



[Manuals.plus](#) /

› [FIGERM](#) /

› FIGERM Cold Laser Therapy System User Manual

FIGERM Cold Laser Therapy System

FIGERM Cold Laser Therapy System User Manual

Model: Cold Laser Therapy System (ASIN: B0DBQW79P)



1. INTRODUCTION

This manual provides essential instructions for the safe and effective operation, setup, and maintenance of your FIGERM Cold Laser Therapy System. This device is designed for both veterinary and human applications, utilizing high-power red and near-infrared light at wavelengths of 635nm, 810nm, and 980nm for various therapeutic purposes.

Please read this manual thoroughly before using the device and retain it for future reference.



Figure 1: Overview of the FIGERM Cold Laser Therapy System components.

2. SAFETY INSTRUCTIONS

WARNING: This device emits high-power laser radiation. Direct exposure to the laser beam can cause eye damage. Always wear appropriate protective goggles during operation.

- Always wear the provided laser safety goggles when the device is in operation. Ensure all individuals in the treatment area also wear protective eyewear.
- Never point the laser directly at eyes or reflective surfaces.
- Keep the device out of reach of children and unauthorized personnel.
- Ensure the emergency stop switch is easily accessible during operation. In case of an emergency, press the switch immediately to cut power.
- Do not operate the device in the presence of flammable materials or explosive atmospheres.
- Perform a self-check at startup to ensure proper functioning.
- Consult a healthcare professional or veterinarian before using this device for specific conditions.

3. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 1x Cold Laser Therapy System Main Unit
- 1x Fiber Optic Cable with Handpiece
- 1x Hand Piece with Bended Head (5mm diameter)
- 1x Hand Piece with Non-contact Cone (30mm diameter)
- 1x Hand Piece with Medium Ball (30mm diameter)
- 2x Safety Goggles for Human Use
- 3x Safety Goggles for Animal Use
- 1x Carrying Case
- 1x Lanyard for Handpiece
- 1x Power Cable
- 1x Remote Interlock Connector (Green)
- 5x Spare Fuses



Figure 2: Visual representation of included components.

4. PRODUCT OVERVIEW AND COMPONENTS

Familiarize yourself with the main components of the laser therapy system:

Detailed Insights

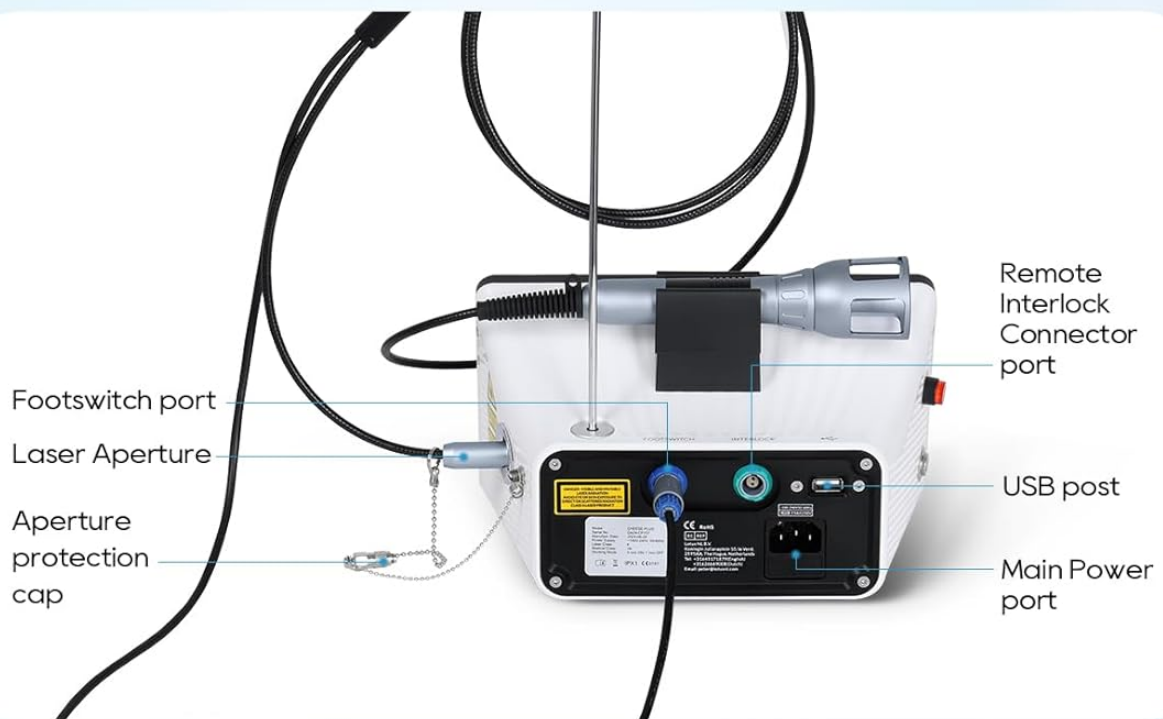
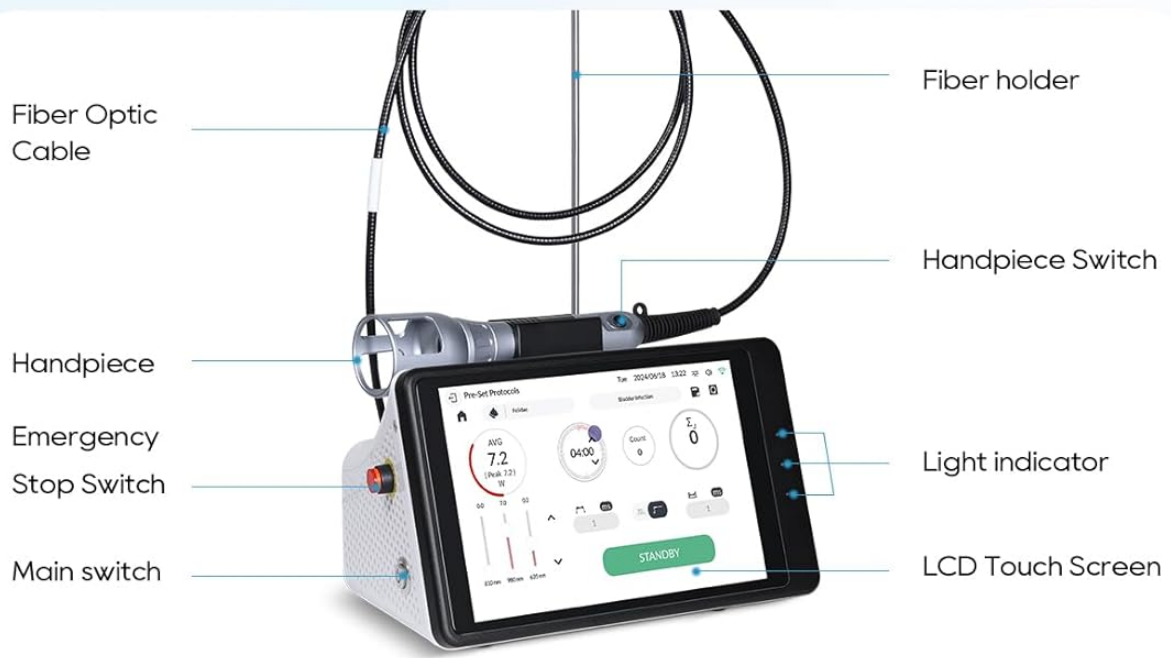


Figure 3: Detailed view of the system's front and rear components.

- **Fiber Optic Cable:** Transmits laser light from the main unit to the handpiece.
- **Handpiece:** The part held during treatment, where treatment heads attach.
- **Handpiece Switch:** Activates/deactivates laser emission from the handpiece.
- **Emergency Stop Switch:** Immediately cuts power to the laser in an emergency.
- **Main Switch:** Powers the entire unit on or off.
- **Light Indicator:** Provides status feedback (e.g., standby, active).
- **LCD Touch Screen:** User interface for settings, program selection, and monitoring.

- **Footswitch Port:** Connection for an optional footswitch to control laser emission.
- **Laser Aperture:** The opening from which the laser beam exits the main unit.
- **Aperture Protection Cap:** Covers the laser aperture when not in use.
- **Remote Interlock Connector Port:** For connecting safety interlock devices.
- **USB Port:** For potential software updates or data transfer.
- **Main Power Port:** Connects the power cable to the unit.

5. SETUP GUIDE

1. **Unpack:** Carefully remove all components from the carrying case.
2. **Placement:** Place the main unit on a stable, flat surface in a well-ventilated area.
3. **Connect Fiber Optic Cable:** Securely attach the fiber optic cable to the laser aperture on the main unit. Ensure the connection is firm.
4. **Attach Handpiece:** Connect the handpiece to the fiber optic cable.
5. **Attach Treatment Head:** Select the appropriate treatment head for your application and securely attach it to the handpiece.
6. **Power Connection:** Connect the power cable to the main power port on the unit, then plug it into a grounded electrical outlet.
7. **Remote Interlock (Optional):** If using a remote interlock system, connect it to the remote interlock connector port.
8. **Safety Goggles:** Ensure all users and individuals in the treatment area wear the provided laser safety goggles before powering on the device.

