

User Manual

LT-110P



Preface

To our valued users,

Thanks for choosing our latest phototherapy instrument, which has a good curative effect on anti-aging, allergy prevention and resistance, acne removing, acne marks fading, oil-control, and pigment fading. It's a professional beauty equipment. Any improper use of this equipment may bring adverse consequences to human body, thus we advise all the people to read this manual thoroughly and follow the instructions specified hereby strictly before operation.

We believe our quality product will give you a good return, and our perfect after-sales service will make you worry-free.

Thank you.

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Part I

Brief Introduction

LT-110P is a skin therapeutic equipment that applies photodynamic technology. This device can activate deep cells and make skin have a better metabolism. It can be used together with all the beauty programs in beauty salon, and consolidates the curative effect while doing daily skin care, and exerts double care and maintenance on skin. Moreover, it can be operated easily, conveniently and swiftly, and has been upgraded with multiple technologies that make it has a good performance, beautiful and elegant appearance, and has a more remarkable effect. And it solves skin and laziness problems for people pursuing beauty. Besides, this equipment works safely and effectively, and requires no skin breaking, no injection, no medication and no operation. It has no side effects, and is operated externally throughout, and has an instant effect.

Advantages

1. It has a full touch screen, and is easy to operate.
2. It has a movable lamp panel, which makes it easy to store and carry.
3. It has various colored lights which can better fix different skin problems.
4. Infrared ray can rapidly do sterilization, control oil and inhabit acne.
5. It suits all kinds of skin quality, which fixes the problem of making choices in terms of skin quality.
6. No consumption, low cost, but with quick return.
7. Unevenness, bleeding and swelling will not occur.

Working Principle

It adopts photodynamic principle to activate deep cells and make skin have a better metabolism. After the ray of light was absorbed by skin, light energy was transformed into intracellular energy which expands and strengthens micro-vessels and causes it to have photochemical reaction-enzymatic reaction with skin, and increases glycogen and protein content so as to accelerate cells metabolism and synthesis. It stimulates the secretion of body alkaline synthetic fiber growth factor (BFGF) Machine and epidermal growth factor (EGF), increases collagenous fiber's elasticity, rearranges fibers, blocks and eliminates the formation of melanin, accelerates the growth of cells and blood circulation, stimulates fibrocyte tissue producing collagen, and increases the elasticity of skin. Moreover, it plays an important role in repairing aging and acne skin, and in fading spots, and in firming and lifting, as well as in alleviating sunburns.

Biological Effect: It adopts photodynamic principle to activate deep cells and make skin have a better metabolism. After the ray of light was absorbed by skin, light energy

was transformed into intracellular energy which expands and strengthens micro-vessels and causes it to have photochemical reaction-enzymatic reaction with skin, and increases glycogen and protein content so as to accelerate cells metabolism and regeneration.

Effects for Different Colored Light:

Red Light: with a wavelength of 650NM

Depth of Penetration: 1 to 6mm

Effect: It has a strong penetrating power, and can stimulate the regeneration of skin cells, help to heal wound, cure allergic dermatitis or tinea. And it alleviates pain, stimulate activity and collagen hyperplasia, improve wrinkles, effectively cure aging, ease the deep absorption of skin and skin care products.

Remark: It heats up to some extent during the treatment. Under the circumstance that the skin turns red after laser treatment, this treatment may make people feel irritated to some extent.

Green Light: with a wavelength of 527NM.

Depth of Penetration: 0.5 to 2mm

Effect: It can get rid of facial yellowing and wrinkles as well as skin's acne, accelerate blood circulation, stimulate the activity of skin cells, and improve oily and acne skin.

Blue Light: with a wavelength of 462NM

Depth of Penetration: 1mm

Effect: It kills bacteria, cleanses skin, activates cells, recovers injury, stimulates the formation of protein ossein, removes acne and acne skin, inhabits sebaceous gland, and prevents wound infection.

Yellow Light: with a wavelength of 590NM

Depth of Penetration: 1 to 2mm

Effect: Improve cellular oxygen's metabolism, stimulate micro-circulation and lymphatic detox, decompose pigment, cure rough skin, red spots, and obstructed circulation, prevent redness, blush and pigmentation.

