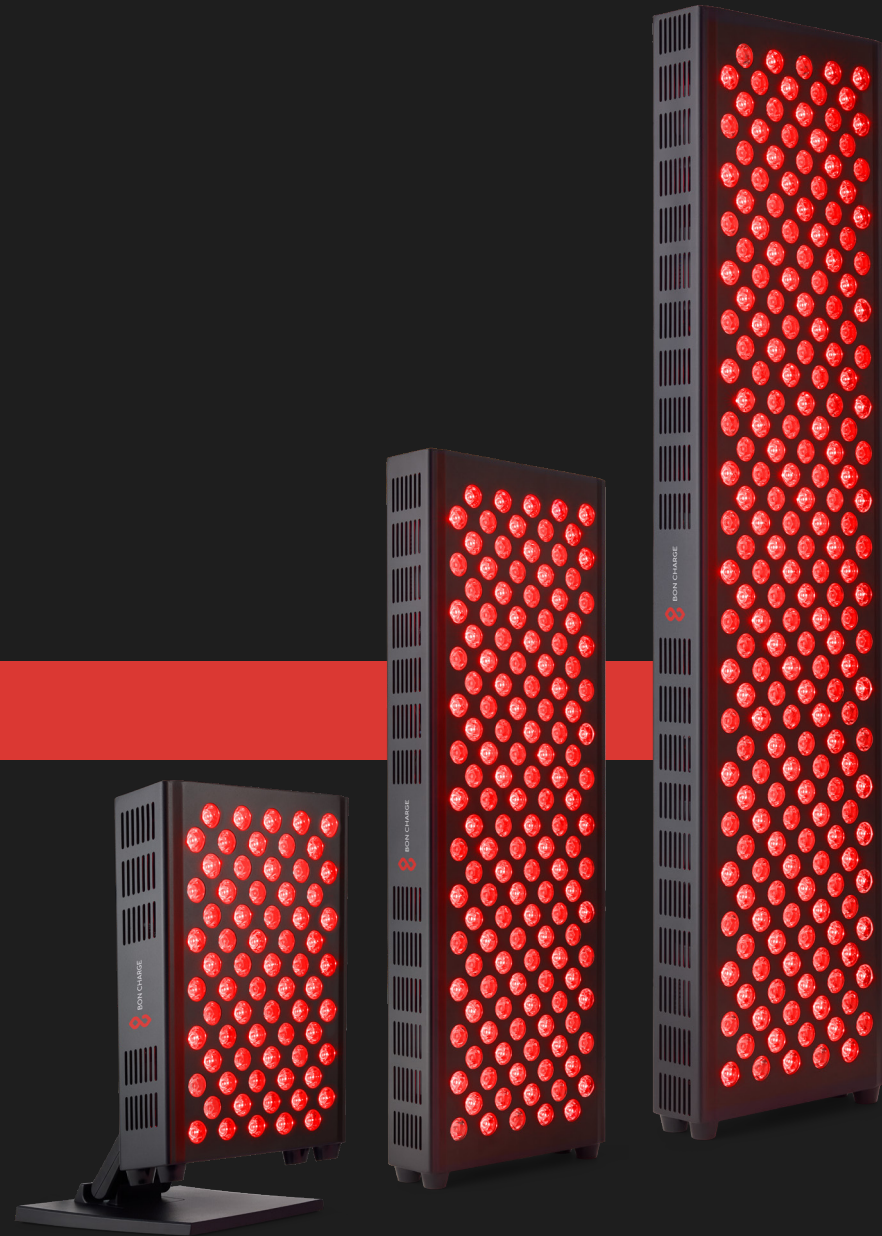


# RED LIGHT THERAPY DEVICES

USER MANUAL



## 1. RECOMMENDATIONS FOR USE

- 1.1 Warnings
- 1.2 Contraindications
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## 1. RECOMMENDATIONS FOR USE

Please read the complete instruction manual before you use the Red Light Therapy Device (Model: Demi, Max and Super Max). It will give you a better understanding of how the product works, and you'll be able to enjoy the best results.

