



MITO RED LIGHT HELMET (LED/LASER)

USER MANUAL

www.mitoredlight.com





Contents

About us	03
Precautions related to the instruction manual	04
Product description	05
Contraindications	06
Warnings and precautions	07
Indications of use	12
Component introduction	14
How to use.....	16
Session recommendations	17
Cleaning and storage	20
Troubleshooting	21
Product specifications	22
Warranty	23



About us

Located in Scottsdale, Arizona, **Mito Red Light®** is dedicated to bringing the highest powered, highest quality red light therapy lights 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, Inc

9319 N 94th Way, Suite 400 Scottsdale, AZ 85258

Precautions

Thank you

for purchasing the Mito Red Light Helmet (LED/Laser), please read this manual carefully before use.

The Mito Red Light Helmet (LED/Laser) is indicated to promote scalp health by delivering red light to the scalp. In order to use the Helmet safely, please follow the instructions in the user manual.

WARNING: Do not look directly into the any of the light emitters inside the device.

The device is designed to function only when it is placed on the head. The user bears responsibility for proper use of the helmet.

The Helmet is meant to be used ONLY on the head. DO NOT attempt to use the helmet on any other parts of the body.

If you have any questions about the operation of the device, please contact customer service : 1-866-861-6486 or email us at info@mitoredlight.com.

LASER WARNING LABEL



Product description

The Mito Red Helmet is composed of 26 3R class laser diodes (wavelength: 650-660nm, power<5mW) and 30 red light emitting diodes (LEDs, wavelength: 640nm-660nm).

The helmet system is designed to automatically pause therapy if the subject's head is moved outside of the zone of radiation and will resume therapy when the correct head position is re-established.

At the end of the therapy cycle, the system signals that therapy is complete and ready to be powered down, by emitting an audible beep pattern.



WARNING: DO NOT LOOK DIRECTLY AT ANY OF THE LIGHT-EMITTERS INSIDE THE DEVICE.

Contraindications



The Mito Red Light LED Helmet is contraindicated in the following situations:

Do not use the device if you have a medical condition that makes your skin sensitive to sun or light, or if you are taking photosensitizing medications.



NO

Do not use the device if you have cancer on your scalp.



NO

Do not use the device if your skin is sensitive or allergic to laser (650–660nm). Sensitive skin or allergic reactions may cause itchy scalp or sunburn redness, for example, redness, etc., if there is any abnormal condition when using, please stop using immediately and consult a physician.



NO

The device should not be used by or on children under 18 years of age.

Warnings and precautions



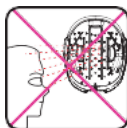
Warning: To control or adjust the laser/LED helmet or to perform any step of the operation other than those specified in the operating instructions, may cause hazards such as possible harmful radiation, electric shock, fire or malfunction.

Do not disassemble, modify, or repair the LED helmet.



NO

Do not look directly at the light source or use an optical instrument (such as a magnifying glass or microscope) to observe the light source. It may damage your eyes.



NO

Discontinue use of the device if scalp itching or tingling occurs and lasts more than one hour after completion of a session. If the problem continues for more than one hour after the session, discontinue use and consult with a physician.



NO

Warnings and precautions

Do not put tension on the cord while handling, untangle or straighten the cord. The tension may break the cord, which could result in a malfunction or electrical hazard.



NO

Do not allow the helmet or controller to come into contact with water while in use. This could cause the product to malfunction.



NO

Do not place the device or controller where it can fall or be pulled into a sink or a tub. This could cause the product to malfunction.



NO

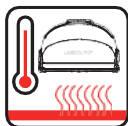
Never use the device while sitting in the bathtub or swimming pool. This could cause the product to malfunction.



NO

Warnings and precautions

Always keep the helmet or controller away from hot or heated surfaces such as radiators, stoves, ovens or room heaters. If the helmet or remote control makes contact with a hot or heated surface, it can cause the product to malfunction.



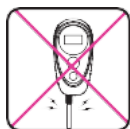
NO

Do not use the device when your hair is wet from showering, swimming or bathing etc. Towel dry your hair before use. Wet hair may result in the product to malfunction or preventing the laser light from being delivered to the scalp.



NO

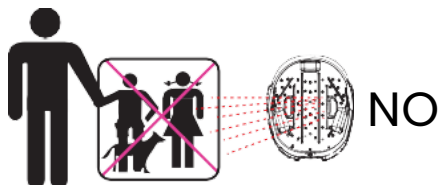
Do not operate the device if it has a damaged cord, controller, or helmet. If you notice damages to the above, please contact Mito Red Light.



NO

Warnings and precautions

Keep the lasers and device out of reach of children and pets. The laser light may cause harm or injury to your children and pets if they look directly at the laser light.



Please turn off the power before cleaning the device, otherwise the product may become damaged



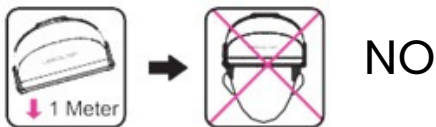
YES

Only use the device according to the instructions provided. The device is for scalp and hair follicle health and for use on the scalp only.



