

UNDERSTANDING HEAT, POWER & TECHNOLOGY

Quick Guide for Professional Home-Use Cold Laser Therapy

1. THE SCIENCE OF "COLD" LASER HEAT

● Cold Laser $\neq$ Cold to the Touch

PART 1

Cold Laser $\neq$ Cold to the Touch

Why the name can be misunderstood



1 "Cold laser" is a term that often causes confusion. It does not mean the device must feel cold. It refers to the type of light used—not the temperature of the device.

Cold / Soft Laser	VS	Hot / Surgical Laser
		
Gentle • Non-ablative Therapeutic Light (For Healing & Support)		High Heat • Ablative Used for Cutting (Not for Therapy)

1 **It's About the Light, Not the Temperature**
Cold laser uses low-level red and near-infrared light that works at the cellular level to support natural healing. The light is gentle and non-damaging—unlike surgical lasers.

2 **A Little Warmth Is Normal**
You may feel slight warmth during use, especially on thicker fur or sensitive areas. This is normal and simply means the light energy is being delivered.

3 **Not a Cutting or Burning Laser**
Our device is a low-level therapy laser. It does not cut, burn, or damage tissue. There is no smoke, no pain, and no recovery time—just gentle support.

4 **Designed for Safe, Everyday Use**
Safe for pets and people when used as directed. It's a non-invasive, drug-free way to support comfort, mobility, and overall wellness.

✓ "Cold laser" refers to a gentle therapeutic laser class—not a promise that the device will stay cold to the touch. A little warmth is normal. Powerful support is the goal.

🐾 Gentle Light. Real Support. For the Ones We Love. 🐾

In medical terminology, "**Cold Laser**" (or Soft Laser) simply means the light spectrum is **non-thermal and non-invasive**. Unlike surgical lasers, it will never cut or burn living tissue. However, the device itself will naturally feel warm during use.

⚡ Energy Conversion & The Clinic Illusion

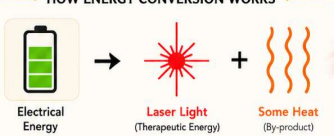
Physics of Power: To deliver results, the device converts high-density electrical energy into therapeutic light. Physical heat is a natural, unavoidable byproduct of this conversion process.

PART 2

Warmth Is Normal

Why a home-use laser device may feel warm

HOW ENERGY CONVERSION WORKS



This device converts electrical energy into therapeutic laser light. By the laws of physics, some heat is naturally produced during this process.

1. **ENERGY CONVERSION**
The device transforms electrical energy from the battery into highly focused laser light for therapeutic use.

2. **HEAT IS INEVITABLE**
By basic physics, no energy conversion is 100% efficient. A small portion becomes heat—this is completely normal.

3. **HIGHER OUTPUT, MORE CONVERSION**
Higher power settings deliver more therapeutic energy—and may produce more noticeable warmth.

4. **LONGER USE, MORE NOTICEABLE**
Extended sessions or continuous mode give the device more time to convert energy, so warmth may feel stronger.

WHY WARMTH CAN BE MORE NOTICEABLE



Longer Sessions
More time = more energy conversion, which can lead to more warmth.

Continuous Mode
Steady output generates consistent energy, increasing heat over time.

Higher Power Levels
More power delivers more light to target tissues and can create more noticeable warmth.

🐾 Warmth typically dissipates quickly after use as the device cools down.

✓ **WARMTH IS A NORMAL BY-PRODUCT OF ENERGY CONVERSION—NOT NECESSARILY A DEFECT.**

The device is engineered with built-in venting and safety protections to ensure safe, comfortable use when used as directed.

TIP: Use on clean, dry skin and move the device slowly. This helps ensure comfort and optimal results.

Safe. Gentle. Effective.
Because your pet deserves the best.

To deliver multi-layered deep tissue penetration, our device features a premium matrix of **25 professional laser diodes** delivering a robust **1,880mW output power**:

16 x 650nm Diodes (Surface Skin Tissue):
Stimulates surface-level cells, promotes hair/fur regrowth, accelerates wound healing, and manages superficial inflammation.

5 x 808nm Diodes (Deep Muscle Tissue):
Stimulates deep muscle fibers and connective tissues, accelerating ATP production and cell repair to reduce deep inflammation.

4 x 980nm Diodes (Deep Joint & Pain Relief):
Targets deep nerve ends and cartilage to block pain signals, eliminate swelling, and improve deep microcirculation.

Why Clinic Lasers Feel Different: Large Class 4 clinical machines cost up to \$100,000+ and charge around \$300 per session. Because they have massive chassis space, they utilize long **fiber-optic cables** to isolate the heat-generating laser source away from the treatment probe.

Our Philosophy: To provide clinic-level relief at home and save you expensive vet fees, we packed high-performance power into a handheld size. Because it is compact, the energy conversion is naturally felt as warmth in your hand.

2. THE TECHNOLOGY OF TRI-WAVELENGTH & HIGH-POWER

PART 3

Why Big Clinic Lasers Feel Different

Large Class 4 systems vs. compact home devices

LARGE CLINIC LASER (CLASS 4)
Generator is Separate from Probe

- Power Generator**
High-power laser source stays inside the large machine body.
- Heat Stays Inside**
Cooling systems dissipate heat within the unit—far from the probe.
- Fiber Cable Connection**
Energy travels through a long fiber cable to the handpiece.
- Probe Stays Cool**
Only the light reaches the probe tip, so it remains cool to the touch during use.

