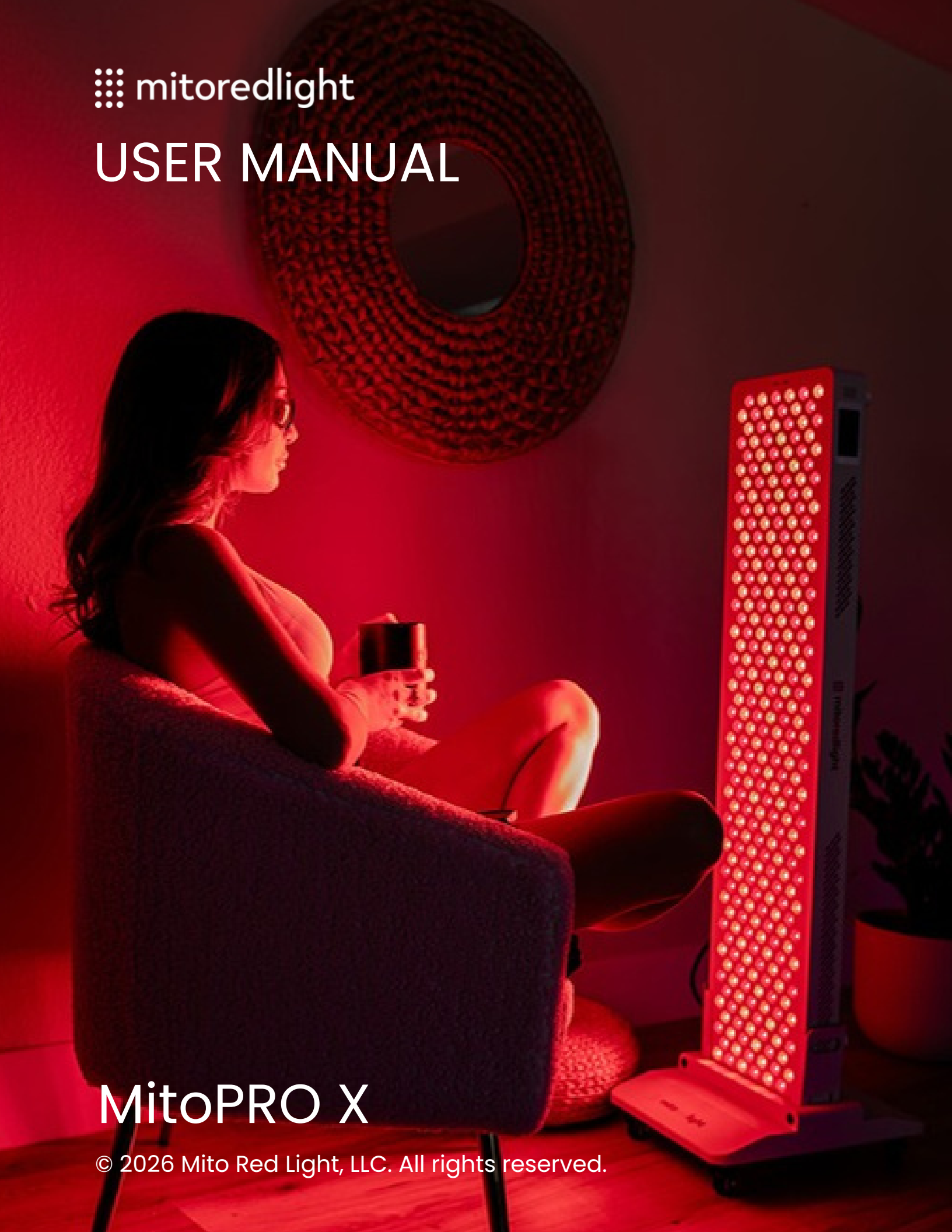




mitoredlight

USER MANUAL

MitoPRO X

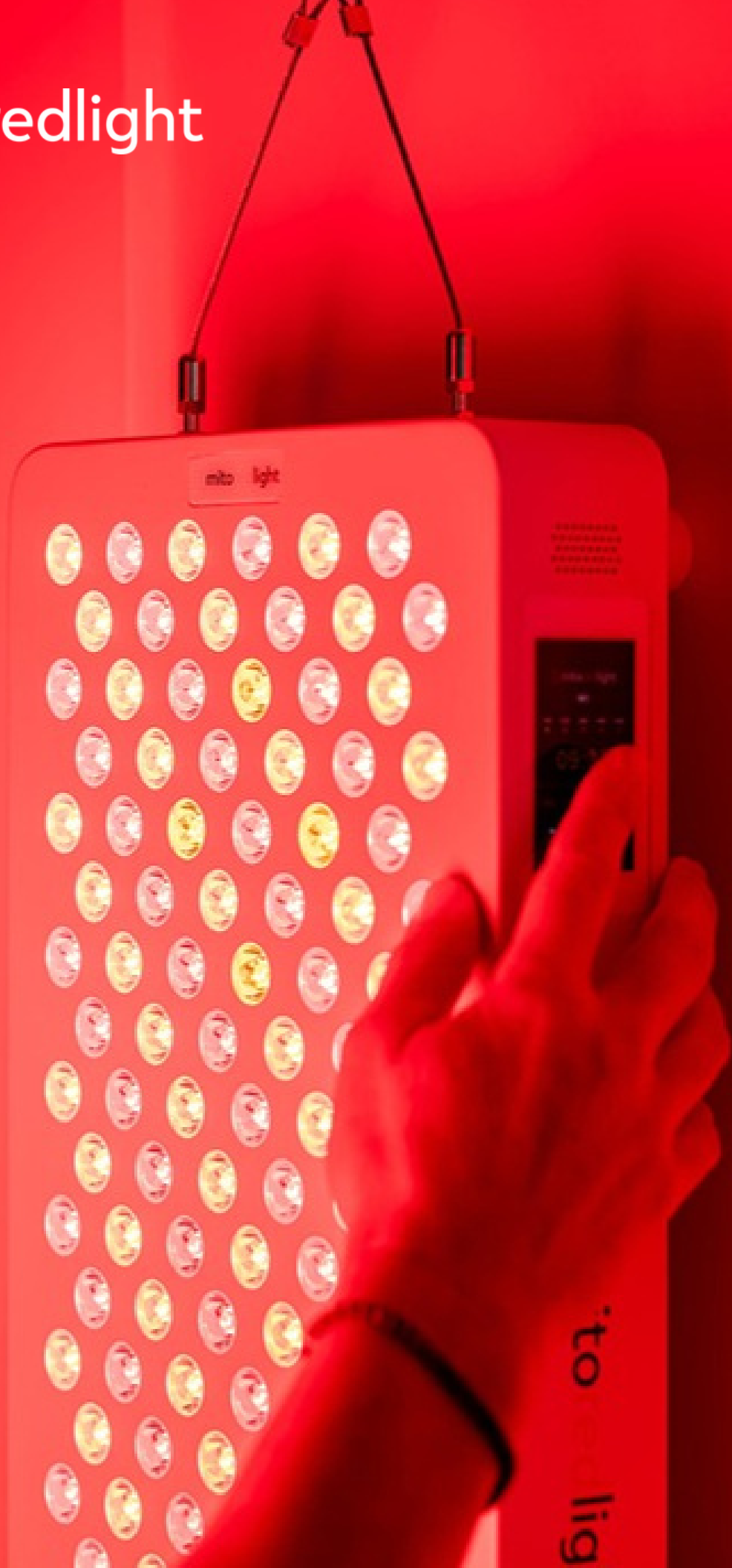
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mitoredlight



ABOUT US

Located in Scottsdale, Arizona, **Mito Red Light®** is dedicated to bringing the highest powered, highest quality red light therapy devices to market at the best possible value.

