

USER MANUAL



Pls read instructions carefully
before operation



KLD-602

**OPT Hair Removal
& Skin Rejuvenation**

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1. Safety Notice

1. Please don't disassemble the instrument which hasn't been indicated in our instruction. All the repairs should be done by authorized professionals.
2. Please don't assemble or operate the instrument near wet place. Water and any liquid are not allowed to pour on screen.
3. Please pull off the plug when you find conditions below.

The equipment touched liquid:

- A. The equipment has abnormal smell, smoking or loud and strong noise.
 - B. Cable is broken
 - C. The equipment is fallen down and broken
4. No stuff on the cable, keep people from stepping.
 5. Please pull off the power cord after finish operation.
 6. Don't put anything into the equipment's jack, otherwise it may cause fire or touch the electricity. If something enters the equipment, please don't pick it out by yourself, contract distributor or our company immediately
 7. Please don't put the equipment on the anything that can't stand steadily, avoid it turns over and damage.
 8. Our company has the right to modify the information in this introduction before notify! And keep the explanations right for the above.

2. Working Principle

360 magneto-optic hair removal freckle removal system can be divided into two parts, one part is for IPL intense pulse light, and second part is the powerful magnetic energy. Magnetic light is an intelligent and non-stripping skin reconstruction system with the technology of epidermal cooling technology, magnetic energy and multi-band IPL. Magnetic light combines the above technologies to provide targeted treatment for different skin types and different skin problems. Under the premise of the full protection of the epidermis (epidermis cooling technology), the use of magneto-optical technology can be a unique decomposition of the epidermis and dermis pigments (such as: zygomatic brown glider, etc.), it could maximum focus to the dermal collagen tissue and hair follicles of the hairy nipples.

This is the unique technology which can perfect used in Aesthetic Medicine.

It break a medical problem, magnetic energy have strong penetration ability, it can active and peel melanin cells which adsorbed on the cell wall in the dermis, and peeled melanin were extracted to the skin surface, IPL absorb the melanin, blasting instantly. The others melanin is expel from the body by the lymphatic microcirculation metabolism.

1) Strong energy:

The output energy of magnetic-optic is at least 10 times of SHR IPL, so the effect of skin rejuvenation is better than SHR IPL.

2) No need to replace the filter:

Magneto-optic handle are no need to change filter. The machine automatically selects the length of light waves we need, more convenient operation for beautician.



3. Machine Advantages

1. Adopting the newest 360 magneto-optic technique
2. Two handles for wide treatments and multifunctions.
3. Very safe and effective
4. Good water cooling system, fast crystal cooling
5. Simple software, easy operation
6. British lamps, big longevity 200000-300000 shots.

4. Application

1. Full body hair removal
2. Acne treatment
3. Skin rejuvenation, skin whitening
4. Removal freckle, sun spot, age spot and acne
5. Facial vascular lesions therapy
6. Enhance skin metabolism, wrinkle removal.