Purple Light: with a wavelength of 600NM

Depth of Penetration: 1 to 2mm

Effect: It's a dual-band light of red and blue, and combines together the effect of the two lights. Stimulate skin's activity and the regeneration of collagen, accelerate skin metabolism, and can fade acne marks and pits. And it's especially effective in curing and repairing acne and acne scar.

Turquoise Light: with a wavelength of 470NM

Depth of Penetration: 0.5 to 2mm

Effect: Sedation. It's the combination of yellow and blue lights. Boost defense

capability and skin's protective capability, calm skin, release pressure and cure sunburn. It can effectively alleviate allergy and repair sensitive skin.

White Light: with a wavelength 670NM

Depth of Penetration: 1 to 3mm

Effect: Activate cell tissue and stimulate metabolism. Improve skin pigmentation, brighten skin color, resolve pigment and flatten scars.



Main Effects

1. Skin Rejuvenation: flatten wrinkles and fine lines, improve color spots and large pores, brighten skin, and cure the expansion of capillaries.
2. Tightening: firm eye bags, alleviate black eyes and cervical stripe, reduce wrinkles and fine lines, boost and tighten skin, restore elasticity and smoothness, and regulate skin's darkness.
3. Spots Removing: remove freckles, chloasma, aestates, age pigment, chloasma hepaticum, skin spots and some chromatosis.
4. Wrinkle Removal: remove forehead and nasolabial groove's wrinkles, flatten facial, forehead and neck wrinkles.

5. Acne Removing: lower the activity of sebum, get rid of acne and bacteria, and improve oily skin.
6. Removal: remove nodositas acne, acne, allergic acne, acne mark, acne pit and acne rosacea.
7. Skin Improving: improve skin problems, including dry, oily and aging skin and other integrated problems.

Indications

1. People with dull yellow or lacklustre face.
2. People with coarse skin or large pores.
3. People with sensitive skin, or whose skin are prone to allergy.
4. People with oily, pimple or acne skin.
5. People with acne pits or acne marks.
6. People with slack or saggy skin.
7. People with visible wrinkles.

Contraindications

1. People in pregnancy, lactation or surgical recovery.
2. People whose treated part has skin trauma or wound.
3. People who once infected with skin tumor.
4. People who once undergone radiotherapy.
5. People who are sensitive to light.
6. People who have unrealistic illusion about the effect.

Matters Needing Attention Before and After Treatment

1. Put on goggles before the treatment.
2. Avoid insolation of the treated parts or exposure of other artificial light sources during phototherapy.
3. Avoid eating spicy food and unnecessary photosensitive reaction.
4. Keep hydrating, and protect yourself from the sun.
5. Avoid staying up late, smoking or drinking alcohol. Instead, eat more vegetables, fruits and light food.
6. Don't use irritant skin care products that contain scrub, exfoliant, AHA(Alpha Hydroxyl Acid), etc.

Part II

1. Detailed Operations



Have the power cord hereby connected.



Press the switch, then it's on-state if the lights are on.



