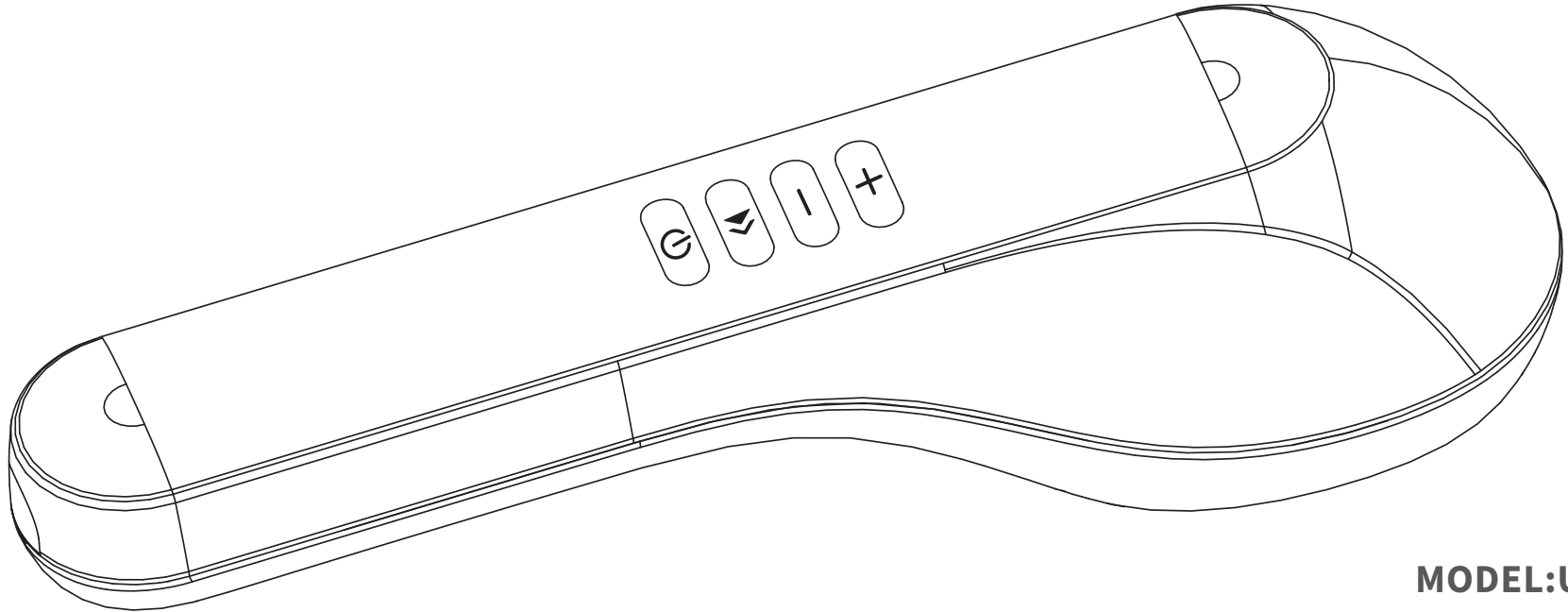


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UVB LIGHT THERAPY DEVICE

User Manual



MODEL:UL-01

Before administering phototherapy,
read all sections of this manual carefully.

Thank you for purchasing our products. Before using the UVB light therapy device, please make sure you read the user manual in detail, and follow the contents and steps in the manual, and operate carefully under the guidance of a doctor.

Scope of application: Under the guidance of doctors, it can be used by patients as an auxiliary treatment for leukoplakia and psoriasis skin diseases.

Product application place: The UVB light therapy device is suitable for hospitals, clinics, and households.

