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EMR-TEK Firefly

EMR-TEK Firefly Portable Red Light Therapy Device User Manual

MODEL: FIREFLY

Official instructions for safe and effective use.

1. Introduction

The EMR-TEK Firefly is a portable red and near-infrared light therapy device designed for targeted application on the face and body. It utilizes advanced COB (Chip-On-Board) technology, providing a compact, high-intensity, and precise light experience. This device is fully cordless and battery-powered, minimizing electromagnetic field (EMF) exposure and ensuring a flicker-free, stable light output for consistent use at home or while traveling.

This manual provides essential information for the proper setup, operation, and maintenance of your Firefly device. Please read it thoroughly before first use.

2. Product Features

- **First Battery-Powered COB Red & Near-Infrared Device:** Combines red and near-infrared light with COB technology for compact, high-intensity, and precise portable use.
- **Fully Cordless & EMF-Minimized:** Operates entirely on battery power, disconnected from the A/C grid, to reduce flicker and electromagnetic exposure.
- **Targeted & Precise Coverage:** Red light (630nm, 670nm) supports skin health and elasticity, while near-infrared light (830nm) penetrates deeper for muscles and joints.
- **Handheld & Portable Design:** Lightweight and travel-ready for convenient use anywhere.
- **Professional-Grade At-Home Use:** Advanced COB LED drivers ensure consistent, efficient light output.

EMR-TEK[®]

Firefly Red and Near Infrared Light



Truly Cordless

Built-in rechargeable battery (USB-C) for on-the-go use



COB Technology

25 x 3W diodes densely packed into a 1-inch array, paired with a 30° cone-shaped lens for optimal light concentration and retention



Flicker-Free + Zero EMF

Delivers clean, stable light without being connected to the A/C power grid

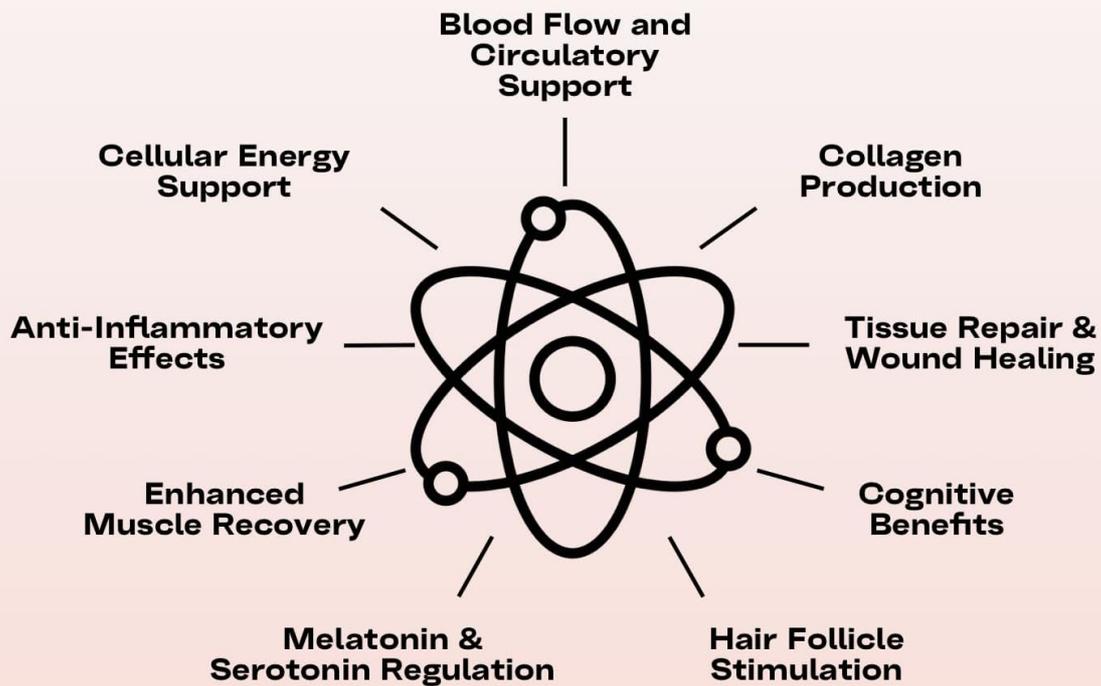


Luxury Travel Case

Compact, rugged, water-resistant design ideal for travel and daily use

Figure 1: EMR-TEK Firefly Portable Red Light Therapy Device.