Having extensively studied and realized the benefits of red light therapy firsthand, Mito Red Light was brought into existence in order to provide consumers truly affordable, yet highly effective red light therapy options.

If you have any further questions, please feel free to contact us at: **info@mitoredlight.com**

You can also call our phone number
Monday - Friday 9am - 5pm MST
+1 866-861-6486

Mail correspondence can be sent to:

Mito Red Light, LLC
9319 N 94th Way, Suite 400
Scottsdale, AZ 85258

FOREWORD

Important Safety and Usage Information

This user manual contains essential information for the safe and proper use of this product. The manual is considered a part of the product and must remain accessible at the location where the device is operated throughout its service life. All users must read this manual carefully before use. If ownership or use of the product is transferred, this manual must be provided to the new owner or user.

Reproduction, including reprinting, photographing, digital copying, or any form of duplication of this manual is strictly prohibited without prior written permission from Mito Red Light LLC.

This product is designed to be safe and reliable when used as intended. However, misuse of this product may lead to safety risks. To help prevent accidents, please follow these guidelines:

- This product should only be operated as stated in this user manual.
- No serviceable parts inside. Refer maintenance to qualified Mito Red Light service personnel.
- If you encounter any operational issues not covered in this manual, please contact Mito Red Light LLC directly.
- This manual may be updated or revised without prior notice, the latest revision can be found at <https://mitoredlight.com/pages/user-manual>
- Keep this manual nearby for easy reference.

INDICATIONS OF USE

Use of Mito Red Light devices help promote healthy skin and overall health and wellness through supporting cellular function. Mito Red Light Therapy devices are over-the-counter class II devices that emit energy in the red and IR spectrum which may provide:

- Temporary increase in local blood circulation
- Support for cellular function
- Relaxation
- Support for mitochondrial energy production

WARNINGS

Please be sure to assemble and use the products according to the instructions contained in the User Manual. Please read the manual carefully and keep it for future reference, as misoperation may lead to personal injury or property loss. If you have any questions, please contact customer service.

Any modification of this product is strictly prohibited, and will void the manufacturer's warranty.

The product should not be overused. Excessive irradiation may have an adverse reaction to the skin, such as swelling, or burning sensation.

Do not impact the device violently to avoid damaging the lamp.

When removing the device from a cold, hot or humid environment, it should be placed at room temperature for at least half an hour before use.

Do not block ventilation openings. Overheating and damage to the product may result.

Do not make direct eye contact with LED light while device is in operation. Excessive exposure to LED light can cause eye damage.

This equipment is not intended for use by children.

Do not place the product in direct sunlight for extended periods of time, which may seriously damage the product.

Do not leave the device unattended while on, which may cause fire or burns. Unplug the plug after each use.

The device should not be repaired or maintained when it is in use. There are no serviceable parts.

Users should be treated based on their personal circumstances and their doctor's advice, select appropriate wavelength, light intensity, and treatment duration according to individual goals.

The device is only for intact skin, not for mucous membranes or damaged skin.

The user of the device should also be the operator.

Further warning and precautions can be found throughout this manual.

WHO SHOULD AVOID USING THIS DEVICE

There are no industry-wide accepted contraindications for red light therapy or a list of accepted contraindications that is designated or enforced by regulatory agencies. Research in red light therapy is ongoing, and contraindications are derived from existing research and clinical inferences. This device is intended for general wellness use. Individuals with certain conditions should avoid use or consult a healthcare professional before use.



POTENTIAL HAZARDS

Heat - Red light therapy will generate thermal energy as light is absorbed. This may cause skin irritation or burning if overexposed. If you are new to red light therapy, we recommend performing a light sensitivity test before using to reduce the risk of overexposure.

Light - The light energy used in red light therapy is low in energy, but it may affect tissues that are sensitive to light.

Tissue Stimulation - Red light therapy is intended to stimulate tissues. For certain skin conditions, red light therapy may cause unwanted skin irritation.

ABSOLUTE CONTRAINDICATIONS

Recent Burns - Recent burns may still contain residual thermal energy that may be increased by heat from red light therapy.

Malignant Cancers - There is a theoretical risk that red light therapy may increase cell proliferation in malignant cancers.

Hyperthyroidism (Neck & Upper Chest) - Red light therapy on the neck and upper chest may increase thyroid activity in those with hyperthyroidism.

Pregnancy (Abdomen) - The effects of red light therapy that reaches a developing fetus are not fully understood and are therefore not recommended.

Eyes - The effect of red light therapy on eyes having certain conditions or diseases is not fully understood. Discontinue red light therapy if you have undesirable effects on your eyes or skin surrounding the eyes.

Light Sensitivity - Individuals with rare conditions causing extreme sensitivity to light or who have previously reacted to red light therapy should avoid its use.

RELATIVE CONTRAINDICATIONS

Fever or Infection – There is a theoretical risk that the use of red light therapy can worsen existing hyperthermia caused by fever or infection.

Systemic Lupus Erythematosus (SLE) – SLE can cause skin sensitivity, increasing the risk of a reaction to red light therapy.

Bleeding – Some research suggests that red light therapy may slow the body's ability to stop bleeding. However, this effect is generally minimal.

Use of Photosensitizing Medications – Medications that increase sensitivity to light may increase risks of sensitivity to red light therapy.

Tattoos – Red light therapy may cause cosmetic defects to body art, especially body art that uses red inks may be prone to fading when exposed to intense red light. The tattoo ink may also cause uneven absorption of red light, causing therapy to be less uniform.

Dark skin pigmentation – The effect of skin pigmentation on red light therapy is still being studied. Those with darker skin tones may find that their skin absorbs more light, making it warmer than those with lighter skin tones would experience. A smaller amount of red light may actually reach deeper tissues, however, this effect is not likely to be large.

Dark hair – Darker colors of hair may absorb more light, causing increased warmth and decreased penetration of red light. This effect is not likely to be large.

Melasma / Hyperpigmentation – Our own product study showed improvement from red and NIR light on hyperpigmentation, particularly when paired with a high antioxidant serum. However, in rare instances users can experience the opposite effect. If you are new to red light therapy, we suggest starting with a short time duration to monitor and changes to the skin. If this is a concern, you may also use the red light only modes. A detailed discussion of this can be found in our website blog: Red Light Therapy & Hyperpigmentation.

Anyone with a contraindication to red light therapy (or any health condition at all) should consult with their physician before using red light therapy.

FAQS

IS RED LIGHT THERAPY SAFE? ARE THERE SIDE EFFECTS?

Mito Red Light uses only the red and near infrared wavelengths that are clinically proven to be effective and safe. However, we always recommend consulting with your healthcare provider for specific questions about any concerns or health conditions.

DO I NEED SAFETY GLASSES WITH THIS LIGHT?

