

USER MANUAL

Silicone Light Therapy Device

Model: G240



Thank you very much for your use of Silicone Light Therapy Device.

In order to ensure your safety in use, please read this User Manual carefully and pay special attention to all safety information as well as follow them strictly before using.

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1. Safety Information

Please read these safety precautions carefully and follow the Manual to operate. It is to ensure the operation of the product is correct and safe, to prevent users or other people from personal injuries or property damage, and please make sure to follow them.

1.1 Contraindications

People with the following conditions should not to use the product. Otherwise, it is easy to cause accidents or even skin and body problems.

- Patients with heart disease should not use this product.
- Patients with autoimmune diseases should not use this product.
- Melanoderma should not use this product.
- Malignant tumor should not use this product.
- Patients with epilepsy, photoinduced epilepsy or migraines should not use this product.
- People who are using photosensitive drugs due to photodynamic therapy and are unable to express their consciousness should not use this product.
- Persons under the age of 18 should not use this product.
- Pregnant women or breastfeeding should not use this product.
- If you suffer from diseases related to photosensitivity, it is prohibited to use.

1.2 Warnings

- No naked flame sources, such as lighted candles, should be placed on the device.
- Do not use the device for purposes other than those set out in this manual.
- Do not use if you are taking drugs known to cause photosensitivity reactions.
- Do not disassemble the device without permission.
- Do not repair this device by yourself, it should only be done by qualified personnel appointed by the manufacturer.
- Do not use this device in strong electromagnetic interference environment.
- To avoid water exposure, the Waterproof class of the Silicone Light Therapy Device is IP22.
Do not use the device in wet surroundings (e.g. in the bathroom or near a shower or swimming pool). Keep it away from water or any moisture sources to prevent damage to the device or potential electrical hazards. Do not let water run into the appliance.
- **WARNING:** This equipment is not intended for use by children. Children should be supervised to ensure that they do not play with the equipment to avoid the risk of fire and burns.
- Do not attempt to turn on the Silicone Light Therapy Device while it is charging. This action may lead to the device failing to power on or experiencing operational issues. Once the device is fully charged, disconnect it from the charging cable before attempting to use it.
- Do not drop this device from a high place.

- Do not repair this device by yourself, it should only be done by qualified personnel appointed by the manufacturer.
- Unauthorized modifications to this equipment are not permitted and any not meet safety requirements.
- WARNING: Do not leave the equipment unattended when it is switched on the avoid the risk of fire or burns.
- WARNING: This equipment is not intended for use by person with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning sue of the equipment to avoid the risk of fire or burns.
- Due to the long cable of the Type-C cable and USB-Charging cable, strangulation may occur, so keep the device out of the reach of children.
- CAUTION:Do not subject the equipment to heavy shocks to avoid risk of damage to the lamp.
- When not in use, store the device in box or carry bag, and do not expose the device to the lint, dust or direct sunlight to avoid the device damage.

1.3 **Pre-cautions**

- In case of people who have serious diseases or who are under treatment, please consult your doctor before use.
- Regardless of product use, the condition of your skin may change temporarily due to the change of season and external elements. In addition, internal factors such as drinking or stress can change the condition of skin. If the condition of skin changes, discontinue use. We recommend using the device after the skin condition returns to a normal state or after consulting your doctor.
- Consult your doctor or dermatologist before using this device over any suspicious or cancerous lesion.
- Skin Sensitivity: Prior to using the Silicone Light Therapy Device, perform a patch test on a small area of your skin to check for any adverse reactions or sensitivity. Discontinue use if you experience any discomfort, irritation, or allergic reactions.
- Eye Protection: To protect your eyes from the Silicone Light Therapy Device, always keep your eyes closed or wear the silicone eye cover while using the device. Direct exposure of the eyes to the LED light can cause discomfort or potential eye damage.
- Clean and Dry Skin: Ensure your face is clean and dry before using the Silicone Light Therapy Device. Remove any makeup, creams, or lotions that may interfere with the device's effectiveness or cause skin irritation.
- Time and Frequency: Follow the recommended usage guidelines provided in the user manual. Use the Silicone Light Therapy Device for the recommended duration and frequency to avoid overuse and potential adverse effects on the skin.
- Not Suitable for Certain Conditions: the Silicone Light Therapy Device may not be suitable for individuals with certain medical conditions or skin

conditions. Consult with a healthcare professional or dermatologist if you have any concerns or specific medical conditions before using the device.