Because the heat is managed inside the large machine, the handpiece stays cool, even at high power levels.

COMPACT HOME DEVICE (CLASS 3B)
Everything is Integrated

- Integrated Laser Source**
The laser engine is built inside the device head.
- All-in-One Design**
Battery, control system, and circuitry are all built into the handle.
- Heat Near the Head**
Some heat is naturally felt near the output head during use.
- Normal & Safe**
Slight warmth is part of delivering therapeutic light energy safely.

Because everything is compact and integrated, a gentle warmth near the head is normal, safe, and part of effective performance.

VS

THE TAKEAWAY
Big clinic systems keep heat away from the probe. Compact home devices integrate everything into one handheld unit. A little warmth near the head is normal, safe, and how therapeutic light energy is delivered.

PART 4

Designed for Pets with Thick Fur

Why power and wavelength matter

Thick fur is beautiful—but it absorbs and scatters light. That's why this device combines higher power with triple wavelengths to reach deeper, target exactly where it matters, and deliver noticeable results.

DEEP PENETRATION THROUGH LAYERS

Stronger power helps the light overcome absorption and scatter from fur and tissue—delivering therapeutic energy deep where pets need it most.

TRIPLE-WAVELENGTH DESIGN

16 pcs × 650nm Red Light
Targets epidermis & superficial skin layer.
Supports skin recovery, healthy coat, and hair growth.
Helps soothe surface irritation and supports inflammation care.

5 pcs × 808nm Near-Infrared
Reaches deeper cells & mitochondria.
Triggers photobiomodulation (PBM) to support natural cellular repair.
Enhances ATP-related cellular activity for energy, repair, and faster recovery.

4 pcs × 980nm Deep Near-Infrared
Penetrates deeper nerves & microcirculation.
Supports comfort, circulation, and nutrient delivery to deep tissues.
Aids in deep tissue inflammation management and long-term wellness.

Wavelength determines how deep light CAN go.
Power determines how much **USABLE** light energy actually gets there after fur and tissue absorption.

WHY POWER MATTERS

LOW POWER
Much of the light is lost in fur and surface tissues.

HIGHER POWER (This Device)
Stronger energy penetrates through fur and deeper tissues for real results.

Deeper penetration
More therapeutic energy delivered
Faster recovery
Better comfort
Visible results

PRO TIP: Use the highest comfortable power level for your pet and treat consistently. Real change happens deep—where this device is built to deliver.

Science. Power. Care. For the pets we love.

Why Power Matters for Pets

While **wavelength** dictates *how deep* the laser can go, **power** dictates *how many photons* actually reach that depth.

Animal fur, skin, and fat intensely scatter and absorb laser light. A low-power device (e.g., 100mW) will lose almost all its photons at the skin surface. Our 1,880mW high-output density ensures enough photons survive the "layer-by-layer attenuation" to penetrate **3–5 cm deep** into the actual joints and muscles of **large breed dogs and horses**.

Tested It on Your Own Skin?

It is completely natural to test the device on yourself first! However, **human skin is much thinner, more sensitive, and lacks a thick fur barrier**. The concentrated warmth you feel on your skin is the exact, necessary energy required to successfully punch through a pet's dense coat and safely reach their aching joints.

3. PRO-TIPS TO CUSTOMIZE YOUR COMFORT

If you or your pet prefer a cooler experience, use these 5 quick hardware adjustments:

1. Use an AC Room in Summer: Run your sessions in an air-conditioned room. A cool ambient temperature naturally helps manage the hardware's internal hardware temperature.

2. Snap on the Protective Cover: Always keep the included cover attached. It acts as an engineered thermal shield to significantly reduce direct heat transfer to the skin.

3. Utilize Pulse Mode: Switching from Continuous to Pulse Mode cuts heat generation by **about 40%** without losing any therapeutic efficacy.

4. Lower to Level 2 for Self-Tests: When testing on your own thin skin, drop the setting from Level 3 to Level 2 to instantly lower the temperature.

5. Glide and Move Slowly: Move the device slowly and continuously over the treatment area rather than holding it static. This helps the skin smoothly adapt to the gradual temperature rise.



OPTIMAL TREATMENT PROTOCOL

Session Duration: Limit sessions to **15–20 minutes** per specific area. This respects the biological cellular saturation point and ensures optimal therapeutic efficacy.

Hair Removal for Best Results: For pets with exceptionally thick, long, or dense coats, we **highly suggest trimming or shaving the hair** in the target treatment area. This allows the laser beams to contact the skin directly, maximizing photon penetration for the best curative results while completely avoiding any accidental hair singeing or burning from concentrated energy.

Treating Multiple Areas: If you are treating multiple spots on your pet (or treating more than one pet) in a single day, **we highly recommend allowing a 5–10 minute break between each area** to let the high-power hardware cool down. Pro-Tip: Doing this in an air-conditioned room during summer months will dramatically help manage the device's temperature.

Rest Interval: Maintain a strict **4-hour rest interval** between complete sessions to allow your pet's biological tissues to fully process and absorb the laser energy.

We are honored to be a part of your pet's wellness journey. Wishing your furry family member a comfortable and speedy recovery!

— Bill & The Team