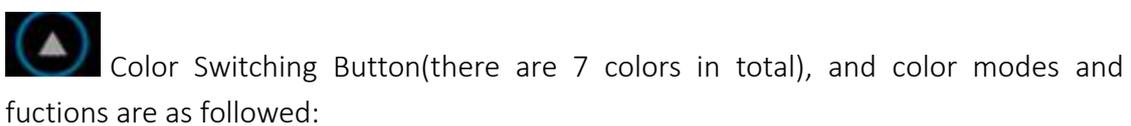
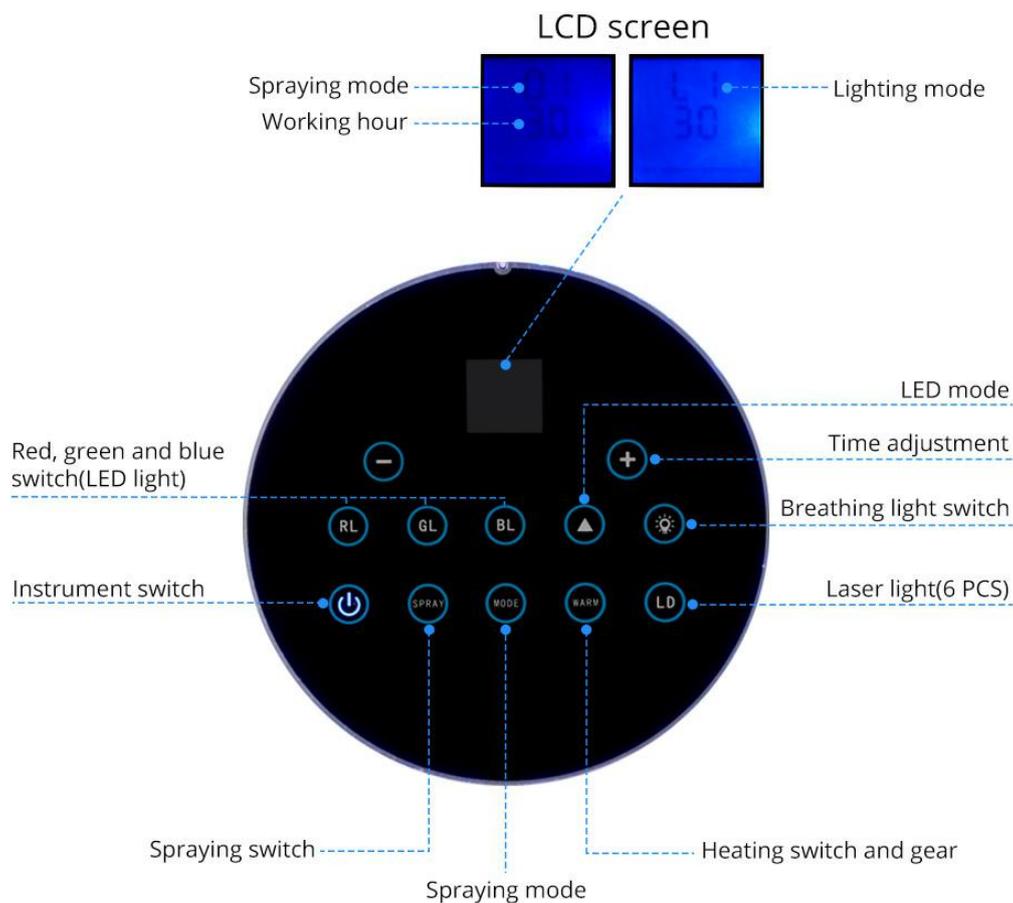
There is a rubber plug on the top of the equipment.



Open it to pour

a proper amount of distilled water into it (please don't pour products containing skin care ingredients into it due to the following two reasons: first, it's hard to clean it and it's smelly; second, it affects its service life.)

If the buttons are lighting up in the following setting interface, then it means either the light or the mode is on-state.



Red Light: with a wavelength of 650NM

Depth of Penetration: 1 to 6mm

Effect: It has a strong penetrating power, and can stimulate the regeneration of skin cells, help to heal wound, cure allergic dermatitis or tinea. And it alleviates pain, stimulate activity and collagen hyperplasia, improve wrinkles, effectively cure aging, ease the deep absorption of skin and skin care products.

Remark: It heats up to some extent during the treatment. Under the circumstance

that the skin turns red after laser treatment, this treatment may make people feel irritated to some extent.

Green Light: with a wavelength of 527NM.

Depth of Penetration: 0.5 to 2mm

Effect: It can get rid of facial yellowing and wrinkles as well as skin's acne, accelerate blood circulation, stimulate the activity of skin cells, and improve oily and acne skin.

Blue Light: with a wavelength of 462NM

Depth of Penetration: 1mm

Effect: It kills bacteria, cleanses skin, activates cells, recovers injury, stimulates the formation of protein ossein, removes acne and acne skin, inhabits sebaceous gland, and prevents wound infection.

Yellow Light: with a wavelength of 590NM

Depth of Penetration: 1 to 2mm

Effect: Improve cellular oxygen's metabolism, stimulate micro-circulation and lymphatic detox, decompose pigment, cure rough skin, red spots, and obstructed circulation, prevent redness, blush and pigmentation.

Purple Light: with a wavelength of 600NM

Depth of Penetration: 1 to 2mm

Effect: It's a dual-band light of red and blue, and combines together the effect of the two lights. Stimulate skin's activity and the regeneration of collagen, accelerate skin metabolism, and can fade acne marks and pits. And it's especially effective in curing and repairing acne and acne scar.