While there is a growing body of scientific research suggesting that modest amounts of red and NIR LED light may benefit certain eye conditions, Mito Red's plug-in panels are very bright! As such, eye protection is provided and should be worn when facing the panels, particularly when NIR is active.

WHAT EYE PROTECTION IS INCLUDED?

Your device includes two types of eye protection. You may use either option during your session, based on comfort and personal preference.

- **Protective Goggles:** The adjustable goggles feature soft eye cups and an elastic strap for a secure fit. Strap tension can be loosened or tightened as needed using the adjustment slider. Goggles should feel secure without causing pressure or discomfort.
- **Protective Glasses:** The protective glasses offer a lightweight, wrap-style design with no strap required. They may be used as an alternative to the goggles.



WHEN USING, DO NOT STARE DIRECTLY INTO THE LIGHT EMITTING DIODES (LEDs).

Again, our Mito Red Lights are very bright and if you have any eye problems, or any other health conditions at all, please consult with a licensed healthcare professional before using a device like Mito Red.

FAQS

ARE THE NIR LEDS NOT WORKING?

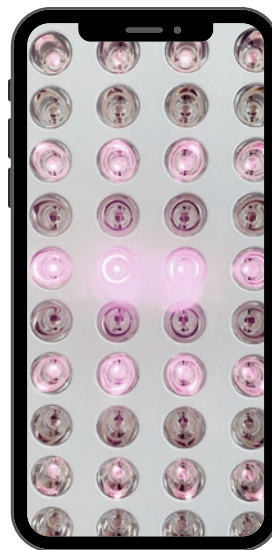
NIR is just beyond the visible spectrum and is invisible to the naked eye. You will only actually be able to see a pink dot, or a subtle pink glow emanating from the LEDs when they are on. The panel is functioning as intended and there is a significant amount of light energy emanating from those LEDs and your Mito Red Light is in fact working exactly as designed.

Helpful tip: For peace of mind, take out your phone and take a picture of your panel with the NIR on only. You will see the bulbs illuminating.

Please note: The 'yellow' 590 nm light may look green as the eyes and brain adjust to the bright light. It is completely normal for the 590nm LEDs to appear green at times.



Panel off
(through camera lens)



NIR on only
(through camera lens)

WILL LIGHT THERAPY CAUSE DETOX SYMPTOMS?

It is possible that a Mito Red Light session can cause some detox related symptoms while your body acclimates. If you experience these types of issues, we recommend stopping use until the symptoms go away. Then start out at 2-3 minutes per session area and work your way slowly up to 10 minutes over the course of 2-3 weeks. This will help your body adapt... (continue to next page)

... If you continue to experience detox-related symptoms and have any concerns regarding the use of red light therapy, we recommend stopping use and consulting with your healthcare provider. We have a full 60-day no hassle trial and full refund policy.

WHAT IF MY SKIN IS BURNED OR DAMAGED?

Red light therapy has been studied for its potential to support skin recovery. We recommend consulting with your healthcare provider if you have any concerns. As we are not licensed healthcare practitioners, we are not able to offer definitive clinical guidance. We recommend consulting with your trusted health care provider with specific questions.

WHAT IF I HAVE A PRE-EXISTING HEALTH CONDITION OR TAKE MEDICATIONS?

Mito Red Lights are classified as a general wellness devices. Out of an abundance of caution, we recommend you consult with your healthcare provider if you have any pre-existing conditions or if you take photosensitizing drugs. Steroids work to suppress the immune system while red light therapy may work to stimulate it. To the extent that the two therapies may work against each other, we do not recommend they be used together.

CAN CHILDREN USE MITO RED LIGHT®?

Clinical studies have shown red and NIR light therapy to be quite safe, but the equipment is not intended for use by children. If you are considering using it with children, we recommend consulting with a healthcare professional. All sessions should be done under adult supervision.

CAN PREGNANT OR NURSING WOMEN USE THE LIGHTS?

As there has been no clinical research with red light therapy on pregnant or nursing subjects, do not use the device if pregnant or lactating before consulting with your healthcare provider.

OTHER CONSIDERATIONS: COSMETIC & MEDICAL PROCEDURES

If you have undergone any cosmetic or medical procedure involving implants, injections, surgical alteration, or tissue healing (including but not limited to fillers, Botox, cosmetic surgery, or eye surgery), consult your licensed healthcare provider prior to use.

Do not use the device on or near areas that are actively healing, inflamed, or recovering from surgery. Before resuming use following any surgical or medical procedure, we recommend obtaining clearance from your physician.

GETTING STARTED

INDICATIONS FOR USE

Mito Red Lights are general wellness devices and are not intended to cure or diagnose any medical conditions. Use of this device is designed to help promote overall health and wellness by supporting cellular function. Mito Red Lights should only be operated based on the user guidelines, as outlined in this user manual.

FIRST TIME USERS

For first time users, we recommend doing a light sensitivity test (see below). If the test shows no reaction, start out with 2 to 4 minute sessions per area, and slowly working up to a 10 to 15 minute session over the course of 2 to 3 weeks as your body acclimates to the therapy.

Follow the instructions below to check if you are light-sensitive:

- Firstly, power on the device (see instructions).
- Position yourself 12-18 inches away from the device, making sure the light is shining onto the skin. Stay in the light for 3 minutes, unless you feel any sensitivity and want to end early.
- After the session is complete, visually check the area. If you experience pain or discomfort, or redness that lasts for more than 2 hours, you might be light sensitive. Please consult a doctor for advice.
- DO NOT use if currently using retinol, acids (like AHAs or BHAs), or any products that can increase skin photosensitivity – SEE PAGE 7 FOR MORE.

STANDARD USE

We recommend 10-minute sessions at 12-18 inches from your device. Additional 10-minute sessions for specific areas may be beneficial but beyond a certain point, the scientific evidence points to diminishing returns. More is not always better.

For this reason, we recommend you allow at least 6 hours between sessions on the same area. We recommend no more than 15 minutes in any one session. For best results, we recommend 4-6 red light therapy sessions per week. We recommend taking at least one day off per week.

DON'T FORGET YOUR EYEWEAR: Because the LEDs are very bright, eye protection should be worn when looking directly towards the light, particularly when NIR is active.

GETTING STARTED

Step 1: Unbox your MitoPRO X device and accessories:

- A** - 1 x user manual
- B** - 1 x power cord
- C** - 1 x eye protection goggles
- D** - 1 x eye protection glasses
- E** - 1 x over the door hook
- F** - 1 x hanging cables
- G** - 2 x small vinyl straps
- H** - 2 x large vinyl straps



Attention: The MitoPRO 300X, 750X, 1500X will be packaged with 16 AWG power cord. The XL panels will be supplied with a 14 AWG. If you need a replacement power cord, please contact customer service.



DON'T FORGET YOUR EYEWEAR: Because the LEDs are very bright, eye protection should be worn when looking directly towards the light, particularly when NIR is active.

GETTING STARTED

Step 2a: If you have a MitoPRO 300X, pull out the table top stand and place on a level surface.



Step 2b: If you have a MitoPRO 750X or a MitoPRO 1500X and would like to hang your panel on a door, attach the included steel cables to the top of the panel.

Then attach the door hook onto a door and hang.

