means first pulse working time on treatment area;



Second pulse width, means second pulse working time on treatment area;

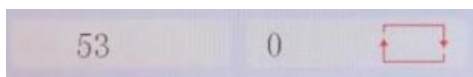


Pulses number;



Pulse delay, means delay time of first

pulse and second pulse;



Current shots number/ Total shots number;



Energy range: 1-50J/CM2,  Turn up,  Turn down;



RF: no use, default setting of software program;



Cooling level: I-V, can be touched, blue color snow means turn on, white color snow means turn off;



Back, can be touched;



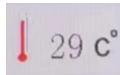
Display handpiece's xenon lamp ON/OFF state, can not be touched;



Display machine's capacitor charging or not;



Cooling water flow state, abnormal water low, will have an alarm;



Cooling water temperature state, abnormal temperature, will have an alarm;



Standby: can be touched, touch it, handpiece's xenon lamp will be light up, touch again, handpiece's xenon lamp will be off;



Ready: Can be touched, need firstly touch standby, then touch ready, handpiece is ready to work, touch ready again, handpiece stop work;

## Chapter 5: Treatment parameters setting

1 To get best results, you can adjust the parameter (energy, frequency, pulse width etc.) until you see the following:

1. The patient feels little needle puncture.
2. Potein smell burning smell (for hair removal treatment);
3. follicle bulged;
4. skin little redness;

*Any one happens, means best acne/ vascular removal/ hair removal results. The Parameter setting is good.*

(Notice: please follow the parameter setting principle--“from small to big gradually”, avoid burn risk;)

Before clinical treatment, need do following work:

1. clean treatment area;





**2. shave unwanted hair;**



**3. smear cooling gel 1-2mm on skin;**



## **Chapter 6: Clean machine and handpiece**

- 1. Clean the system exterior at least once a week. Wipe all surfaces with soft, damp, non-abrasive cloth. Mild cleansing solution may be used. Not spill liquids in the unit.**
- 2. The crystal on handpiece should be kept clean at all times and should be cleaned after each treatment.**

**3. To clean the crystal on handpiece, first dry it with a lint-free cloth. Then clean it with a cloth moistened with water-free alcohol and let it dry thoroughly.**

### **Chapter 7: Contraindication**

- ①Patients with heart disease and high blood pressure
- ②Pregnant women, patients with epilepsy
- ③Patients with hypertension and diabetes
- ④Customers with light allergy
- ⑤People who work under strong light for a long time, recently sunburned skin
- ⑥Clients for short-term peeling
- ⑦ Clients who are taking antioxidants or hormonal drugs

### **Chapter 8: Fast troubleshooting**

Problem	Solution
Machine cannot open	1. Check the power line loose or not; 2. Check fuse;
Water warning	1. If fill enough water; 2. If open overflow cap;

Handle working but no cooling	Check water cycling
Connector leak water	Check rubber sealing ring broken or not
Handle no flash	<ol style="list-style-type: none"> <li>1. Check if you touch READY on screen;</li> <li>2. Check if the counter work well, if counter not working, the handle button broken</li> </ol>
Output energy weak	<ol style="list-style-type: none"> <li>1. Check whether the power supply voltage is too low;</li> <li>2. clean the crystal;</li> <li>3. Check if the energy you chose is too low;</li> <li>4. Check if the handle need to be changed;</li> </ol>
Warning in shot time	<ol style="list-style-type: none"> <li>1. Check if water flow is abnormal;</li> <li>2. Check if temperature is abnormal;</li> <li>3. Check the environment temperature is too high;</li> </ol>
<b>For any other problems, please feel free to contact us.</b>	

**Thanks for reading...**