6. OPERATING INSTRUCTIONS

6.1 Powering On/Off

1. **Power On:** Press the main switch to turn on the device. The LCD touch screen will illuminate, and the system will perform a self-check.
2. **Power Off:** Press the main switch again to turn off the device.

6.2 Navigating the LCD Touch Screen

The color LCD touch screen provides intuitive control over the system's functions. Use gentle touches to select options and adjust settings.

6.3 Selecting Modes (Human/Veterinary)

The system offers dedicated modes for human and veterinary applications. Select the appropriate mode from the main menu on the LCD screen to access relevant preset protocols.

6.4 Using Preset Protocols

The device includes 12 preset protocols for various body parts and conditions, simplifying operation.

1. From the main menu, select either 'Human' or 'Veterinary' mode.
2. Choose from the displayed preset protocols (e.g., Head & Neck, Elbow & Hand, Felidae, Canine).
3. The screen will display recommended power, time, and wavelength settings for the selected protocol.

4. Adjust parameters if necessary, then press 'STANDBY' to prepare for treatment.

Built-in 12 Preset protocols

Easy to use, one-button operation

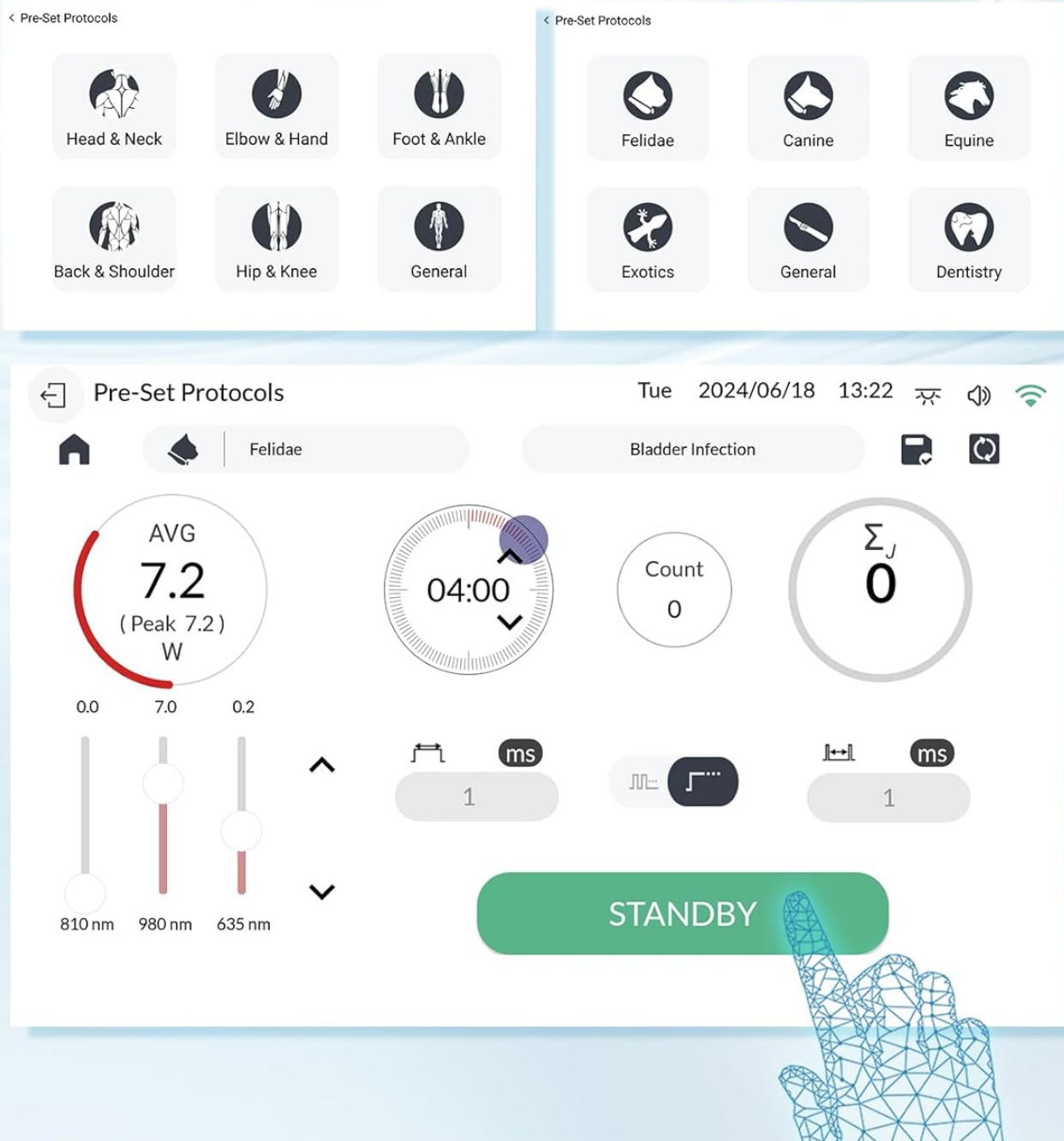


Figure 4: LCD screen showing preset protocol selection.