Optional vinyl straps are included to add length. Vinyl Straps can be doubled up for added hanging security. Straps can also be folded over to create a shorter length (use carabiner on both sides).



GETTING STARTED

Step 3:

Connect the power cable into the plug located on the back of the unit. And then connect to an outlet. Turn the power switch on (green switch).

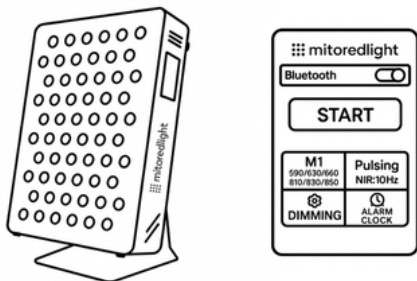


Power Strips: Avoid using extension cords whenever possible. If an extension cord is required, use only a UL certified, high-quality extension cord that is properly rated to carry the total electrical load of the device. Ensure the extension cord is in good condition, fully uncoiled, and suitable for indoor use.

HOW TO OPERATE YOUR PANEL

Your panel can be operated via multiple methods:

Single Panel



Direct Control Panel

Control directly using built-in, touchscreen control panel

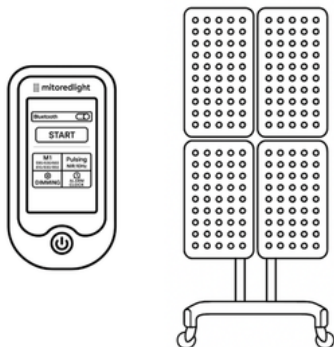
Single Panel



Smartphone App

Pair your phone directly with a single panel via bluetooth

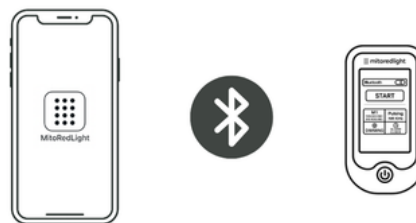
How to Control MitoPRO X Multi-Panel Array



Option 1:

Use the wireless remote control

How to Control MitoPRO X Multi-Panel Array



Option 2:

Pair smartphone app with the wireless remote control via Bluetooth

(Bluetooth MUST be disabled on panels)

CONTROLLING MULTIPLE PANELS

Method 1: Wireless Remote Control Only

Recommended when operating 2 or more panels (the wireless remote is required for multi-panel control)

Step 1 — Turn On Each Panel

- Turn on all MitoPRO X panels you want to use.

Step 2 — Use the Wireless Remote

- Use the remote to select your mode, time, and start the session.
- All powered-on panels will respond together.

The remote sends commands to the panels via a one-way (unidirectional) RF signal.

CONTROLLING MULTIPLE PANELS

Method 2: Mobile App + Wireless Remote

Use this method when you want to use the mobile app while still controlling multiple panels simultaneously

Step 1 — Turn On Each Panel

- Ensure all panels are fully powered on.

Step 2 — Disable Bluetooth on Each Panel

- This prevents the mobile app from pairing with only one panel.

Step 3 — Turn On the Wireless Remote

- Make sure Bluetooth is ENABLED on the remote.

Step 4 — Open the Mito Red Mobile App

- Choose your desired mode, time, and start your session.
- Commands will be sent to all panels through the wireless remote (which will pair to your smartphone automatically).

Important Information

- How the App Communicates: The Mito Red Mobile App connects directly to the wireless remote via Bluetooth. The remote relays all commands to the panels using a one-way (unidirectional) RF signal.
- One-Way Communication: The remote sends commands to the panels. The panels do not communicate back to the remote or to each other. This ensures all panels receive the same instructions at the same time.
- If you are controlling only one MitoPRO X panel, you may connect your smartphone directly to that panel via Bluetooth without using the wireless remote.

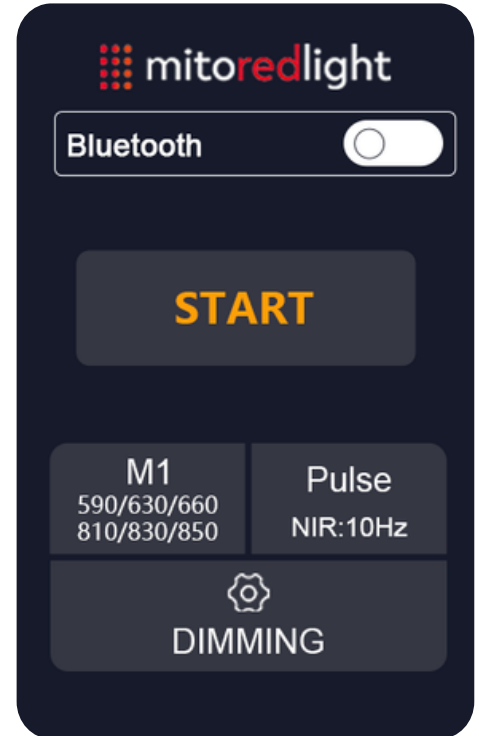
HOW TO OPERATE YOUR PANEL

THE CONTROL PANEL

Your MitoPRO X has touch screen control.

From the home screen you can:

- 1) Press the M button to select the mode
- 2) Pulse function
- 3) Press the Dimming button to change brightness
- 4) Toggle Bluetooth on / off



HOW TO OPERATE YOUR PANEL

1 - Mode selection

Press the 'M' button to go to the mode selection screen.

M1: The panel will emit all 6 wavelengths (recommended for most use cases).

M2: The panel is entirely red and yellow light (590nm, 630nm, 660nm).

M3: The panel is entirely Near Infrared light (810nm, 830nm, 850nm).

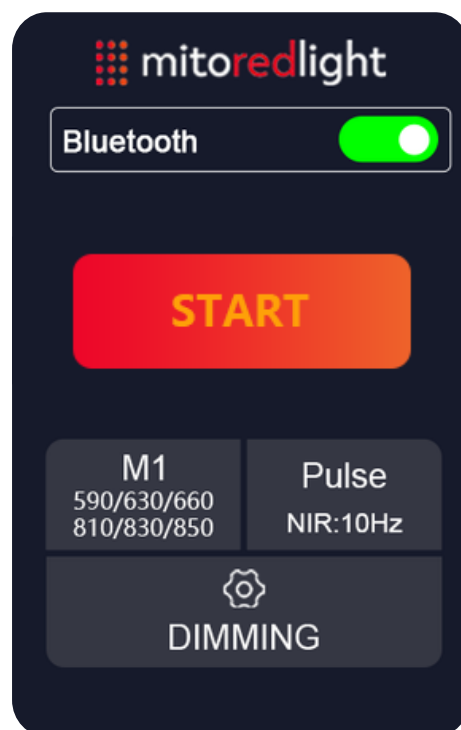
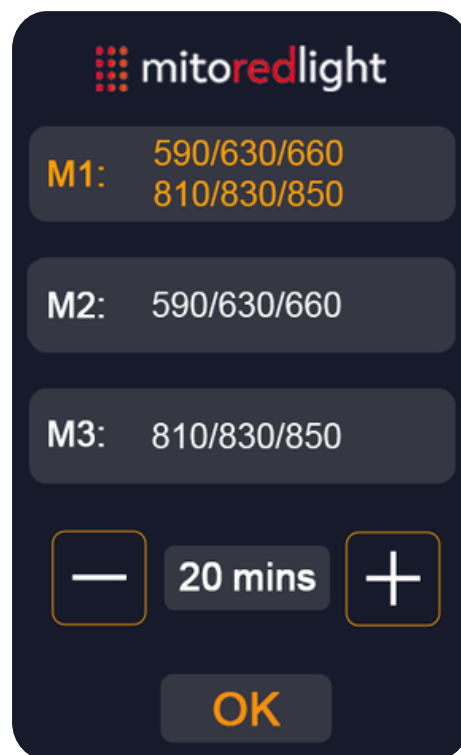
Please Note: M3 is the ENTIRE PANEL operating at NIR. Since NIR is invisible, to prevent unintentional extended exposure, M3 is limited to 10 minutes on the control panel.