### 1.1 WARNINGS

- 1) Do not look directly at the light-emitting side of the device's LED light.
- 2) If the device overheats, turn it off immediately.
- 3) Only authorized personnel may service this equipment from our manufacturer, contact BON CHARGE for servicing or repairing.
- 4) Do not attempt to disassemble the device as this may cause damage to the device.
- 5) Use of accessories other than those specified or provided by the manufacturer of this equipment could result in increased electromagnetic emissions or decreased electromagnetic immunity.
- 6) If there is sunburn on your body in the past 2 weeks, it is recommended not to use this product.
- 7) This device is an electrical device. To avoid electric shock, adhere to the following:
  - Do not drop your device in water or liquids because you may get an electric shock.
  - Do not wash electrical parts with water or liquids.
  - Do not directly touch the device or touch the plugs or switches with wet hands.
  - Do not pull, carry, or lift the device by its cord. If the cord is damaged, do not use the device because you could get an electric shock.
  - Do not use the device if it has been dropped, left outside, or has encountered water or liquids.
- 8) Do not use on or near heated surfaces.
- 9) Do not operate this device in areas where it could be exposed to flammable or combustible products, or where vapours may be present. Explosion of fire may occur.
- 10) Do not use the device if you have open wounds on the body.
- 11) Before using the device or system, keep an appropriate distance from radio frequency (RF) sources whenever possible.

The sources include but not limit to:

- Radio and TV stations
- Portable and mobile RF communication devices (cell phones, two-way radios, base station, etc.)
- High-frequency surgical units, such as diathermy, electrocautery, argon beam coagulators, etc.
- X-ray, CT, or MRI devices
- These devices are also possible sources of interference as they may emit higher levels of electromagnetic radiation.

12) Be Cautious of EQUIPMENT MALFUNCTION OR INTERFERENCE.

13) Use of this equipment 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.

14) Portable RF communications equipment (including peripherals such as antenna cables and external antennas) should be used no closer than 30 cm (12 inches) to any part of the Red Light Therapy Device, including cables specified by the manufacturer.

Degradation of the performance of this equipment could result.

15) Magnetic and electric fields may interfere with the performance of the device or system. Make sure that all peripheral components operated in the vicinity of the device comply with the relevant EMC requirements. X-ray equipment, MRI devices, radio systems (cellular phones) and so forth, are possible sources of interference because they may emit higher levels of electromagnetic radiation. Verify the performance of the system before use.

## 1.2 CONTRAINDICATIONS

- Do not use the device if you have the Fitzpatrick Skin in Type V and Type VI.
- Do not use this device if you are photosensitive.
- Do not use the device if you are pregnant, breastfeeding, or preparing to become pregnant.
- Do not use the device if you are taking photosensitive drugs.
- Do not use the device if you have a medical history of seizures that are triggered by light.
- This device is not to be used by disabled, sleeping, or unconscious persons.

### 1.3 ADVERSE REACTIONS

- This product has no side effects, but if you are sensitive to light, please stop immediately.
- If you experience any discomfort, skin discoloration, skin damage, or any other concerns develop, stop use immediately and consult your physician.

### 1.4 PRECAUTIONS

- 1) If using the device causes any discomfort, discontinue use immediately.
- 2) If you suspect that you have had a negative reaction from using the device, consult your doctor immediately.
- 3) Do not scratch or damage the device.
- 4) Use indoors only.
- 5) Unplug from outlet when not in use to avoid tripping hazards.
- 6) Do not unplug by pulling directly onto the cord. Grasp the plug itself, when unplugging from the outlet.
- 7) Do not store the device in the sun or on a hot surface. High temperatures may be damaging. The device should be operated, transported and stored in the manner specified in this manual. Failure to use and maintain the device in according with the instructions outlined in this manual will void the warranty.
- 8) Caution! Stangulation may occur due to cables; keep away from children.

### 1.5 INTENDED USER

Adult (18 years and above) with no contraindications.

### 1.6 INTENDED USE

Whole body



## 2. INTENDED USE & INDICATIONS FOR USE

The Red Light Therapy Device is intended to provide Red and Infrared Light to relieve pain in the body of adults. Red Light is used to relieve skin surface pain; Infrared Light is used to relieve muscle pain; Red + Infrared Light is used to relieve both skin surface pain and muscle pain.

## 3. PRODUCT DESCRIPTION

The Red Light Therapy Device is a home light-emitting diode phototherapy device whose purpose is to relieve pain.

The device is designed in a panel composed of 660nm LEDs and 850nm LEDs. The device is controlled by the button on the back and side of the device. All models are mainly different in the number of LEDs and appearance. The device will turn off automatically after finishing the treatment.

