

Osaki
LED Therapy Dome LT
User's Manual Book



Optical Instrument

Instruction Manual

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Product Specifications

Product name	Osaki LED Therapy Dome LT
7 Light Colors & Wavelength	Red 635nm, Blue 464nm, Green 525nm, Purple 308nm, Orange 610nm, Yellow 590nm, White 390nm~780nm
Luminous Intensity	Red 600-650mcd, green 2700-3000mcd, blue 350-450mcd
Power supply	DC12V / 1A
Power	30W
Battery capacity	2600mah
LED number	300pcs
Diode number	900pcs
G.W	9.2 lbs
N.W	6.06 lbs
Size	20.7 inch(L)x 11.1 inch(W)x 13.4 inch(H)
Packing size	23.1 inch(L)x 13 inch(W)x 15.8 inch(H)

Color LED Functions

Colors	Wave length	Effect
Red Light	635 nm	The high energy red light has a strong penetration which is applicable to anti-inflammation, pain ease, aids to stop tissue fluid an wounded surface, accelerate wound healing, increase cell enzyme activity, improve ion metabolism, reduce muscular tension, relieve muscle spasm and prevent cardiovascular diseases and cytometaplasia. Moreover, red light is used to aid against neurodermatitis, acne, burns, tendinitis, bruise, chronic cough, asthma, eczema, arthralgia and rheumatoid arthritis clinically.
Green Light	525 nm	The green light has relaxing and calming functions and has analgesia and sedation effect on sensory nerve. Therefore, there is a great phototherapy function on hypertension, hemiplegia and neurasthenia. It is also helps aid with asthma, climacteric syndrome, kidney diseases, diabetes and digestive tract diseases, detoxifying, relaxing nerve, calming nerve and helping to fall asleep.
Blue Light	464 nm	Blue light can promote protein and collagen synthesis, which is suitable for curing infant jaundice, allergic, oily and acne skin, inhibiting bacillus, activating and tightening skin and stretch marks, relaxing nerve relieving pain, reducing excess erythrocytes, eliminating tissue hyperemia and improving lymphatic system. Clinically, it has been used on goiter, chronic heart disease, insomnia and climacteric syndrome.
Purple Light	308 nm	Purple light stimulates secretion system and smooth lymph, its function is weaker than red light but can repair skin and mucosa ulcer and acne.
Yellow Light	590 nm	Yellow light is used to aid in lightening sun spots, desensitization, inhibit pigmentation, accelerate wound and ulcer recovery. While it is promoting adrenaline secretion, it is improving the immunity as well. Medically adrenaline can stimulate the heart when it stopped or dilate trachea for asthma.
Orange Light	610 nm	Orange light can promote blood circulation, accelerate metabolism, improve thyroid function, lower cerebrovascular and coronary artery sclerosis degree, increase appetite, cure emaciation and anemia and apply on common heart diseases especially weak heartbeat. Use with blue light when healing chronic heart disease and palpitation.
White Light	390~780 nm	White light can eliminate the pigments in the skin to lighten freckles, sunspots, and aid in brightening the overall skin complexion.