To use all NIR mode for more than 5 minutes, you may use "NIR Extend" Mode (M4) within the Mito Red Light app. NIR Extend mode can be set for up to 20 minutes but will cycle to M2 for one minute, every 4 minutes.

Hit the + or - to change the time then hit 'OK'
Hit the 'START' button to begin your session.

To pause your session press 'PAUSE'.

To stop your session press 'STOP' and then the 'back' button.



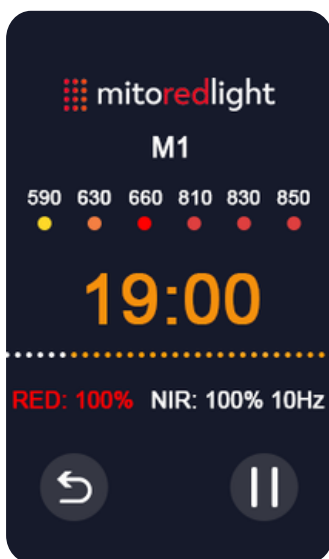
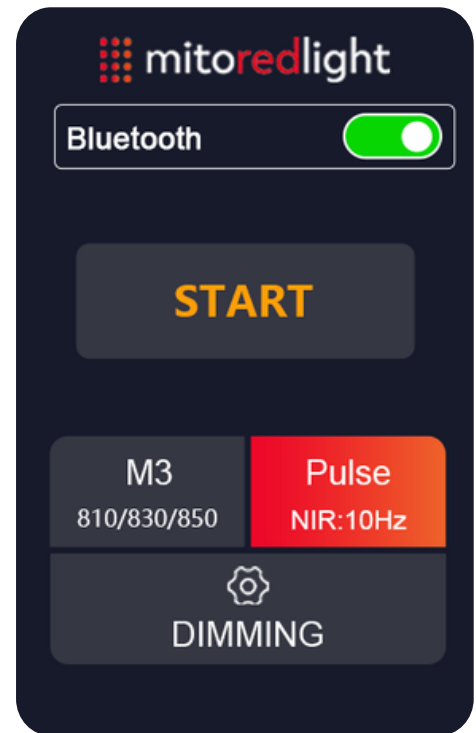
HOW TO OPERATE YOUR PANEL

2 - NIR Pulsing

Press the 'Pulsing' button to enable NIR pulsing.

You will be able to see if the pulsing is active by looking at the display screen (see examples below).

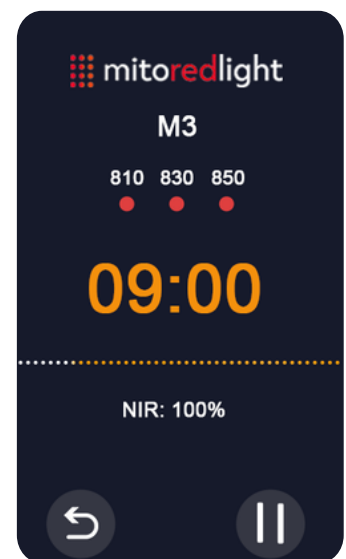
Please note: Only NIR (near infrared) which is invisible, will pulse. The visible red light will NOT pulse.



Mode 1



Mode 2

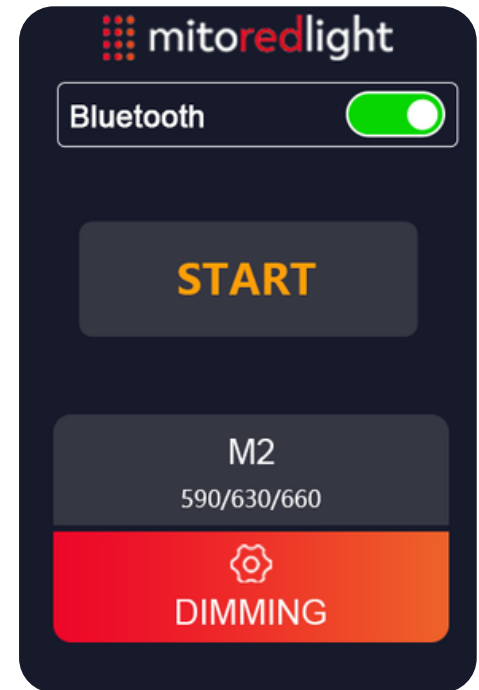


Mode 3

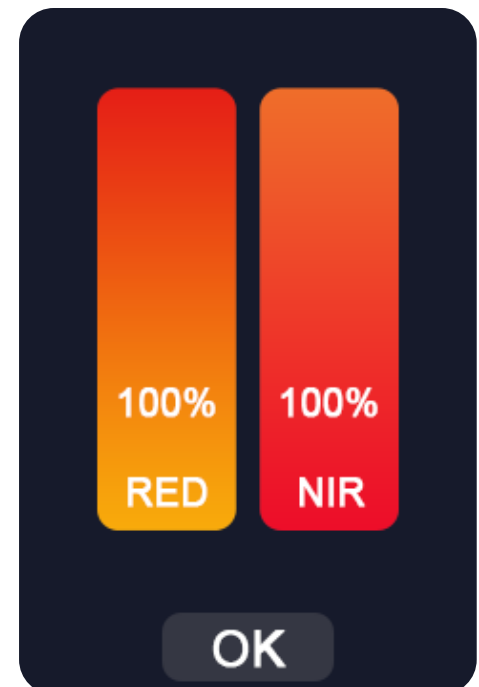
HOW TO OPERATE YOUR PANEL

3 - Changing the Brightness

Press the 'Dimming' button



You will be able to slide the brightness up and down from 1% - 100% for both Red and Near Infrared
It is recommended to check the brightness each session to make sure the panel is set at the desired power output.



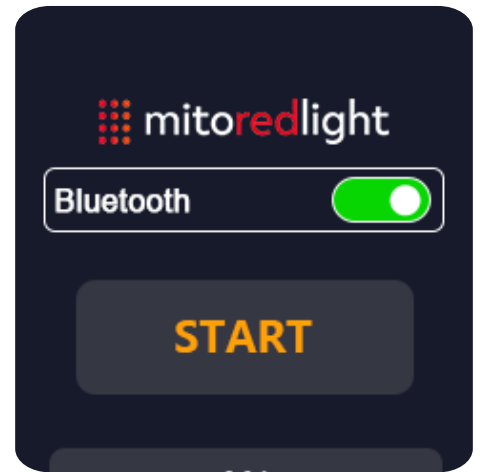


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MOBILE APP USER GUIDE

DOWNLOADING THE MITO RED LIGHT APP

Make sure the Bluetooth function is enabled on your device.