### 3.1 SPECIFICATION

# DEMI RED LIGHT THERAPY DEVICE

#### MODEL:

- Demi (TL 100 Pro)

#### SIZE:

- 320 x 220 x 65mm

#### IRRADIANCE

- >130mw/cm2

#### LED COUNT:

- 70 (35 NIR and 35 Red)

#### VISIBLE RED WAVELENGTH:

- 660nm

#### VISIBLE NIR WAVELENGTH:

- 850nm

#### POWER SUPPLY:

- Input: AC100-240V, 50/60Hz
- Output: DC 24V, DC 2.5A

#### FLICKER:

- Zero

#### WEIGHT:

- 5.3kg

#### BEAM ANGLE:

- 30 degrees

#### CERTIFICATION:

- TGA, SAA, MDSAP

#### MATERIAL:

- Iron Shell

#### TREATMENT PROTOCOL:

- 10-30 minutes

#### POWER:

- 105W

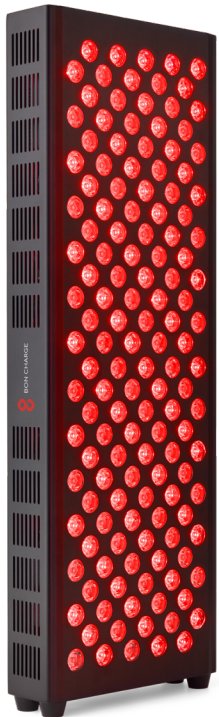
#### USER DISTANCE FROM PANEL:

- 12-18 inches



### 3.1 SPECIFICATION

# MAX RED LIGHT THERAPY DEVICE



#### MODEL:

- Max (TL 200 Pro)

#### SIZE:

- 630 x 220 x 65mm

#### IRRADIANCE

- >130mw/cm2

#### LED COUNT:

- 140 (70 NIR and 70 Red)

#### VISIBLE RED WAVELENGTH:

- 660nm

#### VISIBLE NIR WAVELENGTH:

- 850nm

#### POWER SUPPLY:

- Input: AC100-240V, 50/60Hz
- Output: DC 24V, DC 2.5A

#### FLICKER:

- Zero

#### WEIGHT:

- 6.4kg

#### BEAM ANGLE:

- 30 degrees

#### CERTIFICATION:

- TGA, SAA

#### MATERIAL:

- Iron Shell

#### TREATMENT PROTOCOL:

- 10-30 minutes

#### POWER:

- 210W

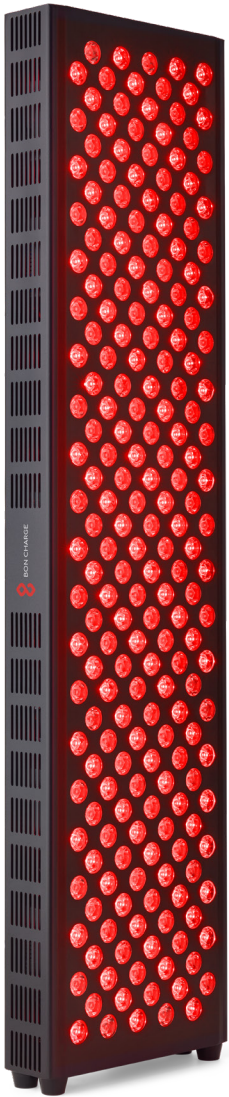
#### USER DISTANCE FROM PANEL:

- 12-18 inches



### 3.1 SPECIFICATION

# SUPER MAX RED LIGHT THERAPY DEVICE



#### MODEL:

- Super Max (TL 300 Pro)

#### SIZE:

- 920 x 220 x 65mm

#### IRRADIANCE

- >130mw/cm2

#### LED COUNT:

- 210 (105 NIR and 105 Red)

#### VISIBLE RED WAVELENGTH:

- 660nm

#### VISIBLE NIR WAVELENGTH:

- 850nm

#### POWER SUPPLY:

- Input: AC100-240V, 50/60Hz
- Output: DC 24V, DC 2.5A

#### FLICKER:

- Zero

#### WEIGHT:

- 16kg

#### BEAM ANGLE:

- 30 degrees

#### CERTIFICATION:

- TGA, SAA, MDSAP

#### MATERIAL:

- Iron Shell

#### TREATMENT PROTOCOL:

- 10-30 minutes


#### POWER:

- 320W

#### USER DISTANCE FROM PANEL:

- 12-18 inches

### 3.3 PACKAGE CONTENTS

CONTENT	QUANTITY	DETAILS
RED LIGHT DEVICE	x1	See section 3.2 picture of panel
GOGGLES	x1	
PLUG / POWER CORD	x1	
HOLDER (EXCEPT DEMI)	x1	See holder instructions
USER MANUAL	x1	

### 3.4 PANEL DESCRIPTION



Demi Red Light Therapy Device - Side/Back View and Control Panel (Shown Above)

#### A - RED BUTTON

Press the button to enter timer state, default time is 10 minutes and maximum is 30 minutes. Press button again to exit.