Turquoise Light: with a wavelength of 470NM

Depth of Penetration: 0.5 to 2mm

Effect: Soothing. It's the combination of yellow and blue lights. Boost defense capability and skin's protective capability, calm skin, release pressure and cure sunburn. It can effectively alleviate allergy and repair sensitive skin.

White Light: with a wavelength 670NM

Depth of Penetration: 1 to 3mm

Effect: Activate cell tissue and stimulate metabolism. Improve skin pigmentation, brighten skin color, resolve pigment and flatten scars.



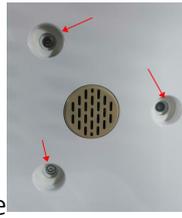
Light Flashing Button



Mode Selection



Cold Spray Mode



The place pointed by the arrow is spray outlet.

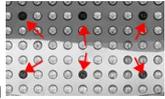


Warm Vapor Mode



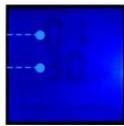
The place pointed by the arrow is hot vapor outlet.



LED Light. For color or mode changing, press this LD button  then the 6 lamplight holes pointed by the arrow in this picture will on, and this is infrared ray light beam.



Time Setting(decrease & increase)



Injecting Mode(01-05)



Lighting Mode(L1-L8)

How to Use: Cover the eyes with goggles or wet tissue, then place the device on the top of head, turn the device on, set the time, select the desired color of light in accordance with the introduction about the light functions, and light flashing can be chosen in line with individual habits. Cold spray mode is for after treatment use and sensitive skin, while hot mode is for opening pores before treatment. Press On to operate.

2. Technical Parameters

Power:32w

Color: As Pictures Show

Technology: PDT led lights skin care

Wavelength: Red-620nm, yellow-590nm, green-520nm, blue-465nm,

Input voltage: 100-240VAC, 50/60Hz

Power per light: 0.01mw

Brightness: Red 3000-4000mcd, yellow 3500-4500mcd, green 7000-8000mcd, blue 4500-5500mcd,

3. Contraindications

People with the following situations should use the equipment with caution. Please consult a doctor or professional before using this equipment. The details are as follow:

- (1) People in pregnancy, lactation or surgical recovery.
- (2) People with skin trauma or wound.
- (3) People who once infected with skin tumor.
- (4) People who once undergone radiotherapy.
- (5) People who are sensitive to light should use with caution.

4. Precautions for Use

- (1) Plug with ground pin must be used, and power socket that already factually grounded must be ensured before using the equipment.
- (2) To make sure equipment's voltage is adaptive. If voltage of local power supply is unstable, we suggest users add voltage regulator with matching power between the mains supply and the equipment.
- (3) To guarantee curative effect and normal service life of the equipment, please uniformly use specified parts provided or suggested by original manufacturer.
- (4) The equipment can't be placed in damp places or near water, and also can't be exposed to direct sunlight.
- (5) Don't place the equipment near a strong heat source since this may affect its service life and normal use.
- (6) Please remove all the metal objects from body before treatment so as to avoid unexpected situations which may affect curative effect.
- (7) People who are suffering from illness should with caution unless he gets permission from a doctor.
- (8) Please turn off power switch of the equipment if no one uses it, and ensure main power is off after someone used it and before he left, thus safety of the equipment can be guaranteed.
- (9) Goggles must be used to avoid bright light hurting eyes when in use.
- (10) When there is dust on the surface of the equipment, just clean it with duster cloth and refrain from using chemical agent.
- (11) Don't take out the plug with the hands having water. Personal safety comes first.
- (12) Please use the equipment in accordance with the instructions specified in the manual.

5. Troubleshooting & Solutions

- (1) The equipment can't be started, and the display light is not working?
 - A. Make sure the plug is tightly inserted and power cord is plugged into a good power socket.
 - B. The equipment or the power cord get damaged.

- (2) System halts or buttons are not working?
- A. Turn off the equipment, take out the power cord, and restart after 10 seconds.
 - B. Buttons on the touch screen get damaged.
- (3) The equipment can start but the lamp beads are not working or some of them are not working?
- A. Check whether the light mode is on.
 - B. The internal chip is burnt out and needs to be replaced.
 - C. Lighting piece is broken.

6. FAQs

(1) Q: What functions does this equipment include?

A: It stimulates collagen regeneration and skin absorption, increases skin's elasticity, contracts pores, does tightening and anti-aging, delays aging, brightens skin color, makes skin delicate and shiny, diminishes inflammation, kills bacteria, controls oil, inhabits acnes, tighten and lighten skin, and does comprehensive repairing.