- **Storage and Maintenance:** Store the Silicone Light Therapy Device in a cool, dry place when not in use. Avoid storing it in extreme temperatures or humid environments. Follow the cleaning and maintenance instructions provided in the user manual to ensure the device's longevity and proper functionality.
- Once the Silicone Light Therapy Device session is complete, you may choose to follow up with your regular skincare routine, such as applying a moisturizer or serum, to further nourish and hydrate your skin. Silicone Light Therapy Device can enhance the absorption of skincare products, making it an ideal time to apply your favorite treatments.
- **Consult a Professional:** If you have any doubts, concerns, or experience any adverse effects while using the Silicone Light Therapy Device, consult a healthcare professional, dermatologist, or contact our customer support for assistance. Assistance in setting up, using, or maintaining the device when needed or to report unexpected operation or events.
- The Silicone Light Therapy Device is designed for personal use and should not replace professional medical or dermatological advice. It is always recommended to consult with a healthcare professional before starting any new skincare regimen or treatment.
- Manufacture will provide circuit diagrams, component part lists, descriptions, calibration instructions to assist to service personnel in parts repair.
- When the device is removed from minimum or maximum storage environment, please waiting at least 2 hour before use.
- The maximum temperature of the light emission surface is 42°C, which will not burn the skin when it reaches maximum contact time (10 min).
- Please use with caution for the following individuals and consult a professional doctor before use.
 - Fever or abnormal body temperature.
 - Patients with high blood pressure and blood disorders.
 - Patients with dermatosis and atopic dermatitis.
 - People who are receiving outpatient treatment .
- Please do not use the following situations and parts. Otherwise, it is easy to cause accidents or even skin and body problems.
 - eyeball.
 - Upper eyelid (eye socket).
 - Head.
 - Pathological pigment site.
 - Viral warts.
 - Fracture site.
- Areas that are still recovering from cosmetic surgery, consult a medical professional first.

1.4 **EMC Statements**

- Silicone Light Therapy Device conforms to EMC requirements, and it meets the requirements of IEC60601-1-2, no deviation from the collateral standard and allowances used. User shall install and use in accordance with EMC information described in attached materials.
- The portable and mobile RF communication equipment may affect the performance of the device, so please avoid strong electromagnetic interference when using, such as do not use it near phone, microwave and so on.
- Manual and manufacturer's statement details are in the end of the article (Annex I).
- ⚠ Warnings:
 - Don't near active HF surgical equipment and the RF shielded room of an ME system for magnetic resonance imaging, where the intensity of EM disturbances is high
 - Use of accessories, transducers and cables other than those specified or provided by the manufacturer of Silicone Light Therapy Device could result in increased electromagnetic emissions or decreased electromagnetic immunity of this equipment and result in improper operation.
 - Use of Silicone Light Therapy Device adjacent to or stacked with other equipment should be avoided because it could result in improper operation. If such use is necessary, this equipment and the other equipment should be observed to verify that they are operating normally.
- Warning Statement
 - This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2)
 - this device must accept any interference received, including interference that may cause undesired operation.
 - Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
 - Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
 - This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
 - Reorient or relocate the receiving antenna.
 - Increase the separation between the equipment and receiver.
 - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
 - Consult the dealer or an experienced radio/TV technician for help.

1.5 Symbols Explanation

Information essential for proper use shall be indicated by using the corresponding symbols. The following symbols may be seen on the device and its labellings.