Download the Mito Red Light app by searching the app store, using the link or by scanning the QR codes below!

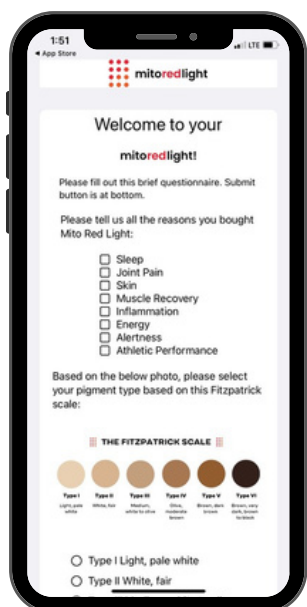


<https://apps.apple.com/us/app/mitoredlight/id1639752291>

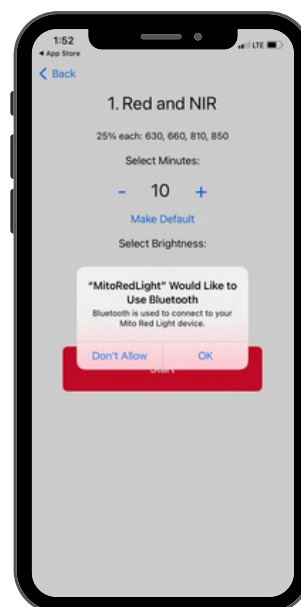


<https://play.google.com/store/apps/details?id=com.mitoredlight&pli=1>

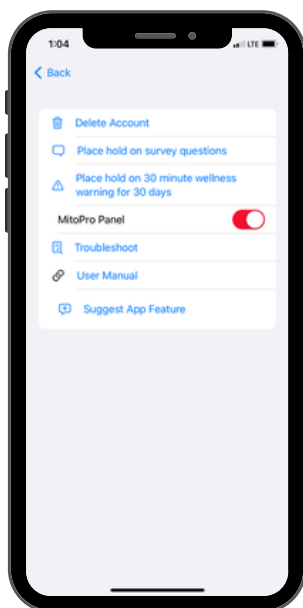
MOBILE APP USER GUIDE



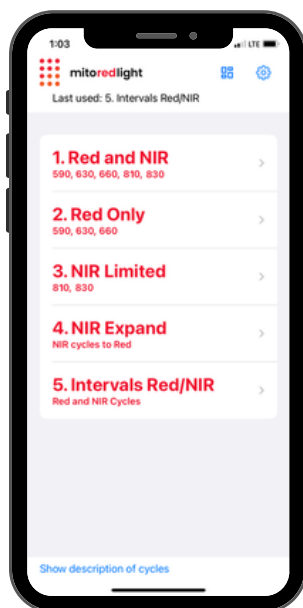
Once downloaded, start the app and fill out our quick questionnaire. Your feedback is greatly appreciated!



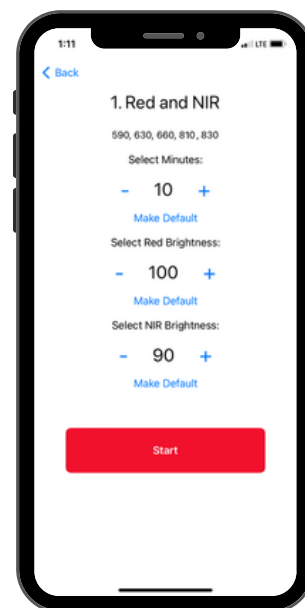
Ensure that Bluetooth permissions are accepted when prompted, if not accepted the app will not connect to your device.



Go to settings and turn 'on' the MitoPRO X option.



Select one of the 5 modes.



Adjust your time and brightness settings then hit the start button to begin your session.

APP TROUBLESHOOTING

TROUBLESHOOTING

If the control panel is not working, make sure you are connected to power and that the power switch on the back of the device is turned on.

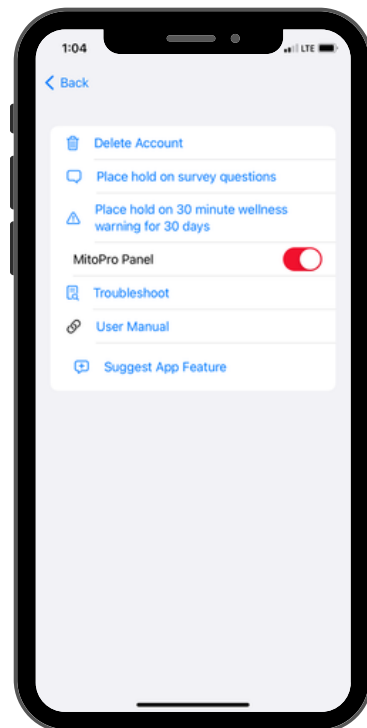
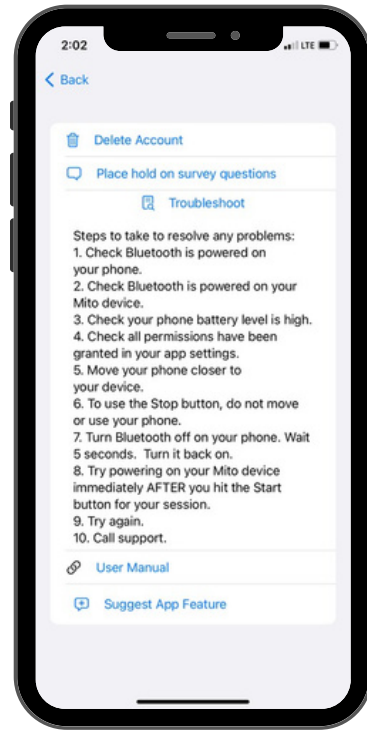
If there is no light coming from the panel when the session is started, confirm that the brightness setting is not set to 0% (also note that NIR light 810nm/830nm is invisible to the naked eye).

If app failed to connect, make sure you are within 5 feet of the panel, close the app on your device and restart.

Turn the panel off and on. Make sure your Bluetooth permissions are accepted through your devices' settings. Ensure Bluetooth is enabled on your mobile device and your panel.

If the app still does not connect, go to the settings screen in the app and make sure the toggle says MitoPRO X and not the MitoADAPT series.

You can also access this User Manual via the app by clicking the settings icon.





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MITOPRO X BRACKET INSTRUCTIONS

The MitoPRO 750X and MitoPRO 1500X can be combined to make a larger full body set-up!

When you order a bundle, brackets will automatically be added to your order. If you made the awesome decision to expand your red light therapy space and need brackets, please reach out to our team and we will send you the brackets (info@mitoredlight.com)



Door hanging bracket

Horizontal stand bracket

Vertical stand bracket

- Rubber feet remain on the bottom of the panel
- Remove the hanging posts from the top of the bottom light.
- Lay out panels and install brackets as shown. Always have the MitoPRO 1500X as the top panel.

*Note – see product specific user manuals / video tutorials for bracket install instructions as the brackets vary by series- <https://mitoredlight.com/pages/user-manual>

MITOPRO X BRACKET INSTRUCTIONS

Door and Vertical stand bracket



Horizontal stand bracket



Please note:

Always place the MitoPRO 1500X on top.