(2) Q: Do I need to be on a diet after the treatment?

A: To avoid eating spicy and light-sensitive foods, such as fig, chinese milk vetch, oilseed rape, celery, etc. And to avoid causing unnecessary photosensitive reaction.

(3) Q: Does it have any side effects on body?

A: It requires no skin-breaking, and is used externally throughout. In principle, there is no side effects if the operations are strictly follow the manual. However, the company shoulders no responsibility for side effects that caused by problematic skin when using this instrument, or for people who shows no side effects during the test that conducted by the company but develop side effects after using it.

(4) Q: How long does it take to see the effect after the treatment?

A: The effect is instant. Skin care is a progressive process, thus do not go off at half cock. For a better effect, we must continue to have this treatment regularly.

7. Packing List

Main Machine x1
Power Cord x1
Goggles x1

8. Operational Diagrams

Parameter Setting	Product	Technique	Diagram
Anti-aging & Skin Tightening: 90 Minutes/ Once a Week			
<p>Color Selection: Choose it in accordance with working principle, or function introduction given in the detailed operation page or individual demands.</p> <p>Hot vapor mode can be used before treatment for opening pores.</p> <p>Cold spray mode can be used after treatment for calming, repairing and sculpting reinforcement.</p>	<p>Makeup Remover + Facial Cleanser + Instrument + Toner + Massage Cream + Hydromask + Essence + Facial Mask</p>	<ol style="list-style-type: none"> 1. Remove makeup and clean the face, 5 minutes. 2. Apply hydromask and use phototherapy instrument(WARM Mode), 5 to 8 minutes. 3. Clean the face, 2 minutes. 4. Apply toner, 1 minute. 5. Apply massage cream evenly to the face, and caress it for 3 times. 6. Press Chengjiang(REN-24), Renzhong(DU-26), Dicang(ST-4), Jiache(ST-6), Yingxiang(LI-20), Jingming(BI-1), Cuanzhu(BI-2), Yuyao(EM3), Sizhukong(TE-23), Temple, Tongziliao(GB-1), Chengqi(ST-1), and Sibai(ST-2). Repeat 3 times. 7. Caress the whole face for 3 times. 8. Lift in three lines respectively with two hands doing it alternately, from chin to earlobe, from the corner of mouth to 	<p>Technique 5, 7</p>  <hr/> <p>Technique 6</p>  <hr/> <p>Technique 8</p>  <hr/> <p>Technique 10, 12</p>  <hr/> <p>Technique 15</p>

		<p>Ermen(SJ21), from nose wing to Temple, from lower eyelid to Temple, and lift the corner of eyes. Repeat 3 times.</p> <p>9. Do the same on the other side.</p> <p>10. Lift from forehead towards hairline. Repeat 3 times.</p> <p>11. Flip and lift the face with rotating fingers. Repeat 3 to 5 times.</p> <p>12. Flip from forehead towards hairline with one hand. Repeat 3 to 5 times.</p> <p>13. One side, flip and lift the face with two hands doing it alternately. Do it for 2 to 3 minutes.</p> <p>14. Do the same on the other side.</p> <p>15. Move zigzag on the whole forehead with middle and ring finger, slide to the front of ear and lift to and fro for 3 times, and slide out from the back of ear.</p> <p>16. Treatment done.</p> <p>17. Clean the face, 2 minutes.</p> <p>18. Apply facial mask and operations for phototherapy instrument (SPRAY Mode): place the device on the top of head, set energy parameters, press</p>	
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		<p>Start to operate, 15 minutes.</p> <p>19.Clean the face, 2 minutes.</p> <p>20.Apply toner, essence, facial cream and sunscreen.</p> <p>21.Treatment done.</p>	
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Course of Treatment Recommended:

A course consists of ten treatments. After one treatment, skin becomes tightened and rejuvenated, and is supplemented with the needed nutrition. After a course, skin improves and turns glossy. After two courses, skin becomes smooth and plump, and its outline gets clearer gradually. After three courses, skin metabolism and detox enhance. And it helps to fade pigment and dark skin, prevents and delays skin aging, loosening and sagging, and stimulates collagen hyperplasia in underlying skin, which makes skin tender, smooth, firm and shiny.