5. Machine Pictures





**HR Handle 640nm
(hair removal)**



**SR Handle 530nm
(skin rejuvenation,
freckle removal)**

6. Software

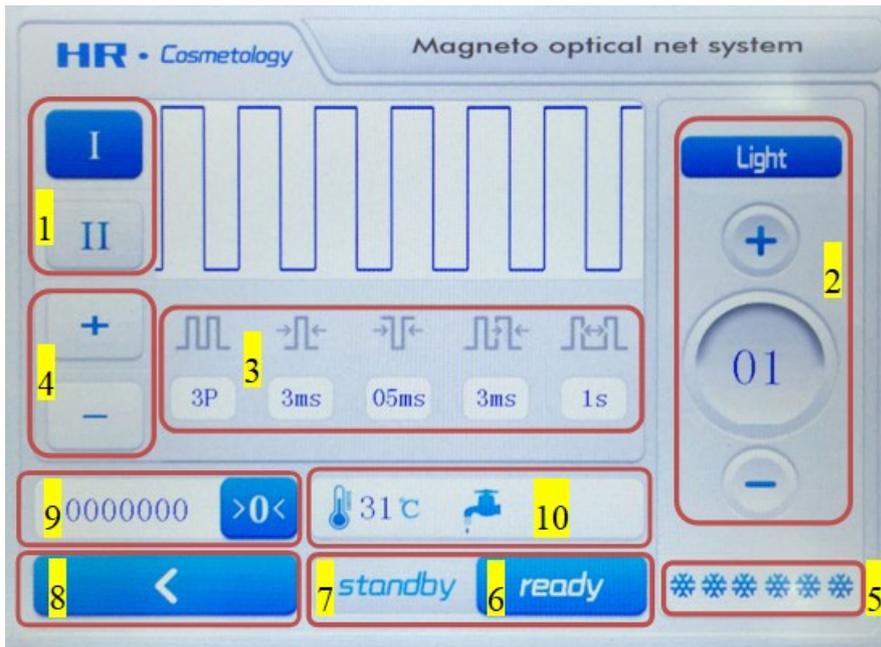
1. the first welcome page, click anywhere to enter handle selection page



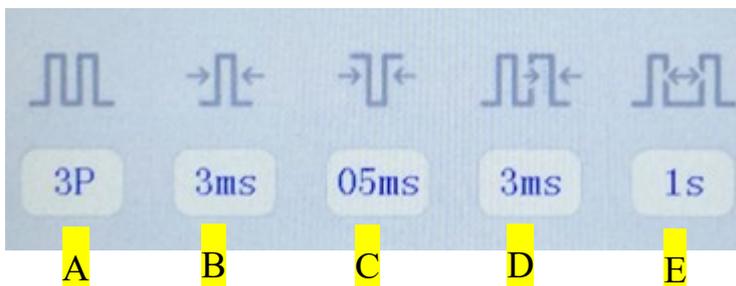
2. Handle selection page



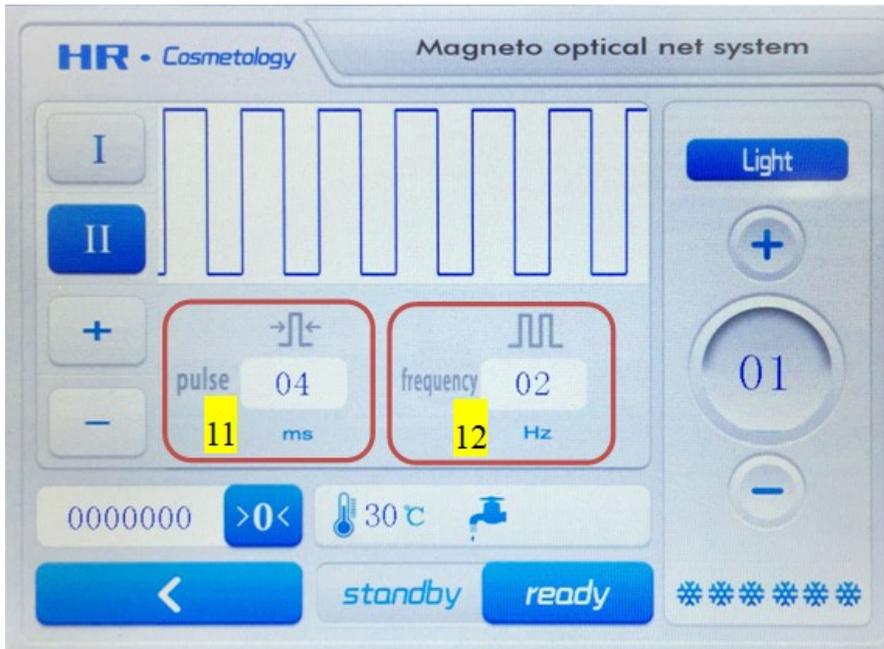
3. Operation page



1. I single shot working mode (small area)
- II Continuous shot working mode (big areas, fast treatment)
2. IPL energy adjust (we suggest start from 2 and then increase)
3. Single shot working mode, pulse setting
4. Pulse parameter increase and decrease
5. Water cooling system, set full cooling
6. Ready: start (click it, the handpiece will become cooling)
7. Standby: pause
8. Return back to handle selection page
9. Total ipl shot recorder
10. Machine working temperature and water cooling condition



- A: light pulse number (set 3P) more pulses, energy stronger
- B: the first pulse width (the ipl light staying time on the skin) bigger, energy stronger
- C: the interval time between the first pulse and the second pulse (10ms-20ms)
- D: the second pulse width (the ipl light staying time on the skin) bigger, energy stronger
- E: The light shot frequency: 1-3s in the beginning, you can set 2s or 3s. when you are familiar, you can set 1s.