Warnings and precautions













Avoid dropping the device, as this may cause the device to malfunction and become damaged. If you drop the device or suspect device malfunction (e.g. device exterior cracks, lasers do not light up, or the device does not turn on), contact Mito Red Light to request repair or replacement.













WARNING: DO NOT LOOK DIRECTLY AT ANY OF THE LIGHT-EMITTERS INSIDE THE DEVICE.


Indications of use

The LED/Laser is indicated to promote hair growth in males with androgenetic alopecia who have Hamilton-Norwood Classifications of IIa-V and females with androgenetic alopecia who have Ludwig-Savin Classifications of I-II and Fitzpatrick Classification of Skin Phototypes I to IV. All users should have Fitzpatrick Skin Types I to IV.

Norwood-Hamilton Scale (male)			
 I	 II	 IIa	 III
 IIIa	 III-vertex	 IV	 IVa
 V	 Va	 VI	 VII

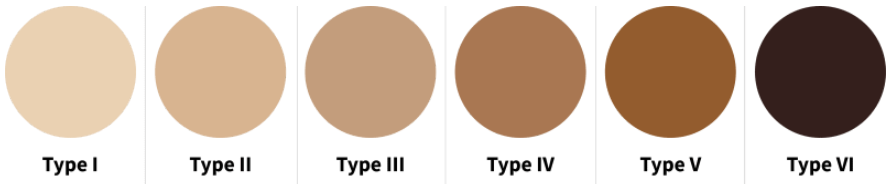
 The device is indicated for males who have Norwood-Hamilton Classifications of Class IIa to V.

Ludwig-savin Scale (female)				
 I-1	 I-2	 I-3	 I-4	
 II-1	 II-2	 III	 Advanced	 Frontal

 The device is indicated for females who have Ludwig-Savin Classifications of Class I to II.

Indications of use

The device is indicated for males and females who have Fitzpatrick Skin Types I to IV.



Type I: Highly sun-sensitive, always burns, never tans (e.g. pale, freckled or white skin)

Type II: Very sun-sensitive, burns easily, rarely tans (e.g. fair skin)

Type III: Sun-sensitive, sometimes burns, sometimes tans (e.g. light brown or olive skin)

Type IV: Minimally sun-sensitive, burns minimally, tans easily (e.g. brown skin)

The device is not indicated for males and females who have Fitzpatrick Skin Types V or VI.

Type V: Sun-insensitive, rarely burns, always tans (e.g. dark brown skin)

Type VI: Sun-insensitive, never burns, always tans darkly (e.g. black skin)

Component introduction

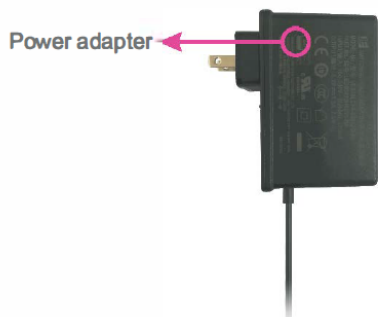
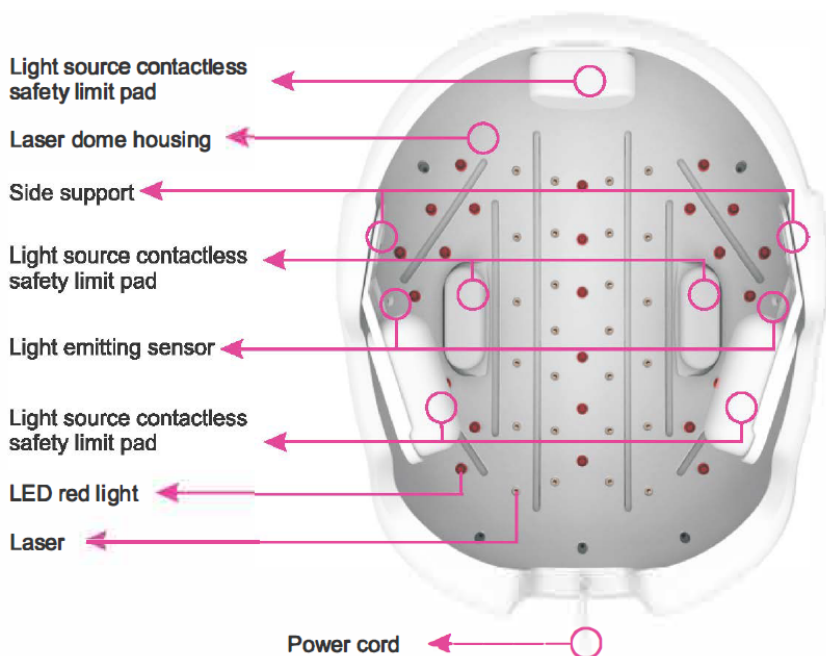
What's included

LED Helmet	1
Power Adapter	1
Controller	1
User Manual	1

Schematic diagram of the LED helmet



Component introduction



How to use

WARNING: The helmet has an infrared sensing function. It will not work normally unless the helmet is worn correctly on the head. If the helmet is removed from the head or not situated properly on the head, it will automatically stop working until it is properly repositioned on the head.