Precautions :

1. Patients must wear professional goggles when irradiation is performed. Male patients should protect their genital area from light exposure.
2. Before treating psoriasis, the scales on the skin should be removed as much as possible, otherwise it will be difficult for the light to penetrate the scales on the skin and affect the efficacy of the treatment.
3. Hold the handle of the irradiator during the treatment and place the irradiator window as close to the affected skin as possible.
4. During the treatment, if any accidents occur, the irradiation should be stopped immediately.
5. Some medications or cosmetics can enhance the effect of ultraviolet radiation, and Phototoxicity/photoallergy may occur.
6. If the patient is receiving medication, please consult with a doctor whether the medication used will increase the skin's sensitivity to ultraviolet radiation.

Risk and side effects:

1. Short term side effects
 - 1) The patient's skin may suffer from Phototoxicity/photoallergy due to receiving excessive radiation or being highly sensitive to ultraviolet rays.
 - 2) Looking directly at the irradiated light source without professional goggles can lead to conjunctivitis and keratitis.

2. Long-term side effects

- 1) Prolonged exposure time and high cumulative doses may lead to skin photoaging and increase the risk of skin tumors. If patients receive high cumulative doses of UV radiation, regular skin examinations should be performed.
- 2) If eyes are exposed to ultraviolet radiation for a long time (without wearing professional goggles during treatment), it can lead to irreversible cataracts.

Dose measurement control:

1. The therapeutic dose depends on factors such as the patient's skin type, the disease suffered, and the current and previous treatment received;
2. The initial dose is determined by the doctor according to the patient's skin type or minimum erythema dose (MED);
3. The treatment plan is developed by the doctor, who is required to regularly track and follow up the patient's treatment and make adjustments to the plan at any time according to the specific situation.

Working environment and cleaning maintenance

- The UVB light therapy device should be placed in a dry room for use, avoiding direct sunlight.
- For the treatment, the working environment of the phototherapy instrument is required as follows:
 - Temperature : 10 °C ~ 30 °C
 - Relative humidity : 30% ~ 75%
 - Atmospheric pressure : 700hPa ~ 1060hPa
- Too high or too low working environment may cause the light therapy instrument to work abnormally and affect the treatment effect.
- Humidity and dust will affect the therapeutic effect of the device. Please use anti-static cleaner to clean the irradiated surface, once a week. If not used for a long time, please wipe the surface of the light therapy instrument and put it into the box. Store it in a well-ventilated room with temperature of -40°C~55°C, relative humidity not more than 95%, no condensed water, no corrosive gas.

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PREPARATION BEFORE OPERATION

I.Check The Device







Please open the package and check whether the light therapy device is in good condition.If there is damage to the parts, please do not use them. Please immediately contact us by email.

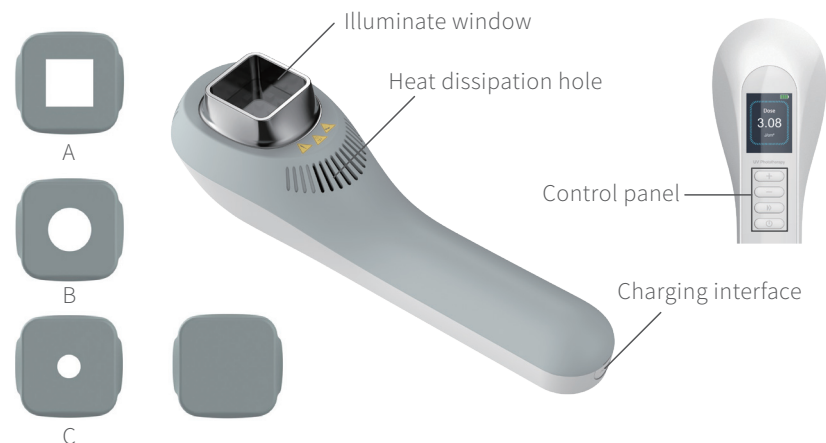
II.Charging

When the light therapy device is in use, it is found that the battery level indicator light is displayed as a "space" or the device cannot be turned on after being left unused for a long time, indicating that the device's battery level is low. Please charge it in a timely manner.