#### B - R/NIR BUTTON

Press the button choose mode, RED, NIR or RED/NIR.

#### C - (+) BUTTON

Press the button once to increase treatment time by one minute.

#### D - (-) BUTTON

Press the button once to decrease the treatment time by one minute.

#### E - R INDICATOR

The indicator is on means the red light is on.

#### F - NIR INDICATOR

The indicator is on means the infrared light is on.

#### G - LCD

In the timer state, display remaining treatment time.

In the treatment paused state, display "FFFF".

#### H - POWER BUTTON

Switch the button to "I" to turn on the device.

Switch the button to "O" to turn off the device.

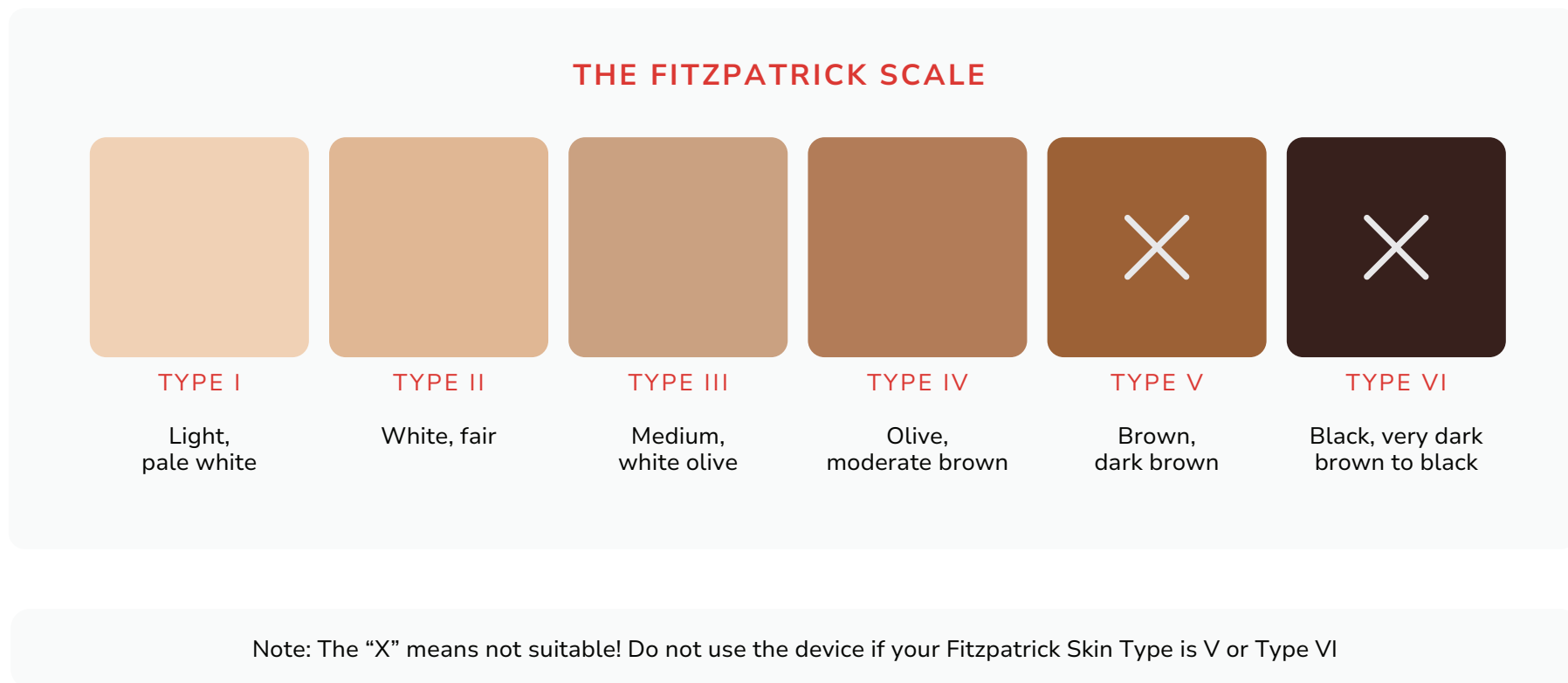
#### I - PLUG PORT

Insert power plug to plug port to power the device.