Benefits of red and near-red (NIR) light therapy



These statements have not been evaluated by the Food and Drug Administration.
This product is not intended to diagnose, treat, cure or prevent any disease.

Figure 2: The Firefly device shown with its included travel case.

3. Package Contents

Verify that all items are present in your EMR-TEK Firefly package:

- EMR-TEK Firefly Device
- Luxury Travel Case
- Power Adapter (USB-C)
- User Manual (this document)
- Protective Eyewear (sunglasses)

Luxury Travel Case included



Figure 3: The durable luxury travel case included with the Firefly device.

4. Setup

1. **Unpack:** Carefully remove the Firefly device and all accessories from the packaging.
2. **Charge:** Before first use, fully charge the device using the provided USB-C power adapter. The charging indicator will show when charging is complete.
3. **Position:** Place the device on a stable, flat surface or use the integrated stand to direct the light towards the desired treatment area. Ensure adequate ventilation around the device.

5. Operating Instructions

The Firefly device offers both Red Light (LED) and Near-Infrared (COB) modes, along with adjustable treatment times.

1. **Power On:** Press and hold the power button on the device until the display illuminates.
2. **Select Mode:**
 - Press the **LED** button to activate the Red Light (630nm & 670nm) diodes.
 - Press the **COB** button to activate the Near-Infrared Light (830nm) COB diode.
 - You can use both modes simultaneously for a full spectrum treatment.
3. **Set Timer:** Use the Up (▲) and Down (▼) arrow buttons to adjust the treatment duration. Recommended starting time is 5 minutes, gradually increasing to 10-20 minutes per session.

4. **Begin Treatment:** Position the device 12-24 inches from the target area. For facial use, maintain a distance of 18-24 inches and use LED mode only.
5. **Power Off:** The device will automatically turn off after the set time. To manually turn off, press and hold the power button.

Recommended Usage: Use 5 times per week for optimal results.

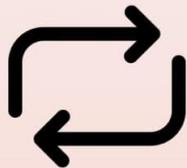
HOW TO USE



Position the device
12–24 inches from
the target area



Start with 5 minutes
on LED only



Use 5 times per
week for optimal
results



For facial use, stick with
LED mode only at
18–24 inches

Figure 4: Visual guide for device positioning, duration, and frequency of use.

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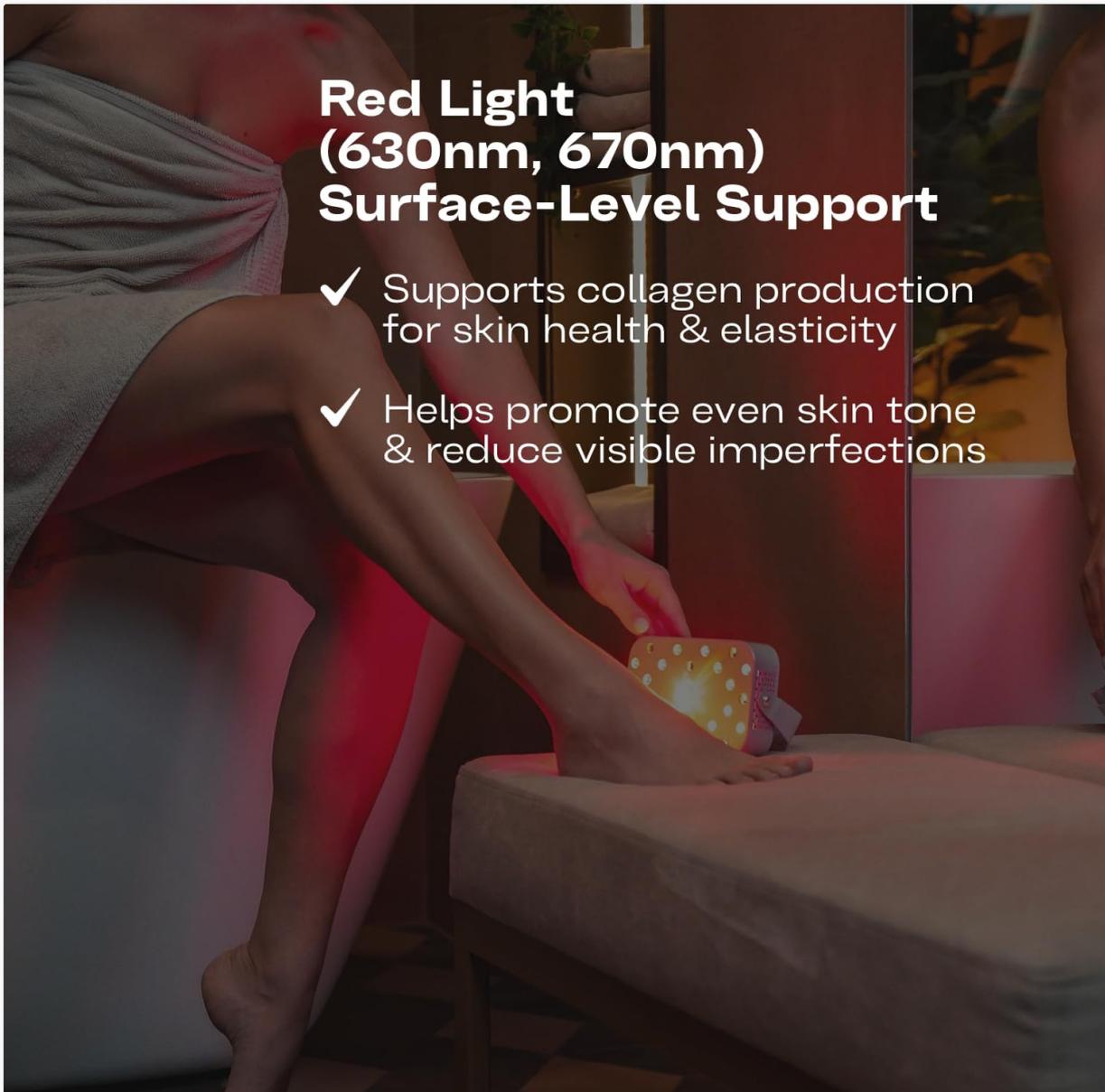
Video 1: An official demonstration of the Firefly Portable Red Light Therapy device, showcasing its features and ease of use.