At least 4 screws on each side should be used to attach the brackets to the MitoPRO 1500X.

At least 3 screws on each side should be used to attach the brackets to the Mito PRO 750X

ADDITIONAL SAFETY INSTRUCTIONS AND WARNINGS

To preserve the life and functionality of the light, always store in a cool, dry place when possible. For proper use and safety, please be sure to read this manual and follow all instructions and do not do any of the following:

DO NOT let children use the device without adult supervision.

DO NOT use this on infants.

DO NOT let sleeping, disabled, or unconscious persons use the device.

DO NOT exceed 20 minutes of use in one therapy session.

DO NOT use on open, fresh wounds.

DO NOT use in combination with liniments, salves, ointments, or balms that contain heat producing ingredients. A skin burn could be the result of doing so.

DO NOT modify or attempt to repair this equipment. There are no parts that are serviceable by the user. The Mito Red Light is an electrical device. To avoid electric shock or other electricity-related dangers, adhere to the following instructions:

DO NOT wash electrical parts with water or other liquids.

DO NOT drop your device in water or other liquids or place it where it may fall into water or other liquids.

DO NOT directly touch the light or touch the plugs or switches with wet hands.

DO NOT expose to running water. If your light comes into contact or becomes submerged into water or other liquid, unplug it immediately from the electrical power outlet. If it is to be used in the vicinity of water, we recommend using an electrical outlet protected by Ground Fault Circuit Interrupter (GFCI).

DO NOT apply or touch the light to, or with, wet or damp skin.

DO NOT pull, carry, or lift the light by its cord. If the cord is damaged, don't use the light.

DO NOT use on or near heated surfaces.

DO NOT operate this light in areas where it could be exposed to flammable or combustible products or vapors. Explosion or fire may occur.

DO NOT store or use your device in hot temperatures exceeding 115°F.

DO NOT use your light if it is damaged. Continuous use of a damaged light may result in electric shock or injury. DO NOT use extension cords unless they are designed to carry the total wattage of the light being powered. DO NOT unplug by pulling directly on the cord. Grasp the plug itself, not the cord, when unplugging from an outlet. DO NOT cover the cooling fans while operating the light. The operating temperature of the panel is 45°F - 115°F.

CAUTIONS & DISCLAIMER

CAUTIONS

Mito Red Light® recommends consulting with your healthcare provider prior to use if you believe that you are sensitive to light. Some cold and allergy medications, pain medications, and medications used to treat infection may cause light sensitivity.

We also recommend consulting with your healthcare provider prior to using the light if you are pregnant, have any suspicious or cancerous lesions, or have recently had a steroid injection or use topical steroids.

If you experience discomfort or have a concern about the light, stop use immediately and contact your healthcare provider.

Unplug from outlet when not in use to avoid tripping hazards.

DISPOSAL

The light should not be disposed of with other household waste. The light requires disposal via a designated collection point for the recycling of electrical waste.

Please recycle your equipment at the time of disposal to help conserve natural resources and protect human health and the environment.

DISCLAIMER

The statements in this manual have not been evaluated by the Food and Drug Administration (FDA). The information provided is not intended to diagnose, treat, cure, or prevent any disease and should not be construed as medical advice. Our products are low-risk, general wellness / fitness products.

Mito Red Light makes no claims or representations or otherwise warranties regarding the ability of this product to cure any physical or mental conditions. A qualified health professional should always be consulted prior to using this product in regards to any condition that may require medical attention.

CALIFORNIA PROP 65 REQUIRES THE FOLLOWING NOTICE WARNING:

The enclosed hardware and power cord contain chemicals (such as lead) known to the State of California to cause cancer and birth defects or other reproductive harm. This is true of virtually all power cords and electronics sold in the marketplace at this time. Please wash hands after use.

CLEANING AND STORAGE

Cleaning

- Lightly dust the device periodically using a soft, dry cloth.
- If necessary, wipe the outer surface with a soft cloth lightly dampened with water or 70% isopropyl alcohol. Do not allow liquid to enter the panel.
- Do not use abrasive cleaners, solvents, or harsh chemicals, as these may damage the surface or labeling.
- Do not use a wet sponge or soaking cloth. Excess moisture may damage internal electronic components.
- Allow all cleaned surfaces to dry completely before reconnecting the device to the power supply.
- Never immerse the device in liquid. Only use a lightly dampened cloth to clean or disinfect the exterior surfaces.

Storage

- Store the device in its original packaging whenever possible. If transporting the device, repackage it in the original box to prevent damage.
- Keep the device in a clean, dry, and well-ventilated area, away from corrosive gases, direct sunlight, and excessive heat.
- If the device has been stored in extreme temperature or humidity conditions, allow it to acclimate at room temperature for at least 2 hours before use.

MAINTENANCE

This product is maintenance-free and does not require routine servicing. Users are encouraged to periodically check the device, power cord, and connectors to ensure they are in good condition and functioning properly. Do not use the device if damage or abnormal operation is observed. Contact customer service for support if needed.

On rare occasions, customer service may direct you to change the fuse on the back of the panel. Follow these simple directions to change the fuse:

Fuse Information:

- Type: 5×20mm ceramic tube
- Rating: 10A, 250V
- Location: At the power input (fuse holder near the power cord connection)

Fuse Replacement Instructions:

1. Turn off the device and unplug the power cord.
2. Use a screwdriver to gently remove the fuse from its holder.
3. Replace with a new fuse of the same type and rating.



PARAMETERS

Parameter	Specification
Product Model	MitoPRO 300X / 750X / 1500X
Power Supply	MitoPRO 300X 1.2-0.5A
	MitoPRO 750X 2.0-0.9A
	MitoPRO 1500X 4.3-0.9A
Fuse	Yes
Waterproof Rating	IP21
Running Mode	M1: 1-20 min adjustable (590/630/660/810/830/850) M2: 1-20 min adjustable (590/630/660) M3: 1-10 min adjustable (810/830/850)
Accessory (App) Name	Mito Red Light
Model Number	MitoPRO X
Protection Against Electric Shock	Class II (No applied part)
Light Source	Light Emitting Diodes (LEDs)
Risk Group Classification	Risk Group I
Peak Wavelengths (nm)	590 ±10, 630 ±10, 660 ±10, 810 ±10, 830 ±10, 850 ±10
Cascade Mode	Bluetooth APP Control
Pulse Mode	M1 & M3: Infrared 10Hz pulse (optional) M2: No pulse
Product Dimensions (L × W × H)	MitoPRO 300X 13" x 10" x 3" MitoPRO 750X 23" x 10" x 3" MitoPRO 1500X 43" x 10" x 3"
Gross Weight	MitoPRO 300X 7lb MitoPRO 750X 15lb MitoPRO 1500X 25lb
Operating Temperature Range	0°C – 40°C
Operating Relative Humidity	≤80%
Operating Atmospheric Pressure	700 hPa – 1060 hPa
Storage Temperature Range	-20°C – 55°C
Storage Relative Humidity	≤85%
Storage Atmospheric Pressure	700 hPa – 1060 hPa

SAFETY SYMBOLS

Symbol	Description	Symbol	Description
	Manufacturer		Caution: Infrared radiation
	Refer to instruction manual/booklet		Keep dry
	Class II equipment		Fragile – handle with care
	Manufacturer		Do not use this device in a bathtub, shower or water-filled reservoir
	General warning sign		Humidity limit
	Opaque eye protection must be worn		Temperature limit
	Keep away from sunlight		Medical Device (electrical)
	Serial Number		This way up
	Manufacture Date		
	"WEEE (Waste Electrical and Electronic Equipment)". The waste products should be handled legally.		
	Do not stare at light		

EMC 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.