11. Continuous working pulse width: you can set 3-8ms, bigger, energy stronger
12. Pluse frequency: light shot speed (1-10hz)

7. How to install this machine?

1. Open the machine package, and check all accessories.
 2. Place the machine on the flat ground.
 3. Check any damages on the machine and accessories.
 4. Install the machine and connect the two handles.
 4. After install, Let the machine rest for 2-3 hours before you test the machine.
 5. The room temperature should be 22°C-28°C, keep away from flame and smoke.
 6. Input pure or distilled water into machine (water input hole); fill it full until water overflows from water overflowing hole.
 7. First time use, you can place the two handles flat on the ground, power on the machine, set full cooling on screen, click "ready", let the water cycling well into handle pipes and handpiece, 30 minutes later, when the handle crystal is cooling enough, you can click the working button on handle to test the ipl energy.
- Please kindly note, if the handle crystal is not cool, do not click the working button on handle, or else, the high temperature light will damage the lamp and handpiece inside.

Note:

1. Please add pure or distilled water into machine
2. Replace new water every 15-30days.
3. Make sure the handpiece crystal is cooling enough before you make ipl light.

8. Operation Process



Step 1: Test skin sensitivity



Step 2: Clean and shave hairs



Step 3: Smear Gel on skin



Step 4: Shoot on skin



Step 5: Repeat like #
for 5-8times



Step 6: After treatment, Gel cool
for 15 minutes

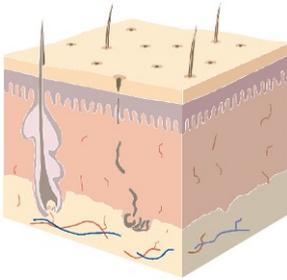
Note:

Test the energy on the skin before official operation, when client feel heating, the energy is good.

Set different parameters as per different skin and hair conditions.

Black hair, use low energy, light hair, use big energy

PHYSIOLOGY of HAIR



Hair is mainly composed of two parts.
 Hair Trunk, it is the visible part, hardly no influence on hair grow up.
 Hair follicle is endermic tissue, to determine hair growth.

Period of Hair Growup

1. Growup

Normally, human being has 85% hair always in growing up. Hair grows up can keep 2-6 years, it will grow up 10cm every year, but its length will not over 1meter usually.

2. Transition

After period of hair grow up, it will enter transition. Transition normally will keep 1-2weeks. During transition, hair follicle will be shrinked to 1/6 of normal hair length.

3. Dormancy

Dormancy is after Transition, hair will not grow up, but it also connected with hair follicle, dermis nipple is in dormancy and will keep 5-6weeks. Normally, there is 10-15% hair in dormancy. During course of laser hair removal, it is important to choose proper hair grow-up. During growup, mother cell of hair rapidly split, melanin quantity is most, melania develop in period of hair growup, and will become a part of hair follicle, it is extremely sensitive on laser. We only can use this equipment to do hair removal during this time.

Part of body	Proportion of developing period	Dormancy	Density /cm ²	Deepness /mm
Mandible	70%	10 week	500	2-4
Muffle	65%	6 week	500	1-2.5
Oxter	30%	12week	65	3.5-4.5
Bikini area	30%	12week	70	3.5-5
Leg	20%	24week	60	2.5-4

Treatment time is every 25-30days, 4-8 treatments for a session.