Comparison of application effect



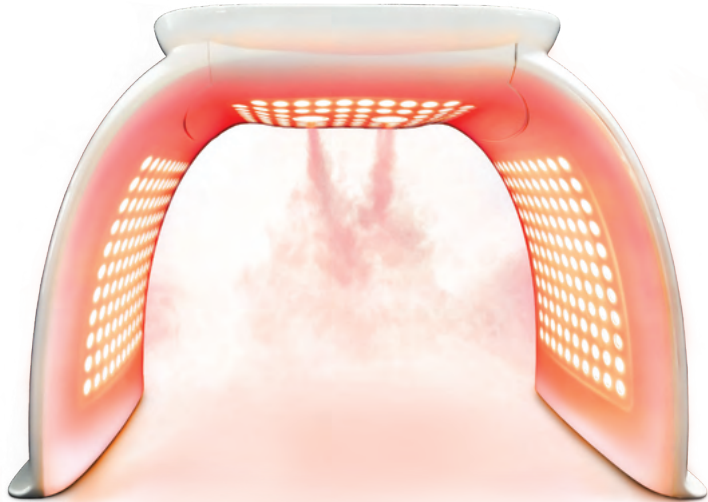
How to use

- (a) Lay on your back, lay on your side, lay prone or sit down in order to irradiate different parts.
- (b) The instrument can irradiate every part of the body and much more portable than those large size equipment.
- (c) To adjust the height of the product, please heighten the bottom of this instrument by other objects (such as books or stools) in order to meet the irradiation requirement of special parts.
- (d) The irradiation duration can be increased or decreased by every 5mins within the range of 30-60mins, irradiating by different frequencies are available. The suggested daily irradiation duration is less than 60mins.
- (e) Please perform sterilization regularly and turn on the fan for heat dissipation in order to extend the instrument's life.

Product composition

Product introduction

Product composition (basic parts)



Main machine

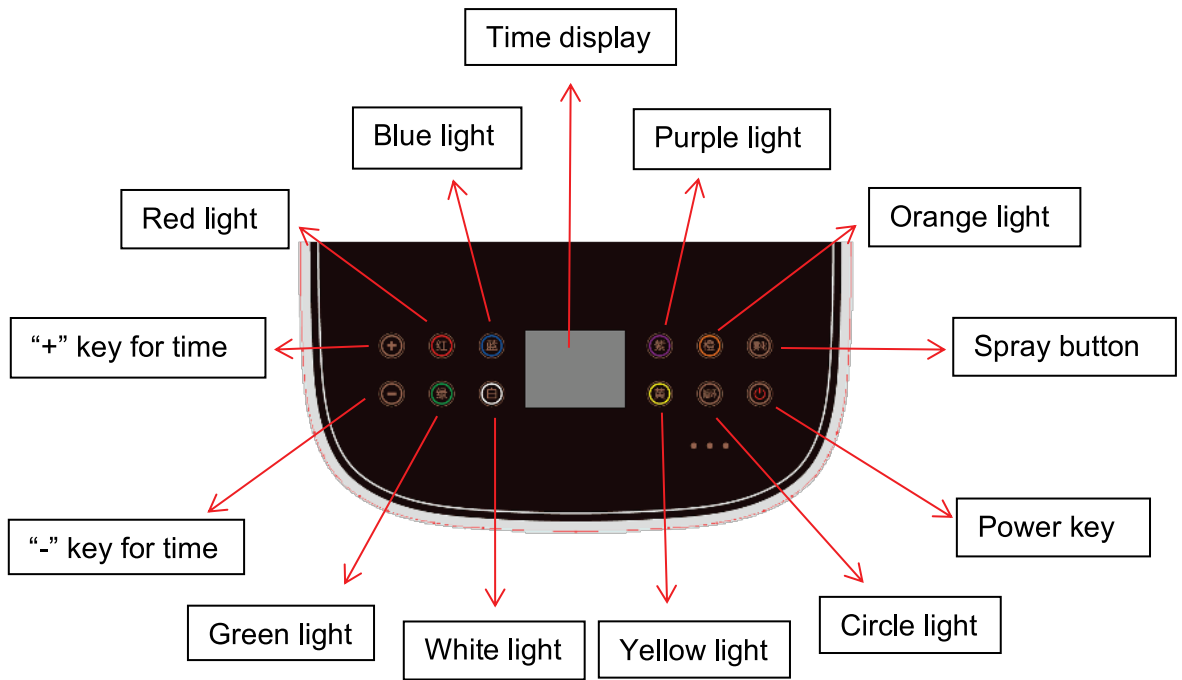


Special eye cover for optical instrument



Power adapter

Name and Function of each Key on the Panel



Installation

(a) Open the box, take the instrument out carefully, then put it on a plane place.

(b) Plug the DC terminal of the adapter into the DC port and make sure their connection is stable.

(c) Plug the AC terminal of the adapter into the power socket, if the instrument is powered on, there will be a "Beep" tone and the power key will flash, then the whole instrument enters into standby status.