<u>Graphic Symbol</u>	<u>Meaning</u>
	Serial number
	Direct current
	Manufacturer
	Date of manufacture
	Type BF applied part
	Cautions
	"WEEE (Waste Electrical and Electronic Equipment)". The waste products should be handled legally.
	Referring to accompanying documents
	Stand-by
IP22	N1= 2 Protected against solid foreign objects of 12,5 mm $\varnothing$ and greater N2= 2 Protection against vertically falling water drops when enclosure tilted up to 15°
	Keep dry
	Temperature limit
	Keep away from sunlight
	Medical Device

2. Product Information

Product name: Silicone Light Therapy Device

Applicable model(s): G240

Applicable Conditions

- Intended use:
Silicone Light Therapy Device is an over the counter device that is intended to use LED light for the treatment of wrinkles and mild to moderate acne.
LED Device incorporates science-backed LED wave-lengths, red[630nm], yellow [590nm], near infrared[850nm] and blue light [415nm], designed to optimize the beneficial effects of photo-biostimulation for skin rejuvenation.
Regular use can help to reduce fine lines and wrinkles, improve skin tone and texture and optimize skin health.
- Suitable for the place: Indoor
- Suitable for the crowds: Adult
- Suitable for the skin type: All skin types, especially for the individual with mild to moderate acne, or with wrinkles, but not for photosensitive skin. And if you are acne skin, it is recommended that you follow the chart^[1] below to determine if the Silicone Light Therapy Device is right for you:
- Suitable for the body parts: Face

2.1 Package List

Please check to make sure all accessories are included, if any accessories are missing or damaged please contact SUNGROW for replacements.

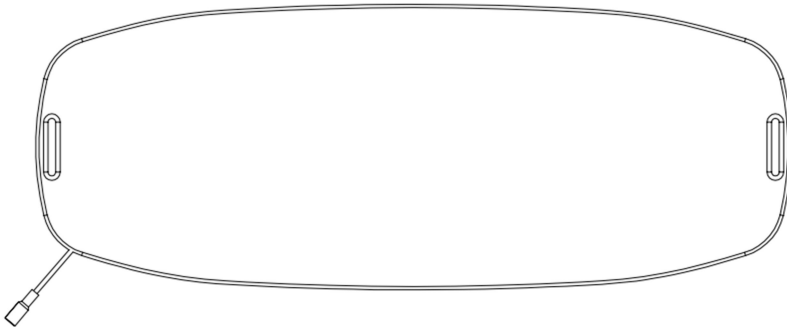
No.	Item	Quantity	picture
1.	Silicone Light Therapy Device	1	
2.	Controller	1	
3.	Straps	1	
4.	Headrest	1	
5.	Holder	1 pair	
6.	Goggles	1	
7.	User Manual	1	
8.	Adapter 12V5A+AC cable	1	
9.	USB charging cable		
10.	Spanner and Screws		

2.2 Product Structure Diagram

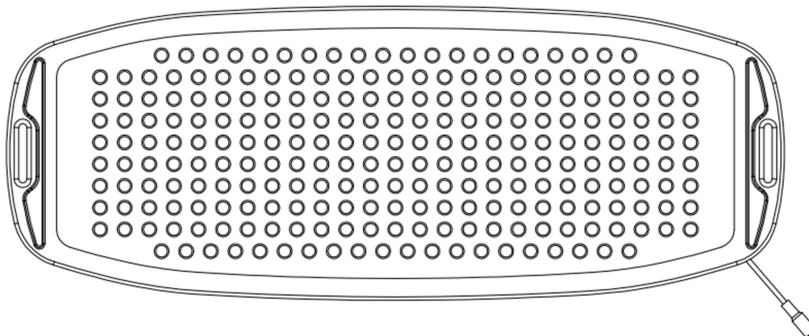
The Silicone Light Therapy Device consists of Device body unit, Controller, Straps, Headrest, Holder, Goggles, User Manual, Adaptor, USB charging cable, Spanner and Screws