1. Insert the DC plug of the power adapter into the charging jack at the end of the light therapy instrument;
2. Insert the AC plug of the power adapter into the power socket;
3. The device enters the charging state, and the display screen automatically jumps the charging page. The number of battery cells on the charging page increases sequentially from bottom to top;
- 4.After the battery compartment changes to "full grid" and no longer flashes, it indicates that the device has finished charging.



	Please charge before the first use.
	Please pay attention to the input voltage range of the power adapter.
	Please use the power adapter that comes with the light therapy device and meets the certification.
	If the device is not used for more than three months, please charge it for 1 hour.(Maintenance of lithium-ion batteries)
	The power plug should be kept in firm contact with the socket, do not pull the plug by pulling the power cord.Do not let the device body press the power cord or step on the power cord artificially.
	The light therapy instrument is not recommended to be used in the charging state.



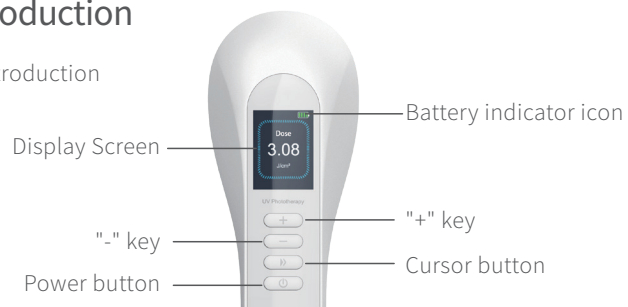
2.Main Technical Parameters

AC voltage (VAC):	110 ~ 240V
Power frequency (Hz):	50
Input current (A):	≤0.5
Dimension L × W × H (mm):	252×78×80mm
Weight (kg):	400g
Peak value wavelength (NM):	308
Floor area (long mm × width mm):	35×35
Illumination area of lampshade A:	Size: 20*20mm
Illumination area of lampshade B:	Size: Diameter φ18mm
Illumination area of lampshade C:	Size: Diameter φ10mm
Dosage (J/cm ²):	0.01 ~ 5.00

CONTROLLER SETTINGS AND OPERATION

I.Product Introduction

1. Panel and Key Introduction



3.The Method of Application

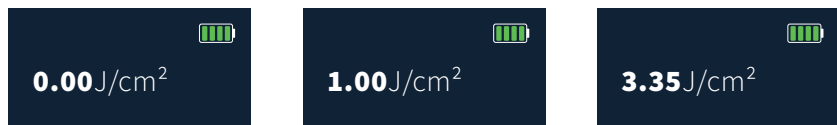
After setting the dose to be treated on the controller, place the radiation surface of the phototherapy instrument close to the affected area, short press the "⏻" button, the light source is lit to start, and the dose value starts to count negatively. When the dose returns to zero, the treatment ends and the light source is turned off.

II.Controller Settings and Operations

1. Power on: Long press the "⏻" to turn on or off.
2. Setting the irradiation dose: When the numbers are flashing, use the "⏪" to move the cursor position, and use the "+" and "-" buttons to increase or decrease the dose according to the corresponding standard.

[The maximum dose is 5.00J/cm²]

	Please set the dispute dose required for each phototherapy specified by the doctor.
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- 1)First press the "⏻" key, the instrument will be turned on and the the number on the dose bit will flash
- 2) Press "+" "-" key to set/modify the value of the digit.Each time you press increases the value of the selected digit by 1
- 3) Press the "⏪" key, the digit moves from left to right by one. Complete setting/-modifying the decimal value.
- 4) Press the "⏩" key again, the digit moves from left to right by one. Complete the setting/modification of the percentile value.
- 5) After setting all the digit values, press the "⏻" key to start the operation. The digits will stop flashing. The dose number will start counting down. If you need to pause, press the "⏻"key"⏪" key again to enter the settings mode.

3.Power Calibration: When the cursor is flashing, long press the "⏩" key and release it after hearing a "beep" sound. This enters the power calibration interface, which displays a password prompt. Use the "⏩" key to move the cursor position, and use the "+" and "-" buttons to set the number for the cursor position. The password is 123456. After entering the password, long press the "⏩"key and release it after hearing a "beep" to enter the power calibration interface.