Preparation

Remove the device from the packaging.

Step 1 - Position

Position the device on your head in a comfortable position.



Step 2 - Power on

Plug the interface end of the power adapter into the interface of the remote controller of helmet, then plug the power adapter into the socket. You will hear a beep sound which indicates that the power has been successfully electrified.



How to use

Step 3 – Turn on

Hold the "ON/OFF" button for 3 seconds to start the machine.

Note: If not pressed within one minute the "START/PAUSE" button, the helmet will automatically shut down.



Step 4 – Use the device

Press the "START/PAUSE" button to begin the 25-minute countdown, a "beep" sound indicates the session has started. Once the session is completed, the device will turn off automatically after "beep" sound.



WARNING: DO NOT LOOK DIRECTLY AT ANY OF THE LIGHT-EMITTERS INSIDE THE DEVICE.

How to use

Step 5 - Pause

If you need to pause the session at any time, press the "START/PAUSE" button and the timer will flash and the device will pause.

Press the "START/PAUSE" button to resume the session. A "beep" sound will indicate the session has resumed.



If the "START/PAUSE" button is not pressed within 5 minutes during a paused session, the device will turn off automatically.

Step 6 - Turn off

1. After using 25 minutes, the device will "beep" and then turn off automatically.
2. After the device is powered on, if the "Start/Pause" button is not pressed for more than 1 minute, the device will shut down automatically.
3. To turn off the device, hold the "ON/OFF" button for 3 seconds. Disconnect the power adapter from the remote controller.
4. Take off the hair growth device and place it on a horizontal surface so that the inner surface is facing downward.
5. Unplug the power adapter from the electrical power outlet. Because of the remaining capacitance (remaining power), the display on the controller might stay on, it will automatically shut down after a few seconds.

Session recommendations

It is recommended that you use the laser/LED device for 25 minutes every other day for 16 weeks. After 16 weeks you may wish to continue using the device for 25 minutes every other day according to your own goals.



**WARNING: DO NOT LOOK DIRECTLY AT ANY OF
THE LIGHT-EMITTERS INSIDE THE DEVICE.**

Cleaning and storage

- Gently clean the product before each use and keep the product off.
- First wipe the helmet surfaces with a clean cloth lightly dampened with clean water. Inspect the surfaces thoroughly for any remaining visible contaminants, and repeat wiping if necessary until no visible contaminants remain.
- Allow to air dry. Then wipe the helmet surfaces with a clean cloth dampened with 70% ethanol or 70% isopropyl alcohol.
- Allow contact time of 1 minute and then allow to air dry.
- Do not use the device unless it is completely dry.
- If the product is not used for a long time, pay attention to moisture and dust: power on once every 3 months and charge once every 6 months to avoid moisture aging and damage of internal components.

Keep the device away from sunlight and store the device in a dry location (e.g. away from windows, sinks, bathtubs, kitchens, and bathrooms) at around room temperature after each use.

- Storage & Transportation Temp $-30^{\circ}\text{C} \sim 60^{\circ}\text{C}$ ($-22^{\circ}\text{F} \sim 140^{\circ}\text{F}$)
- Storage & Transportation Humidity 10% ~ 95%RH
- Storage & Transportation Pressure 500 ~ 1060 hPa



Warning: If the product is taken out of the highest or lowest storage environment and placed in a room temperature environment it can be used normally only after standing for at least 1 hour.



Troubleshooting

My device is powered on but pressing "START/PAUSE" button does not active the device

The lasers and lights will not power on unless the electronic sensor detects that the device is positioned on the users head. This is a built-in safety feature to protect the eyes from direct laser light exposure.

Device is not powering on

- Check if the plug socket is loose;
- Check if the power cord is in good contact with the remote control;
- Make sure the helmet is properly positioned on the head;
- Check whether the device is set in a paused state.

Product specifications

Model	Therapy Helmet
Number of Laser diodes	26
Laser Wavelength	650-660nm
Laser Power for Classification	<5mW per light output point, Laser Class 3R
Number of LED diodes	30
Red light LED Wavelength	640-660nm
Laser/LED light emitting mode	Continuous light
Electrical Current	800±100 mA
Size	(L)251mmx(W)208mmx(H)133mm
Net Weight	625g

Electromagnetic compatibility complies with IEC 60601-1-2 Standard



BF symbol, which indicates this device is in accordance to the degree of protecting against electric shock for type BF equipment



Dispose of the device in accordance with the directive 2002/96/EC-WEEE (Waste Electrical and Electronic Equipment).

LASER WARNING LABEL

Dongguan Lescolton Intelligent
Electrical Appliance Co., Ltd





Warranty

The Mito Red Light LED/Laser Helmet has a one year warranty.

The warranty is 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.

www.mitoredlight.com

User Manual and Instructional Videos

This user manual can be found here:

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

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