Device body unit:

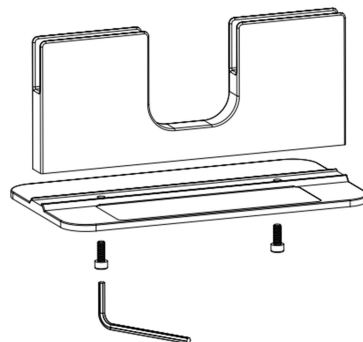
Front:

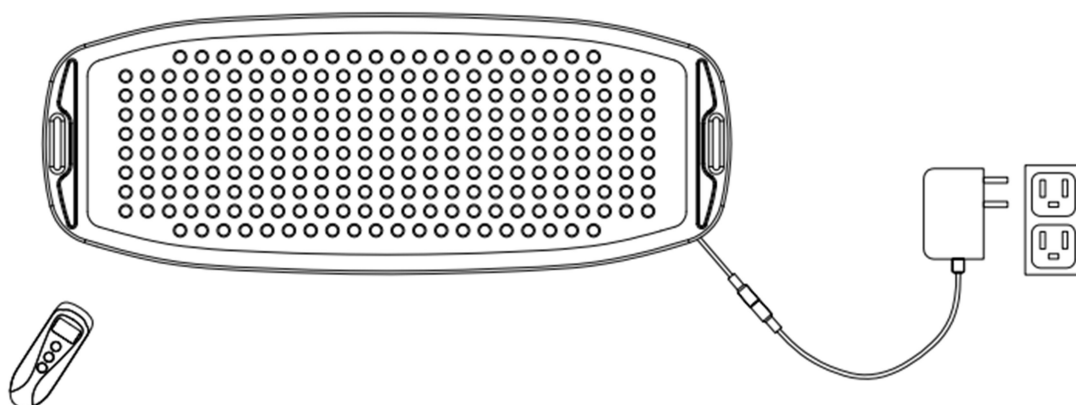


Rear:



Base bracket assembly method

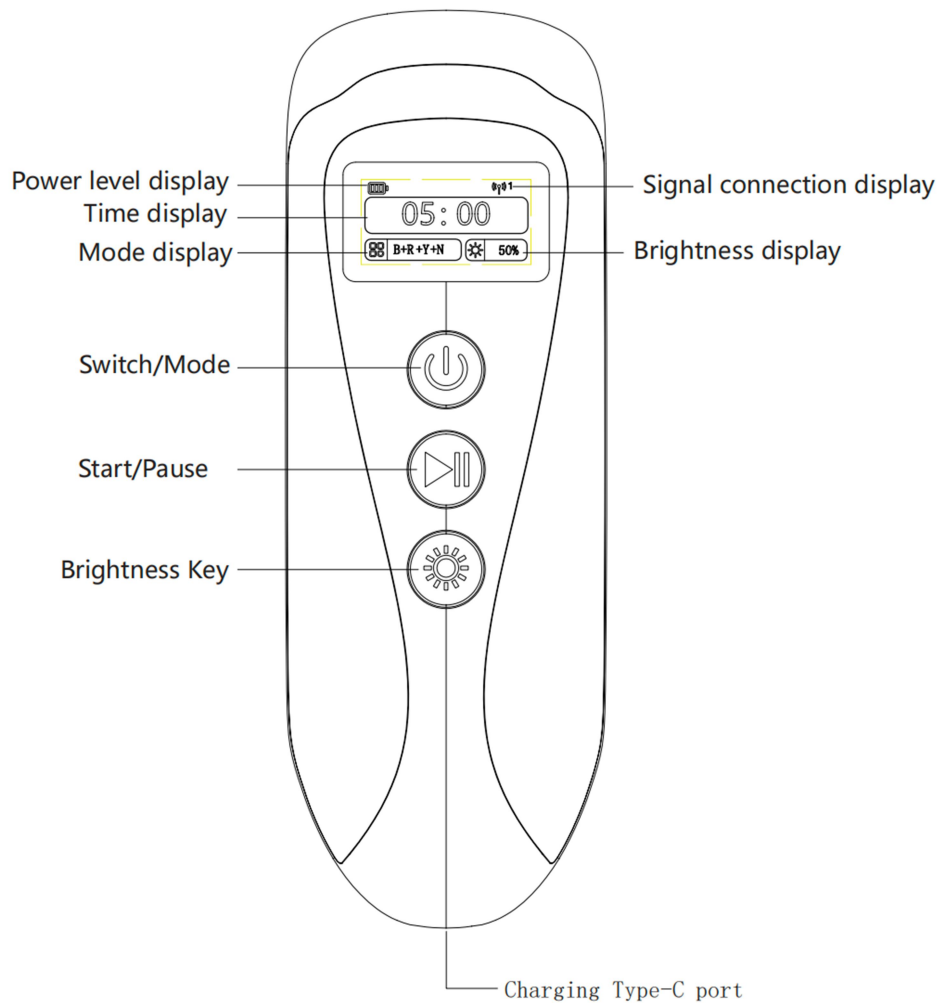




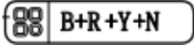
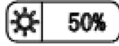
First pairing instructions: First, turn on the controller, then plug the silicone skin tightening device into the 12V5A adapter. Within 10 seconds after the silicone skin tightening device is powered on, long press the brightness key of the controller. If the display shows "1", it indicates that the pairing is successful. If the pairing is not successful within 10 seconds after the silicone skin tightening device is powered on, unplug the adapter and re-pair the device.

Device composition	Function
LED Beads	LED (415 nm、 590 nm、 630 nm、 850 nm) for wavelength irradiation Main function of LED lights of different color is: - R+NIR 630nm+850nm. It is intended to treatment of full-face wrinkles. - Y+NIR 590nm+850nm. It is intended to treatment of full-face wrinkles. - B+NIR 415nm+850nm. Those light delivered by the device has a phototoxic effect on the acne-causing bacteria, causing it to self-destruct, breaking the acne cycle. It is intended to treatment of mild to moderate inflammatory acne. - B+Y and R+NIR 415nm+590nm and 630nm+850nm. It is intended to automatically cycle through all wavelengths.
Silicone eye cover	In order to wrap the eyes, to achieve the effect of shading.
Type-C cable	To make a connection between the Device and controller.
Right strap hole	Used to install the strap .
Left strap hole	Used to install the strap .

Controller: All models in this application are equipped with the same specification of the remote control, as shown in the diagram below.



Controller Usage Instruction	
1 TYPE-C port	charging, compatible with most adapters on the market
Switch /Mode key	long press for 3 seconds, power on/off
4 modes	R+NIR 630nm+850nm Y+NIR 590nm+850nm B+NIR 415nm+850nm B+Y and R+NIR 415nm+590nm and 630nm+850nm, 5 minutes each
Three levels of brightness adjustment	50%-75%-100%
Start/Pause	To start/pause the modes
Long press the brightness adjustment key, controller and product G240 pairing The successful pairing signal indicates "1"	

Controller composition	Function
OLED Screen	It is used to display the parameter of the device. Include the following information: : Battery level symbol. When  turns into  and flashes, it means that the controller needs to be charged. : LED light output color mode symbol. It will show the color of the light. There are four modes: Mode 1: R+NIR, Mode 2: Y+NIR, Mode 3: B+NIR, Mode 4: B+Y + R+N .The default mode is Red+NIR. : Three levels of brightness: 50%, 70% , 100  2.4G Pairing signal. When pairing is successful, display "1". : The duration of a single treatment session, there The default time is 10:00.
Controller Button Operation Instructions	Power button: Press and hold the button for 3 seconds to turn on the controller. Press briefly to select the mode. After selecting the mode, press the start/pause button. A message "Please wear protective goggles" will appear for 7 seconds, after which the selected mode will automatically be activated. Brightness key: The default brightness is 50%. Press once for 75%, press again for 100%. Press the brightness key for 10 seconds continuously to pair with the silicone skin tightening device. Once the pairing is successful, the signal "1" will be displayed.
USB-C port (input and output)	It is used to make a connection between the controller and Device, or the AC adapter to charge.
Note: Each time a button operation is performed, the controller will give out a once 'Di' sound.	

