



Diesel Torch

The Diesel Torch uses a combo of blue (450nm), red (620nm + 670nm), and Near Infrared (810nm + 810nm)).

User Manual + Set Up Guide

Table of Contents

What's In the Box? & Product Specs	3
Device Set Up & Directions	5
General Dosing Instructions	7
FAQ's	8

Revision History	
Date	Description of changes
January 2024	New Layout

Whats in the Box? & Product Specs

Whats Inside

1. 1 LED Torch
2. 1 Intra-oral attachment
3. 1 Glass Moon attachment
4. 1 Type C cable and stand
5. 1 Protective sunglasses

Technical Specifications

Rating Power	15W
Actual Output	5W
Product Size	D: 1.2 inches, L: 6.7 inches
LED Quantity	5 LEDs
Wavelength	450nm 620nm 670nm 810nm 810nm
Material	Aluminum for the torch body Glass for the attachment
Color	Black and Gray
Battery	Rechargeable Lithium Battery 18650
Irradiance 0 in. in RED NIR	120 mw/cm ²
EMF	OUT at 0 inch (SAFE)
Timer	6 Minutes
Bump Sound	Yes
Lifespan	50,000 Hours

Whats in the Box? & Product Specs

Benefits

1. Relief of muscle and joint pain, arthritis and muscle spasm, relieving stiffness, promoting relaxation of muscle tissue.
2. Promotes circulation
3. Reduces inflammation
4. Stimulates collagen production
5. Reduces breakouts by killing acne-causing bacteria

Red light:

{620 and 670) penetrates just beyond skin deep and is ideal for healing superficial issues such as cuts and scrapes, skin issues such as acne, eczema, psoriasis, and increasing blood flow and oxygen.

Near infrared:

(810) penetrates much deeper into the body as thus is ideal for muscles, joints, lymph nodes, bone, and brain.

Blue:

(450) is very superficial but has the ability to kill bacteria, fungus, and other surface pathogens. This makes it ideal for acne, skin infections, cuts and scrapes. Newer research has shown benefit for hair loss.

Device Set up & Directions

Directions For Use

Hold the torch over the treatment area at a distance anywhere from touching the skin to 1 inch away from the skin. Hold the unit on the treatment area for 3 minutes.

1. Charge using the stand. Charge initially and then when 25% battery life is remaining. Charge time is 3 hours. Usage time is 2 hours.
2. Do not keep the device ON for more than 6 minutes at a time. If you want to treat several parts of your body consecutively, TURN OFF the device for at least 1 MINUTE after every 6 minutes ON. This will keep the unit from overheating. (For meridian points, use on red and NIR for 20-.30 seconds per point. Use pulsing as well).
3. **Select options:**
 - For dogs and cats, follow the same directions, but try to part the hair to have better access to the skin. Hair will slow absorption. Darker hair will absorb more energy than lighter hair and may become uncomfortably warm. If this is a concern, move the torch around the area to allow cooling.
 - **Press the power button once quickly**, then:
 - Press button and only red (620nm + 670nm) will be on;
 - Press again and red {620nm-t 670nm) and NIR (810nm +810nm} will be on;
 - Press again and blue {450nm), red (620+ 670nm), and NIR (810nm + 810nm J will be on;
 - Press again to turn off.
 - **For Pulsing**, select the wavelength mode first, then hold the ON button for 5 seconds. Pulsing is 10hz {10 pulses per second}.

Device Set up & Directions



4. Adjust the torch to 90 degrees by twisting the lighted end of torch as the arrow indicates. This allows for easier reach to certain body part.



Intraoral Tip:

This is ideal for inside the mouth, nose, and ears.

1. Unscrew the round ring from the lighted torch end.
2. Screw on Tip.

Glass Moon

This is ideal for using slight pressure against the skin. The pressure will blanch the tissue and allow deeper penetration of the light.

1. Unscrew the round ring from the lighted torch end.
2. Screw on the glass moon.

General Dosing Instructions

Important Information Regarding dosing

For skin issues:

We want between 6J to roughly 15J per area. So optimal treatment times with the lights are 5 minutes per area (if the light is 3 inches away).

For deeper issues (muscle, bone, brain, organs, glands, fat, etc.):

we want around 10-60J per area, so optimal treatment times and treatment distances are 10 minutes per area if the light is 3 inches away. 15 minutes per area if 6 inches away.

Measurements are based on a goal of 6 Joules to the target tissue. Some research shows less Joules is ideal, so use these numbers as a maximum time. The power (irradiance), and thus the correct time is measured by a laser meter which is very accurate. "Time" is broken down by both distance of device from the skin (surface, 1 in., 6 in., 18 in., etc.) and by penetration goal (do you want just skin benefit or deeper for muscle, bone, brain). Significantly more energy, and thus time, is needed for deeper penetration compared to skin level. These numbers are estimates as many factors can affect exact penetration, so use these numbers as a guide. Always start slow (20% of max time) and slowly build up to the maximum time.

Red NIR Mode 2 (press ON button twice)												Red / Blue / NIR Mode 3 (press ON button once)											
With Tip						Without Tip						With Tip						Without Tip					
Distance from Skin						Distance from Skin						Distance from Skin						Distance from Skin					
Surface	1 inch		3 inch		n/a	Surface	1 inch		3 inch		n/a	Surface	1 inch		3 inch		n/a	Surface	1 inch		3 inch		n/a
Penetration	Penetration		Penetration		n/a	Penetration	Penetration		Penetration		n/a	Penetration	Penetration		Penetration		n/a	Penetration	Penetration		Penetration		n/a
Skin	Deep	Skin	Deep	Skin	Deep	Skin	Deep	Skin	Deep	Skin	Deep	Skin	Deep	Skin	Deep	Skin	Deep	Skin	Deep	Skin	Deep	Skin	Deep
50 sec	4 min	60 sec	5 min	140 sec	n/a	30 sec	3 min	40 sec	4 min	90 sec	8 min	40 sec	4 min	50 sec	5 min	120 sec	n/a	30 sec	3 min	40 sec	4 min	70 sec	8 min

Q1. Can I wear clothes when using the panel?

It's important to have clean, bare skin wherever the light is being used. Clothes, makeup, lotions, oils, etc. Will block and deflect some or most of the light.

Q2. How long do I use it per day?

It is important to always start slow, 2 minutes per area, and then you can add 1 minute until you reach the desired time. It's best to skip a day in between sessions initially. As long as you are feeling well, you can use it every day.

Q3. Should I wear goggles?

Do not look directly into the light. Light therapy has shown positive results for eye health, however, if the light is too bright or bothersome, please wear goggles.

Q4. Does the panel work while charging?

Yes

Caution

- Never look directly into the light.
- Ensure skin is clean and free of lotions, creams, make-up.
- Not intended for the use by children and pregnant women.
- Don't stare directly at the light. Use protective glasses while using the device.
- This device is not waterproof. Do not submerge the torch or its components in water.
- Do not use on pulse setting if you have photoinduced sensitivities such as headaches, dizziness, or epilepsy.
- Do not use device If your skin is light sensitive or you are currently using medication or undergoing treatment that may cause sensitivity of skin to light.