## 4. USAGE INSTRUCTIONS

### 4.1 CHECK THE SKIN TYPES

Please distinguish your skin types according to the table below before use, it will provide more effective instructions for your choice. The device should be only used by Fitzpatrick Skin Types I-IV:



## 4.2 DEVICE INSTALLATION

For model Max and Super Max, you need to install a holder before using the device.

Please refer to holder instruction for installation operation.

### INSTRUCTIONS FOR USE OF HOLDER

This holder is suitable for models Max and Super Max.

#### 4.2.1. WARNING

Improper installation may result in serious personal injury or property loss.

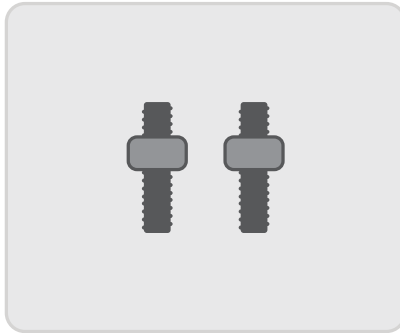
Please read the instructions carefully before installation.

- 1) If you do not understand the instructions, please contact our customer service team at [hello@boncharge.com](mailto:hello@boncharge.com)
- 2) Do not install if products or accessories are damaged or missing. If your product is affected, please contact us for repair or replacement.
- 3) This stand is only applicable to our specific model light panels. If you install light panels that do not belong to our companies specific panel models, we will not be responsible for any adverse consequences.
- 4) Do not use this product for any purpose other than its intended use.
- 5) The manufacturer shall not be responsible for any damages caused by modification, improper installation, installation beyond the specified weight range, etc. irregular behavior.
- 6) Please ensure children are supervised around the device. Climbing on the device may cause this to tip over, resulting in death or serious injury.
- 7) It is recommended that at least two people work together to install.
- 8) After installation, please check again whether screws and other details are in good condition before using.



Figure 4.1.1 Product holder for Model Max Red Light Therapy Device

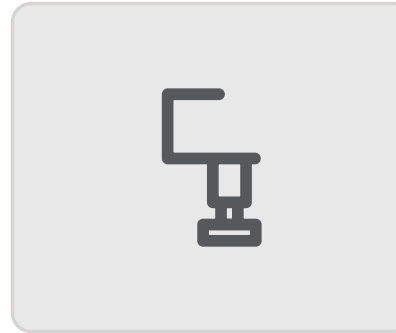
#### 4.2.2. COMPONENTS OF THE HOLDER



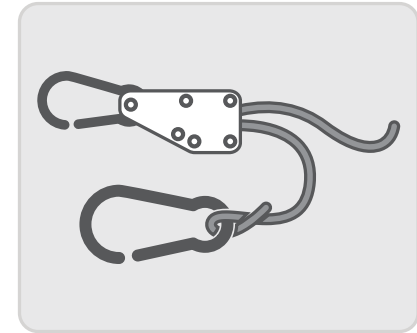
2 HANGING SCREWS



2 HANGING CABLES

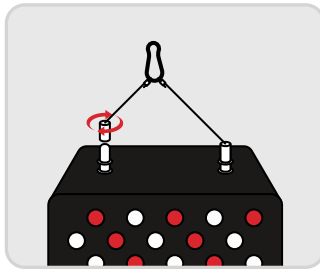


DOOR HOOK



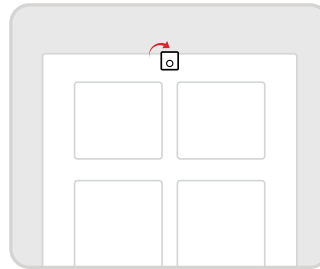
HANGING PULLEY

#### 4.2.3. INSTALLATION



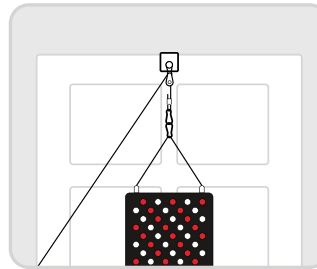
##### STEP 1

Face toward LED of the device;  
Next, screw in the threaded posts  
in the top of the device; Then,  
screw the hanging cables to the  
threaded posts;



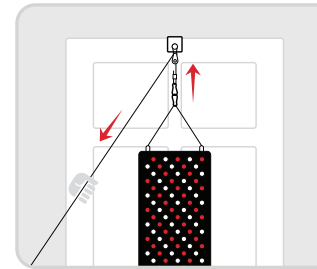
##### STEP 2

Secure the door hook  
over the top of any standard-  
sized door.