Goggles: In order to wrap the eyes, to achieve the effect of shading.



Straps: Secure silicone skin tightening device



USB-C cable: Used to connect the AC adapter to the controller for charging.



The power adapters



Spanner and Screws



2.3 Product Technical Specifications

Product Name	Silicone Light Therapy Device
Model(s)	G240
Dimension of the Device body	Approx. 680*257*8.5mm
Dimension of the controller	Approx. 115*40*19mm
Technology Used	Light Emitting Diodes (LEDs)
LEDs wavelength	415 nm, 590 nm, 630 nm, 850 nm
LED power level	There are four modes: Mode 1: 630nm+850nm: 21mW/cm ² Mode 2: 590nm+850nm: 15mW/cm ² Mode 3: 415nm+850nm: 33mW/cm ² Mode 4: 415nm+630nm & 590nm+850nm (autimatically cycle): 33mW/cm ² +15mW/cm ²
Timer range	10 minutes each session
Treatment Area	Full body
Power source	DC 3.7V 1000 mAh Li-ion Battery The power adapters Input: AC 100-240V 50-60Hz 1.5A Output: DC 12V 5A
Service life	2 years

2.4 Product Usage Specifications

Operation Conditions:

- Temperature: 5°C~35°C
- Humidity: 10%~85%RH (non-condensing)
- Atmospheric pressure: 70kPa~106kPa

Storage and Transport Conditions:

- Temperature: -20°C~+55°C
- Humidity: ≤85%RH
- Atmospheric pressure: 70kPa~106kPa

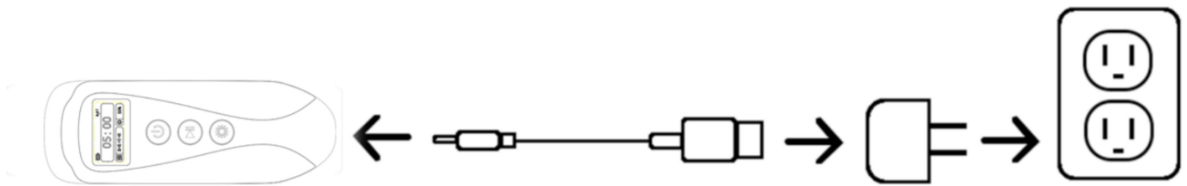
3. How To Use

3.1 Preparation before use

1) Charging:

Insert the USB-C cable into the controller. The charging port which can be found in the top of the controller is tight to ensure it is waterproof, therefore it may require a stronger push than anticipated.

Plug the opposite end of the USB-C cable into your outlet adapter computer, or any other USB charging port available as shown in the figure.



Note: Charging time

When charging, the Batter level symbol () will flash. When the symbol changes from  to  and does not flash, it means the controller is fully charge. It takes 0.8-1.5 hours to fully charge.

The battery service life of the Silicone Light Therapy Device is dependent on frequency and duration of use. If you use the Silicone Light Therapy Device every day , we suggest charging every 1-2 weeks.

The Silicone Light Therapy Device do not include the power adapters. Please use an IEC 606061-1 compliant power adapter with AC 100-240V 50-60Hz 0.4A input, DC 5V 2.5A output.

Caution: Do not use the device while charging.

3.2 Light Sensitivity Test

- 1) Place the device on the arm and preliminary test for a total time of about 10minutes.
- 2) The treatment will not create any sensation on your skin. If you do not feel comfortable, or if you see adverse effects such as severe redness, please stop the test immediately.
- 3) Wait 48 hours and examine the tested area.
- 4) If the skin in the tested area seems normal (no adverse effects) you can proceed with a full treatment in the highest comfortable energy level you tested.