(d) Warning

- ☒ . The character for function keys cannot be seen on the touch panel if this instrument is powered off
- ☒ . This instrument's function key operation is touch control and the "Beep" tone means it is in successful operation. Please do not continue to press one button repeatedly, it is not recommended.

Operation Guide

(a)Function description of the keys.

I.All keys are operatable by touch and the instrument will produce a "beep" tone if successful.

II. Power key: the instrument will enter standby mode and flash when the power is turned on. Press this key, the instrument will start, and all lights will turn on; press again to return to standby.

The spray button: after pressing this key, four holes in the middle of the lamp will slowly eject a fine vapor of water to moisturize skin. The water spray works as a humidifier to help moisturize the skin. Water tank has a limit of approximately 300ml.

III. "+" key for time: after selecting light irradiation mode, press this button, the key backlight will change from shimmering to bright and last 5 more minutes; Remove hand from the key and the backlight will return to a shimmering status, the screen can synchronize 10-60mins time setting and time can be added continuously; if there is no operation within 3s under time setting mode, the instrument will quit and follow the previous instruction to work.

IV. "-"key for time: after selecting light irradiation mode, press this button, the key backlight will change from shimmering to bright and lasting time will be 5 less minutes; leave the hand from the key and backlight will return to shimmering status, the screen can synchronize 30-60mins time settings and time can be reduced continuously; if there is no operation within 3s under time setting mode, the instrument will quit and follow the previous instruction to work.

V. "Red" key: the buzzer will response once after pressing this key and the instrument will enter into the red-light mode, press again to quit.

VI. "Green" key: the buzzer will response once after pressing this key and the instrument will enter into the green light mode, press again to quit.

VII. "Blue" key: the buzzer will response once after pressing this key and the instrument will enter into the blue light mode, press again to quit.

IX."Red"and"Green" key combination: the buzzer will response once after pressing red and green key at the same time and the instrument will enter into the red light and green light alternation mode with 3s alternating frequency, press again to quit.

X. "Red" and "Blue" key combination: the buzzer will response once after pressing the red and blue key at the same time and the instrument will enter into the red light and blue light alternation mode with 3s alternating frequency, press again to quit.

XI. "Blue" and "Green" key combination: the buzzer will response once after pressing the blue and green key at the same time and the instrument will enter into the blue light and green light alternation mode with 3s alternating frequency, press again to quit.

XII. "Red" ,"Green" and "Blue" key combination: the buzzer will response once after pressing red, green and blue key at the same time and the instrument will enter into a red, green and blue light alternation mode with 3s alternating frequency, press again to quit.

XIII. "Other keys" (orange, yellow, purple and white) for switching other lights (orange, yellow purple and white): the buzzer will response once after pressing this key and the instrument will enter into orange light mode, press again to switch to yellow light mode, purple light mode, white light mode, again to quit and again to yellow light mode.

XIV. Cycle key: the buzzer will response once after pressing this key and the instrument will enter into the red, orange, yellow, green, blue, purple and white light cycle mode, press it again to quit.

(b) Indicator light display: Display is LED.

(c) Charging function: It can be fully charged after 2 hours, and can be used continuously for 3 hours.

(d) Control Function
and Mode.

(1).Standby mode: function panel is off.

(2).Red light function: when red light function is on, the function panel sparkles red light and the instrument enters into red light mode.

(3).Green light function: when green light function is on, the function panel sparkles green light and the instrument enters into green light mode.

(4).Blue light function: when blue light function is on, the function panel sparkles blue light and the instrument enters into blue light mode.

(5).Yellow light function: when the yellow light function is on, the function panel sparkles yellow light and the instrument enters into yellow light mode.

(6).Orange light function: when orange light function is on, the function panel sparkles orange light and the instrument enters into orange light mode.

(7).Purple light function: when purple light function is on, the function panel sparkles purple light and the instrument enters into purple light mode.

(8).White light function: when white light function is on, the function panel sparkles white light and the instrument enters into white light mode.

(9).Cycle function: when cycle function is on, the function panel will switch among red light-orange light-yellow light-green light-blue light-purple light-white light regularly.

Note: Red light, orange light, yellow light, green light, blue light purple light and white light cannot work at the same time. (When the preset time is up, the instrument will enter into standby mode and all function will be off.