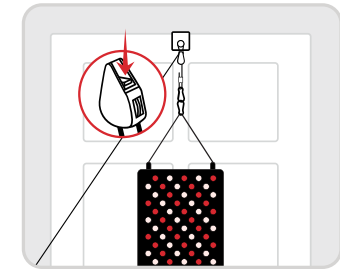
##### STEP 3

Hang the pulley on the door hook  
and connect the hanging cable to  
the hanging pulley by using  
the snap link carabiner



##### STEP 4

For raising the height  
of the device, support the device  
with your hand and pull down the  
loose cable.



##### STEP 5

Push up on the lever on  
the pulley to lower the device and  
support the device with your hand.

### 4.3 TEST FOR SENSITIVITY

- 1) Before your first treatment, it is important to perform a skin sensitivity test to ensure you won't experience any adverse reactions to light therapy.
- 2) Press the button to turn on the device.
- 3) Stand in front of the device.
- 4) Allow the treatment program to run for 5 minutes, and then turn off the device.
- 5) If your skin begins to turn red or feels uncomfortable or hot at any point during the test treatment, stop using the device.
- 6) Wait at least 6 hours after the sensitivity test. If your skin becomes red and/or itchy, you may be sensitive to light therapy and you should not continue to use the device.

### 4.4 INSTRUCTIONS

- 1) After installing the device, plug the plug into an available outlet.
- 2) Press power button to "I" to turn on the device.
- 3) Press R/NIR button to select mode, indicator is on means corresponding LED is on.
- 4) Press +/- button once to increase/decrease treatment time by one minute. LCD will display the setting time. Default time is 10 minutes and maximum time is 30 minutes.
- 5) Press light button to turn on/off which column of lights.
- 6) Press "T" button to enter timer state and LCD will display countdown.
- 7) Press "T" button again to stop countdown. LCD will display "FFFF".
- 8) Press "T" button again to continue treatment.
- 9) Press power button to "O" to turn off the device. Or the device will turn off automatically after finishing the treatment.

Note: The treatment time is 10-30 minutes.

## 5. MAINTENANCE

### 5.1 CLEANING

To clean the device, please ensure that the device has been turned off and has been unplugged first. Please remove devices from their mounting accessories before cleaning. To clean your panel, except lens parts, you can use a microfiber cloth with water to clean the body of the device. Do not spray or apply any moisture to the device directly. Be careful when wiping around vented slot openings, LED openings, and any input or output openings to avoid moisture intrusion. You can use a microfiber cloth to clean the protective glasses. Do not use chemical cleaning agents such as alcohol to clean the surface of the LEDs. Check the device for dust, impurities or residue and repeat the cleaning process again. Allow the cleaned device and goggles to air dry before use.

### 5.2 DISPOSAL OF ELECTRICAL AND ELECTRONIC EQUIPMENT WASTE (E-WASTE)

Disposal information for E-Waste depends on your location, as all regulations are local and specific to your area. To learn more about recycling and E-Waste, please contact your local city council.

### 5.3 STORAGE CONDITION

The device and accessories should be stored in a cool, dry place, away from direct light and extreme heat. Do not store other objects on top of the device. Store in the original box to prevent damage to the LEDs.



## 5.4 TROUBLE SHOOTING

In the event that the device fails to perform as intended, the following notes will help to identify potential problems with the device and its setup.

### PROBLEM



Device won't **TURN ON**

### SOLUTION

- 1) Make sure the power cable is firmly connected to both the device and a wall outlet, then turn it on again.
- 2) Check the wall outlet you are using works with other household devices, then use the device again.
- 3) Make sure you're using the power cable that came with your device and that it's the correct cable type for your geographic region.
- 4) If your device still won't turn on, it may need to be serviced or replaced. To request assistance, please email us at [hello@boncharge.com](mailto:hello@boncharge.com) and include a detailed explanation of the issue you're experiencing.