9. Post-Treatment Notice

1. After the operation, do not bathing, swimming, within 24 hours to prevent inflammation.
2. Within 2 weeks, pay attention to sunscreen.
3. Better not wear lotion, such as body care products, it may irritate skin and cause infection within 24 hours.
4. Do not drink alcohol within 7 days.
5. Eat less spicy food, eat more fruits and vegetables, and light color food.
Vitamin C can improve skin resistance and reduce pigment formation.
6. No strenuous physical activities immediately after operation within 24 hours.

10. Device Daily Maintenance

1. Clear the device with clean water in time after use
2. Do not clean the device with anything contains alcohol.
3. Please power off the device after use.
4. Check the electricity carefully before every operation.
5. Please use the specified accessories provided or recommended by the original manufacturer to ensure the effect and device life.
6. Keep the device away from humid or very hot place.
7. Keep the device away from direct sunlight.
8. Do not drop, strike, beat, throw the device and handle,
Or else it may cause damage.
9. Check if enough water inside machine before operation.
10. Before operation, make sure the handle is cooling enough.
11. Fill distilled water inside machine every week and replace with new distilled water every month.

11. The Groups cannot Use

- 1) Pregnant women or women during in menses.
- 2) Epileptic
- 3) Patients with malignancy.
- 4) Patient whose wound after operation has not healed up.
- 5) Acute inflammation or epidemical patients.
- 6) Whom with heart diseases or with heart pacemaker..
- 7) Whom with kidney (gall-stone) disease.
- 8) Who was embedded metal object or silica gel.
- 9) Who in menses, birth control period, emiction incontinence period, or accepting the belly operation.
- 10) Whose body always takes much inner hot.
- 11) Who has the genetic hypersensitivity

12. Before & After



13. Technical Parameter & Packing List

Technique Parameters:

Voltage	100V~240V
HR wavelength	640nm (hair removal)
SR wavelength	530nm(skin rejuvenation)
Power	2000W
Energy density	1-50J/cm ²
Spot size	10x40mm
Frequency	1-10hz
Handle shots	200000 shots
Screen	10.4 inch color touch
Packing	Wooden Box
G.W.	60KGS
Packing Size (cm)	64*60*125CM

Packing List

Item Name	Unit	No.	Remark
Main Machine	unit	1	
Power cord	pc	1	
Glasses	pc	1	
Goggle	pc	1	
Handle	pc	2	(HR & SR)
Funnel	pc	1	
Fuse	pc	2	

14. After-sale Service & Maintenance

The term of maintaining guarantee is main device 1 year and spare part 3 months from the date of purchasing according to the receipt. (Expendable is not included in it.) Others not included in maintaining guarantee or over the time, we also supply to maintain and renew but need charges. Please contact with the dealer if need change of purchasing the parts and easily expendable products.

A. We will guarantee the quality of our equipment, normally there is no quality problem

1. If there is a deficiency, please email or call us on the reasons, it would be best to dealt with by email or telephone. Because some of the problems are caused by using the machine in a wrong way.
2. We suggest the client to take photos of the area where the problem occurs, we will pass them to our technician , our technician will give a satisfactory answer within 1-7 working days
3. If the problem comes from the spare part within the warranty, we could consider in changing the spare part to our client, which could be sent with his/her next order. If the next order is uncertain, we could pay freight cost to send the spare parts.
4. If the problem comes from the main device within the warranty, we could advice our client to post the device back to our company for repair by ordinary post, or we could re-send a new one to our client. If the cost of posting the problematic device back to BEST is more than the value of a new device, BEST would take it into consideration, according to the actual status; apply to re-send a completely new device back to our client.

B. We won't supply maintaining guarantee if troubles as below:

- a) Disassembling the machine by self;
- b) Fall it without caution;
- c) Lack of reasonable keeping and protect;
- d) Not operate according to the user manual.
- e) Expendable reasons

If changes of the design and specification of the machine, we will not notice you in addition. If any queries, please feel free to contact with the local marketing company.

All in one, we will do our best to serve you and also need your fully cooperation.

15.Warranty Card

Product Name:		
Purchase Date:		
Deadline:		
Seller Name:		
Seller Add:		
Seller Tel:		
Repair Date:	Fault Manifestation	Broken Stuff



Quality & Service
Our Focus