6. Wavelengths and Benefits

The EMR-TEK Firefly utilizes specific wavelengths of light to provide targeted benefits:

- **Red Light (630nm & 670nm) - Surface-Level Support:**
 - Supports collagen production for skin health & elasticity.
 - Helps promote even skin tone & reduce visible imperfections.
- **Near-Infrared Light (830nm) - Deep Tissue & Energy Support:**
 - Penetrates deep into muscles & joints for optimized recovery.

- Supports energy production at the cellular level.



Red Light (630nm, 670nm) Surface-Level Support

- ✓ Supports collagen production for skin health & elasticity
- ✓ Helps promote even skin tone & reduce visible imperfections

Figure 5: Red light (630nm, 670nm) application for surface-level skin support.

Near-Infrared Light (830nm) Deep Tissue & Energy Support

- ✓ Penetrates deep into muscles & joints for optimized recovery
- ✓ Supports energy production at the cellular level



Figure 6: Near-infrared light (830nm) application for deeper tissue support.

7. Safety Information

- Always wear the provided protective eyewear during operation to shield your eyes from intense light.
- Do not stare directly into the light source.
- Ensure the device is placed on a stable surface and that ventilation openings are not blocked to prevent overheating.
- Keep the device dry and away from water.
- Do not use on broken or irritated skin. Consult a healthcare professional if you have any concerns or pre-existing medical conditions.
- This product is not intended to diagnose, treat, cure, or prevent any disease or health condition.

8. Maintenance

- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or immerse in water.
- **Storage:** Store the device in its travel case in a cool, dry place when not in use.
- **Battery Care:** For optimal battery life, avoid fully discharging the device frequently. Charge regularly.

9. Troubleshooting

- **Device not turning on:** Ensure the device is fully charged. Check the power adapter connection.
- **Some lights not visible:** Near-infrared (830nm) lights are not visible to the naked eye. This is normal operation.
- **Overheating:** Ensure ventilation openings are clear. Discontinue use if the device becomes excessively hot.

For further assistance, please contact EMR-TEK customer support.

10. Specifications

Feature	Detail
Model	Firefly
Wavelengths	Red (630nm, 670nm), Near-Infrared (830nm)
Technology	COB (Chip-On-Board)
Power Source	Battery-powered, Cordless (USB-C charging)
Flicker	Flicker-Free
Dimensions	12.2 x 7.91 x 3.86 inches
Weight	1.4 Pounds
Manufacturer	EMR-TEK

11. Warranty and Support

For warranty information, product support, or any inquiries, please contact EMR-TEK directly:

- **Email:** emrprotectionservices@gmail.com
- **Website:** www.emr-tek.com

Please retain your proof of purchase for warranty claims.