### PROBLEM



Device is **FLASHING**

### SOLUTION

- 1) Power down your device and disconnect the power cable from the device and wall outlet. Wait 30 seconds before plugging the power cable back into the device and wall, then turn the device on.
- 2) If the device is still malfunctioning, it may require service or replacement. You may contact us, including a detailed summary and photos of the device while powered on. Including a photo of the device will expedite the warranty/service process.

## 6. ELECTROMAGNETIC COMPATIBILITY INFORMATION

This device complies with Medical EMC Standard IEC 60601-1-2.

### GUIDANCE AND MANUFACTURER'S DECLARATION – ELECTROMAGNETIC EMISSIONS

This equipment is intended for use in the electromagnetic environments specified below, and the purchasers or users shall ensure that it is used in these electromagnetic environments.

EMISSIONS	COMPLIANCE
RF emissions (radiated) CISPR 11	Group 1 Class B
RF emissions (conducted) CISPR 11	Group 1 Class B
Harmonic emissions IEC 61000-3-2	Class A
Voltage fluctuations/flicker emissions IEC 61000-3-3	Complies

## GUIDANCE AND MANUFACTURER'S DECLARATION – ELECTROMAGNETIC IMMUNITY

The device is intended for use in the electromagnetic environment specified below. The customer or the user of the device should assure that It is used in such an environment.












IMMUNITY TEST	IEC 60601 TEST LEVEL	COMPLIANCE LEVEL	ENVIRONMENTS
Electrostatic discharge (ESD) IEC 61000-4-2	±8 kV contact ±2 kV, ±4 kV, ±8 kV, ±15 kV	±8 kV contact ±2 kV, ±4 kV, ±8 kV, ±15 kV air	HOME HEALTHCARE environment
Electrical fast transient/burst (EFT) IEC 61000-4-4	±2 kV for power supply lines	±2 kV for power supply lines	HOME HEALTHCARE environment
Surge IEC 61000-4-5	± 0.5kV, ± 1 kV line(s) to lines	± 0.5kV, ± 1 kV line(s) to lines	HOME HEALTHCARE environment
Voltage dips, short interruptions and Voltage variations on power supply input lines IEC 61000-4-11	0% UT, 0.5 cycle at 0°, 45°, 90°, 135°, 180°, 225°, 270° and 315° 0% UT, 1 cycle at 0° 70% UT, 25 / 30 cycle at 0° 70% UT, 25 / 30 cycle at 0° 0% UT, 250 / 300 cycle	0% UT, 0.5 cycle at 0°, 45°, 90°, 135°, 180°, 225°, 270° and 315° 0% UT, 1 cycle at 0° 70% UT, 25 / 30 cycle at 0° 70% UT, 25 / 30 cycle at 0° 0% UT, 250 / 300 cycle	HOME HEALTHCARE environment

IMMUNITY TEST	IEC 60601 TEST LEVEL	COMPLIANCE LEVEL	ENVIRONMENTS
Power frequency (50/60 Hz) magnetic field IEC 61000-4-8	Not applicable	30 A/m	HOME HEALTHCARE environment
Conducted RF IEC 61000-4-6	3 Vrms 0.15 MHz to 80MHz 6 Vrms in ISM bands between 0.15 MHz and 80MHz 6 Vrms in amateur radio bands between 0.15 MHz and 80MHz	3 Vrms 0.15 MHz to 80MHz 6 Vrms in ISM bands between 0.15 MHz and 80MHz 6 Vrms in amateur radio bands between 0.15 MHz and 80MHz	HOME HEALTHCARE environment
Radiated RF IEC 61000-4-3	10 V/m 80 MHz to 2.7GHz 80% AM at 1KHz	10 V/m 80 MHz to 2.7GHz 80% AM at 1KHz	HOME HEALTHCARE environment
Proximity magnetic fields IEC 61000-4-39	Not applicable	30 kHz <sup>7</sup> / CW / 8A/m 134.2 kHz / Pulse modulation <sup>8</sup> 2.1KHz / 65A/m <sup>9</sup> 13.56MHz / Pulse modulation <sup>8</sup> 50 kHz / 7.5A/m <sup>9</sup>	Not applicable