(e)Timer

The default lasting time for all functions are 30mins and if there are two or more functions working, the longest duration will be shown on the LED screen with a count down. When the screen shows 0, the instrument will quit working the mode and enter into standby mode.

Safety precautions

1. Please read the "safety precautions" carefully for correct operation before using.
2. Please comply with the relevant content of safety precautions.
3. Please keep the instruction manual well.

Unsuitable Group Or People Who Should Use With Caution

- (a) Pregnant women.
- (b) People with terminal cancer or acute disease.
- (c) People who are cardiopulmonary dysfunction.
- (d) People who have no self-consciousness, perception or ability of expression.
- (e) People who are with coronary stent, after bypass operation, embedded cardiac pacemaker or implanted silicone prosthesis subcutaneously should use with caution.

About the power supply

1. Power supply DC12V /1A.
2. Please use a special power supply and a grounded socket.(There are hidden dangers of electric shock in fault and leakage)
3. Do not put multiple plugs into the same socket when using.(May cause abnormal heating of the socket and cause fire)
4. Do not damage, bend, pull or tie the power plug or wire.(May cause fire or electric shock due to damage to the plug or wire)
5. Keep the plug clean and do not let the power plug be contaminated with foreign matter. (Damaged or contaminated with foreign matter can cause fire or electric shock when used)
6. Do not use wet hands to insert or unplug the power plug, which may cause potential electric shock.
7. For safety, pull out the power plug in case of thunder.
8. When not in use for a long time, please separate the power plug from the socket.

About usage

1. Do not dismantle, repair or transform the product without authorization. This may cause electric shock or cause danger due to abnormal operation.
(Please contact our AS department when you need to repair)
1. In case of any abnormality of the product, please stop using it and contact the agency or A/S department of the head office in time.

☒ the company reserves the right to modify the contents of this manual without prior notice.

Grounding

1. In order to prevent electric leakage and electric shock accidents, please take grounding measures.

In case of abnormal conditions of the product: in order to prevent electric leakage and electric shock accidents, please be sure to take grounding measures.

Management and Matters needing Attention

In the case of normal products without grounding measures: minor leakage of electricity can make the body feel uncomfortable. (be sure to use a grounded power outlet and take grounding precautions.)

2. When the socket has a grounding socket. (no grounding will lead to minor leakage) no need to do another grounding measures. (a. if the power socket is not grounded, must do grounding measures. b. If the repeatedly connected socket has a grounding socket, but the power socket that connecting the wall without grounding should also do grounding measures.)

3. When the socket is not grounded.

Do not use ungrounded or reconnected sockets.

(no grounding will lead to minor leakage)

* Grounding measures: The measures to protect the safety of equipment and personnel.

Management and matters needing attention

Product management and storage methods

Warning

1. Please use special transformer and power cord.
2. Please do not place the product around the water. (If the product is wet, please remove the power plug and contact the after-sales department in time)
3. Do not operate the product with wet hands. To avoid electric shock.
4. Please avoid product impact. To avoid damage or failure.
5. Do not use when the product is damaged. To avoid causing fire or electric shock.
6. Do not decompose or transform without authorization. To avoid fire or electric shock.
7. When connecting the power or cable, please confirm whether there is any foreign body in the plug.

Attention for Usage

1. Please confirm matters needing attention and operation method before use.
2. Users receiving skin treatment must consult with a dermatologist before use.
3. For patients with diseases or users with photosensitivity, heart disorder, allergic skin or special constitution, please consult with the doctor before using
4. Before using the photometer, please wear an eye mask to avoid direct light exposure to the eyes.
5. In case of abnormal skin (redness, swelling, itching, etc.) during or after use, please stop use immediately and seek medical advice in time.
6. Slight discoloration may occur depending on the use time or under strong direct light.

Attention for storage

1. Avoid direct light and places with high temperature or high humidity.
2. The instrument that in contact with the skin need to be wiped with a dry cloth and kept.
3. Please take good care of the product to avoid damage by external shock or pressure.
4. Keep the product out of reach of children.

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