3.3 Operation Procedure

- 1) Cleanse and exfoliate skin to remove any traces of skincare (Please do not use the any skin care product when you treating for your face).
- 2) Fix the silicone skin tightening device on the already installed support, secure it with straps, place a pillow there, and prepare the eye mask.
- 3) Plug in the silicone dermabrasion device, which is compatible with IEC

606061-1. Input 100-240V, 50-60Hz, 1.5A. Output: DC 12V, 5A. Connect the adapter. Turn on the controller, select the mode and brightness, then press the start button. Put on the eye mask and wait for 7 seconds. It will automatically enter the selected mode.

4) During the treatment, short press the mode selection button to set the LED light color according your skin problem.

5) Short press the brightness button to set the selected brightness.

6) Short press the start/pause button to pause the time.

7) At the end of each treatment session, the light source of the device will automatic turn itself off and give out a once “DI” sound again, and then turn the device and unplug from the controller.

8) After each use of the silicone skin tightening device, remove the adapter and store it in the box.

Note: After use, the skin may appear red, which is a normal reaction of the skin, and will return to normal with 2-4 hours. If you feel burning or any discomfort during the process, please stop using it immediately.

3.4 Treatment Duration

It is recommended to use it for 10 minutes a day, 3 times per week.

Note: Maintenance treatment should be carried out as required, according to lifestyle and skin condition. Response to the Silicone Light Therapy Device treatment differs between individuals and depends on environmental and biological factors, heredity and aging.

4. Aftercare

4.1 Cleaning And Storage

4.1.1 Cleaning

- Keeping the exterior surface clean
Do not use volatile liquids such as insecticide sprays near the product.
Wiping with strong pressure may damage the surface.
Do not leave rubber or plastic products in contact with the unit for a long period of time.
- Cleaning the unit
To clean the unit, use a soft, dry cloth. If the surfaces are extremely dirty, use a soft cloth lightly moistened with water or a mild detergent solution. Do not use strong solvents such as alcohol, benzine, or thinner, as these might damage the surface of the unit.

4.1.2 Storage

- To avoid breakage or missing device and its accessories, please store the Silicone Light Therapy Device and its accessories in the gift box after each use. If it is necessary to carry the product, please repack it in the packing box at the time of purchase.
- Clean the device before you store it and store it in a safe and protective place. Otherwise it may affect the product function.
- Please keep it in the packing box.

- Please store the device in a well-ventilated clean room with no corrosive gas, avoid direct sunlight and high temperature.

4.2 Frequently Asked Questions

- 1) How many times will the device?
Your Device is built to last if you follow the usage and care instructions. Do not use your Device for more than 10 minutes per session and always wait at least 8 hours between treatments.
- 2) Is the Silicone Light Therapy Device safe?
Yes. It is safe and completely non-invasive. It has been used for years in numerous medical treatments, medical spas, and by estheticians and dermatologists around the world.
- 3) Does the Silicone Light Therapy Device cause any pain?
No, LED treatments are not painful and the light does not cause any pain at all. LED light has a soothing and calming effect.
- 4) Can I share my Silicone Light Therapy Device
Yes, you can share your Silicone Light Therapy Device with friends and families, providing you clean it after each use.

5. Disposal



DO NOT throw away the Silicone Light Therapy Device with normal household waste at the end of its life, but hand it in to an official collection point for recycling (Contact your local town or city officials for recycling information). By doing this, you help to preserve the environment.

6. Warranty Contents

6.1 Warranty

The warranty period of the Silicone Light Therapy Device is 2 year from the date of purchase. Please contact local agency or after-sale service personnel if there is any problem during the period of warranty, repair according to relevant warranty clause

If any operator requests more information such as circuit diagrams, parts list and product descriptions, for repairs carried out by qualified technical personnel, please contact us.