**NOTE:**

- 1) UT is the a.c. mains voltage prior to application of the test level ; 25 / 30 and 250 / 300 cycle means 25 / 250 for 50 Hz system and 30 / 300 for 60Hz system.
- 2) The ISM (industrial, scientific and medical) bands between 0,15 MHz and 80 MHz are 6,765 MHz to 6,795 MHz; 13,553 MHz to 13,567 MHz; 26,957 MHz to 27,283 MHz; and 40,66 MHz to 40,70 MHz. The amateur radio bands between 0,15 MHz and 80 MHz are 1,8 MHz to 2,0 MHz, 3,5 MHz to 4,0 MHz, 5,3 MHz to 5,4 MHz, 7 MHz to 7,3 MHz, 10,1 MHz to 10,15 MHz, 14 MHz to 14,2 MHz, 18,07 MHz to 18,17 MHz, 21,0 MHz to 21,4 MHz, 24,89 MHz to 24,99 MHz, 28,0 MHz to 29,7 MHz and 50,0 MHz to 54,0 MHz.
- 3) Field strengths from fixed transmitters, such as base stations for radio (cellular/cordless) telephones and land mobile radio, AM and FM radio broadcast, and TV broadcast cannot, theoretically, be predicted with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, consider conducting an electromagnetic site survey. If the measured field strength in the location the system is used exceeds the applicable RF compliance level listed in this table, observe the system to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as reorienting or relocating the system.
- 4) At 80 MHz and 800 MHz, the higher frequency range applies.
- 5) These guidelines may not apply in all situations. Electromagnetic propagation is affected by the reflection from structures, objects, and people.
- 6) Portable and mobile RF communications equipment should be used no closer to any part of the device, including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter.

## 7. LABEL & SYMBOLS

SYMBOLS		DESCRIPTION		SYMBOLS		DESCRIPTION	
1.		Manufacturer		7.		Keep dry	
2.		“WEEE (waste electrical and electronic equipment)”. The waste products should be hand RGB legally.		8.		Temperature limit	
3.		Consult instructions for use.		9.		Batch code	
4.		The date of manufacture		10.		General symbol for recovery/ recyclable	
5.		Serial number		11.		Medical Device	
6.		Need to avoid the light source					

## RED LIGHT THERAPY DEVICES

Models: Demi, Max and Super Max

User Manual (version: V1.2)



## MANUFACTURER INFORMATION

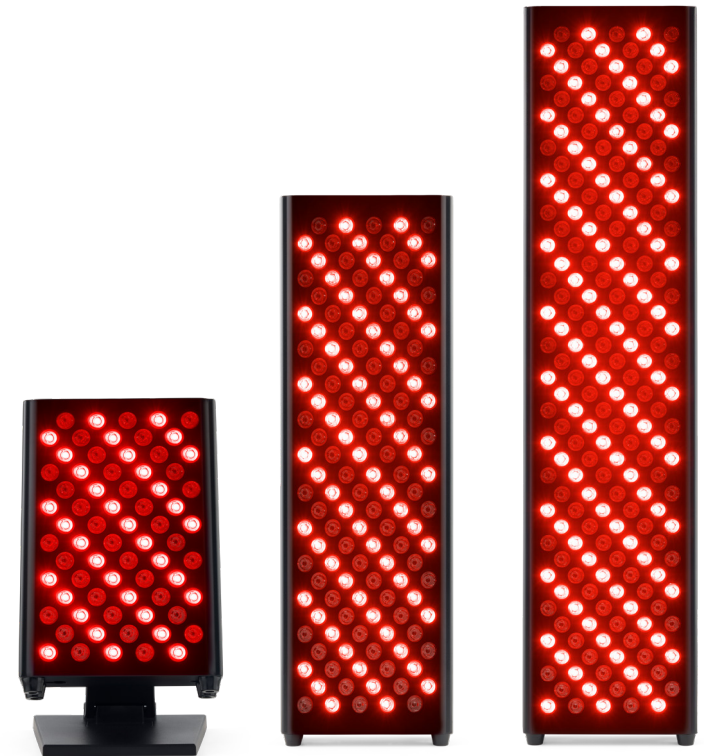
Company name: Shenzhen Idea Light Limited

Company address: 3rd Floor, Block B Shengdelan Industry Park, Guanlan Longhua District,  
Shenzhen Guangdong 518110 China

## AUSTRALIA SPONSOR

Name: BLUblox Pty Ltd

Add: 2/40 King Edward Road, Osborne Park, 6017, Western Australia, Australia





@boncharge



boncharge.com



@boncharge\_

2/40 King Edward Road, Osborne Park, Western Australia, 6017, Australia