- This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.
- This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
- This device complies with applicable electromagnetic compatibility (EMC) standards for consumer electrical equipment. It is designed to operate safely in typical home environments.
- To reduce the risk of interference, avoid using the device near strong electromagnetic sources such as RF transmitters, high-power radio equipment, or large electrical machinery. Use only accessories and power supplies provided or approved by Mito Red Light.

EMC INFORMATION

Table 1 Guidance and manufacturer's declaration - electromagnetic emissions	
Emissions test	Compliance
Conducted emissions CISPR 11	Group 1, Class B
Radiated emissions CISPR 11	Group 1, Class B
Harmonic emissions IEC 61000-3-2	Class C
Voltage fluctuations/ flicker emissions IEC 61000-3-3	Comply

Table 2

Guidance and manufacturer's declaration - electromagnetic Immunity		
Immunity Test	IEC 60601-1-2 Test level	Compliance level
Electrostatic discharge (ESD) IEC 61000-4-2	±2kV, ±4kV, ±8kV and ±15kV air ±8kV contact	±2kV, ±4kV, ±8kV and ±15kV air ±8kV contact
Electrical transient/burst fast IEC 61000-4-4	±2kV for a.c. power lines	±2kV for a.c. power lines
Surge IEC 61000-4-5	±0.5kV, ±1kV (Line-to-line) ±0.5kV, ±1kV, ±2kV (Line-to-ground)	±0.5kV, ±1kV (Line-to-line) ±0.5kV, ±1kV, ±2kV (Line-to-ground) 0% UT:
Voltage dips, short interruptions and voltage variations on power supply input lines IEC 61000-4-11	0% UT: 0.5 cycles, At 0°, 45°, 90°, 135°, 180°, 225°, 270° and 315°; 0% UT: 1 cycles, Single phase: at 0°; 70% UT: 25/30cycles, Single phase: at 0°; 0% UT: 250/300 cycles;	0.5 cycles, At 0°, 45°, 90°, 135°, 180°, 225°, 270° and 315°; 0% UT: 1 cycles, Single phase: at 0°; 70% UT: 25/30cycles, Single phase: at 0°; 0% UT: 250/300 cycles;
Power frequency magnetic field IEC 61000-4-8	30A/m	30A/m
Conducted RF IEC61000-4-6	3Vrms 0, 15 MHz – 80 MHz 6Vrms in the ISM frequency band	3Vrms 0, 15 MHz – 80 MHz 6Vrms in the ISM frequency band
Radiated RF IEC61000-4-3	10 V/m 80 MHz – 2, 7 GHz	10 V/m 80 MHz – 2, 7 GHz
NOTE UT is the a.c. mains voltage prior to application of the test level.		

Table 3

Guidance and manufacturer's declaration - electromagnetic Immunity					
Radiated RF IEC61000-4-3 (Test specifications for ENCLOSURE PORT IMMUNITY to	Test Frequency (MHz)	Band (MHz)	Service	Modulation	IMMUNITY TEST LEVEL (V/m)
	385	380 – 390	TETRA 400	Pulse modulation	27

EMC INFORMATION

RF wireless communications equipment)				18 Hz	
	450	430 – 470	GMRS 460, FRS 460	FM ± 5 kHz deviation 1 kHz sine	28
	710	704 – 787	LTE Band 13, 17	Pulse modulation 217 Hz	9
	745				
	780				
	810	800 – 960	GSM 800/900, TETRA 800, iDEN 820, CDMA 850, LTE Band 5	Pulse modulation 18 Hz	28
	870				
	930				
	1720	1 700 – 1 990	GSM 1800; CDMA 1900; GSM 1900; DECT; LTE Band 1, 3, 4, 25; UMTS	Pulse modulation 217 Hz	28
	1845				
	1970				
	2450	2 400 – 2 570	Bluetooth, WLAN, 802.11 b/g/n, RFID 2450, LTE Band 7	Pulse modulation 217 Hz	28
	5240	5 100 – 5 800	WLAN 802.11 a/n	Pulse modulation 217 Hz	9
	5500				
	5785				

WARRANTY POLICY

PRODUCT SPECIFIC WARRANTY POLICIES:

1 YEAR WARRANTY

Portable Devices /
Flexible Devices

2 YEAR WARRANTY

Mito Red Original 2.0
MitoMIND

3 YEAR WARRANTY

MitoPRO X Series,
MitoPRO+ v2 Series,
MitoADAPT 4.0 Series

The Warranties above are valid only to original purchaser if item purchased directly from www.mitoredlight.com or authorized reseller and is non-transferable. The warranty period starts the date the original purchased unit is delivered.

The warranty covers any defects in material or workmanship under normal use during the warranty period. During the warranty period, Mito Red will replace, at no charge, products that prove defective because of improper material or workmanship, under normal use and maintenance.

Mito Red will replace the products at no charge. For the first 180 days, Mito Red will be responsible for all shipping costs related to your request. After the first 180 days, buyer will be responsible for product shipping charges and related coverage while in transit to Mito Red. Please retain the tracking information for proof of delivery to us.

The warranty does not cover any problem that is caused by damage resulting from your negligence, improper maintenance, improper use, experimental use, or modifications; the warranty does not cover theft or loss of the product.

To obtain warranty service, you must first contact us at info@mitoredlight.com to determine the problem and the most appropriate solution for you. You may be asked to provide proof of any defects, and therefore you should maintain photos and videos of any alleged defects.



REFUND POLICY

Mito Red offers a full 60-day trial of all products. The 60-day trial period commences upon customer's receipt of the product. Return shipping is paid by you. We require that returns be sent back in the original packaging to prevent damage in transit. You shall retain the tracking information to provide proof of delivery to Mito Red. Mito Red is not liable for lost or damaged return shipments and we reserve the right to charge for any damages you caused to the product.

Refunds for customers choosing to return during the 60-day trial period are 100% of product cost – any elective expedited shipping costs and international shipping costs are non-refundable.

Returns must note your full name and order number. Returns must be postmarked before the end of the 60-day trial period. Returns after the 60-day trial period will not be accepted.

If the returned product is damaged in any way or returned in an unsellable condition, the shipment will be refused and returned to sender.

Return Shipping

To return your product, please visit

<https://mitoredlight.com/policies/refund-policy>



If you have any further questions, please feel free to contact us at:
info@mitoredlight.com

You can also call our phone number
Monday – Friday 9am – 5pm MST
+1 866-861-6486

Mail correspondence can be sent to:

Mito Red Light, LLC
9319 N 94th Way, Suite 400,
Scottsdale, AZ 85258



www.mitoredlight.com



User Manual and Instructional Videos

This user manual and instructional videos can be found here:

<https://mitoredlight.com/pages/user-manual>

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