4. Charging: Plug in the charger, light therapy instrument out of the running interface, enter the charging interface, the fan and UV light off, until fully charged.

TREATMENT

I.Preparation Before Irradiation

1. Identify the treatment area and thoroughly cleanse the cosmetic on the surface of the skin.
2. Please wear professional protective goggles during the use.
3. Apply topical medication as directed by the doctor.
4. Determine the treatment dosage.

	Please use this device under the guidance of a doctor.
	Before starting the treatment, please consult with your doctor regarding the schedule of radiation therapy and the initial and incremental values of radiation dosage.

II.Setting The Irradiation Dose

Refer to the content on "Setting the Irradiation Dose" in the "Controller Settings and Operations" section.

III.Start Irradiation

Place the irradiation window near the affected skin area and activate the light source to begin treatment.

IV.Pause/Continue

During the irradiation process, you can choose to pause the treatment and continue irradiation again.

V.End of Treatment

Please switching off after treatment

If you need to leave the unit for a long period of time during the treatment, please switch off the power.







If the unit is left unattended in standby mode, it will automatically switch off after 60 seconds.

VI.Record Data

Please refer to the "Treatment Record Form" to record detailed data for each treatment. Users can make copies of the "Treatment Record Form" for their own use.

VII.Equipment Cleaning

1. Regularly clean the cooling vents of the phototherapy device.
2. If the host is dirty, wipe it with a dry soft cloth.
3. For stains that cannot be removed with a dry cloth, use a cloth with a small amount of water or neutral detergent to clean the equipment.

	Please turn off the power before cleaning the equipment.
	The liquid infiltration is strictly prohibited.
	The liquid infiltration is strictly prohibited.
	Do not wipe the irradiated window and optical lens with objects that have alcohol, water or other liquids!
	Do not wipe the irradiated window and optical lens with objects that have alcohol, water or other liquids!
	The machine can not work in flammable and explosive anesthetic gas environment!



AFTER -SALES SERVICE STATEMENT

The device has undergone rigorous quality testing before leaving the factory. If you encounter any abnormalities in the operation or use of the phototherapy device, please contact our company promptly.

Email: laselocks@gmail.com.

Appendix I

I.Recommendations for Use

Treatment recommendations (for reference only):

1. Individualized treatment plans.
2. Initial dosage should be determined based on skin type or minimum erythema, typically ranging from 50% to 75% of the minimum erythema. For patients who have not undergone the minimum erythema dose test, it is recommended to start with a dosage of 0.1 J/cm².
3. The frequency of irradiation should be determined based on the condition of the patient and is recommended to be every other day.
4. In general, treatment can be terminated after the regression of skin lesions.
5. In rare cases, after the regression of skin lesions, maintenance treatment may be required once or twice a week to maintain skin condition.
6. Treatment can be resumed if necessary.

II.Recommendations for the selection of phototherapy devices (for reference only)

The dosage range and irradiation area of the phototherapy devices can be found in the "Main Technical Parameters" section. The irradiation area only affects the actual irradiated area for a single treatment. It is recommended that patients choose a suitable model based on the size of their own skin lesions.

III.Contraindications

1) Absolute contraindications

- ① Patients with photosensitive dermatoses
- ② Patients with dermatomyositis
- ③ Patients with Bloom syndrome
- ④ Patients with malignant tumors
- ⑤ Patients with systemic lupus erythematosus
- ⑥ Patients with solar urticaria
- ⑦ Pregnant women
- ⑧ Other patients who are not suitable for UV irradiation therapy

2) Relative contraindications

Treatment can be performed, but the doctor must closely monitor the patient during the treatment.

- ① Patients with porphyria
- ② Patients with cataracts
- ③ Patients with pemphigus
- ④ Patients with a family history of melanoma
- ⑤ Patients with a history of radiation therapy or arsenic treatment