6.5 Adjusting Wavelengths and Power

The system features three wavelengths (635nm, 810nm, 980nm) and adjustable power settings (up to 20.5W). You can select continuous wave (CW) or pulsed modes.

- Use the touch screen controls to fine-tune wavelength intensity and power output according to the specific treatment requirements.

- Select between CW (Continuous Wave) for constant laser emission or pulsed modes for intermittent emission.

6.6 Attaching and Using Treatment Heads

Three distinct treatment heads are provided for various applications:

- **Hand Piece with Bended Head (5mm diameter):** Ideal for areas where perpendicular treatment is difficult. Applicable for power settings below 10W.
- **Hand Piece with Non-contact Cone (30mm diameter):** Suitable for general applications where no contact or soft tissue manipulation is desired.
- **Hand Piece with Medium Ball (30mm diameter):** Designed for muscular or deep soft tissue injuries in tight spaces or near sensitive areas. Can be used at power settings up to 20W.

3 Treatment Head for Different Parts



Hand Piece with Bended Head (5 mm in diameter)

For areas where is not suitable for perpendicular treating.
Only applicable for power settings below 10W.



Hand Piece with Non-contact Cone (30mm in diameter)

For general use and applications where no contact or soft tissue manipulation during treatment is desired.



Hand Piece with Medium Ball (30mm in diameter)

For use in muscular or deep soft tissue injuries in tight spaces or near sensitive areas.
The medium ball can be used at power settings up to 26W.



Figure 5: Different treatment heads and their applications.

6.7 Initiating and Ending Treatment

1. After selecting your protocol and adjusting settings, press the 'STANDBY' button on the screen.
2. To begin laser emission, press the handpiece switch or activate the optional footswitch. The light indicator will change to show active emission.
3. Apply the treatment head to the target area as directed by your healthcare professional or veterinarian.
4. To stop laser emission, release the handpiece switch or footswitch. The system will return to standby mode.

5. After treatment, press the 'STANDBY' button again to exit the active protocol.

7. APPLICATIONS

The FIGERM Cold Laser Therapy System is suitable for a wide range of applications, including:

- **Rehabilitation Centers:** For pain management, soft tissue injury treatment, postoperative rehabilitation, and inflammation reduction.
- **Animal Rehabilitation:** Effective for treating various conditions in pets, racehorses, farm animals, and other animals.
- **Sports Medicine:** Aids in shortening recovery time for athletes with acute or chronic injuries.
- **Home Use:** Can be used to alleviate common aches and pains under professional guidance.

Widely Applications



Figure 6: Examples of diverse applications for the therapy system.

8. MAINTENANCE AND CARE

- **Cleaning:** Wipe the main unit and handpiece with a soft, damp cloth. Do not use abrasive cleaners or immerse the device in liquids. Ensure the device is unplugged before cleaning.
- **Treatment Heads:** Clean treatment heads after each use with a disinfectant wipe suitable for medical devices.
- **Storage:** Store the device and its accessories in the provided carrying case in a cool, dry place, away from direct sunlight and extreme temperatures.

- **Fiber Optic Cable:** Handle the fiber optic cable with care. Avoid sharp bends or kinks, which can damage the internal fibers.
- **Goggles:** Clean safety goggles with a soft cloth and mild soap solution. Store them in their protective cases.

9. TROUBLESHOOTING

If you encounter issues with your FIGERM Cold Laser Therapy System, refer to the following table:

Problem	Possible Cause	Solution
Device does not power on	Power cable not connected; Main switch off; Blown fuse	Ensure power cable is securely plugged in; Turn on main switch; Check and replace fuse if necessary.
Laser not emitting	Handpiece switch not pressed; System in standby mode; Remote interlock not connected/active	Press handpiece switch; Ensure system is out of standby; Check remote interlock connection.
LCD screen unresponsive	Temporary software glitch	Power off the device, wait 30 seconds, then power on again. If issue persists, contact support.
Error message displayed	Internal system error	Note the error code and contact customer support for assistance.

10. SPECIFICATIONS

Key technical specifications for the FIGERM Cold Laser Therapy System:

- **Model:** Cold Laser Therapy System
- **Wavelengths:** 635nm, 810nm, 980nm
- **Max Power Output:** 20.5W
- **Operating Modes:** Continuous Wave (CW), Pulsed
- **Display Type:** LCD Touch Screen
- **Power Source:** Corded Electric
- **Package Dimensions:** 17.32 x 14.45 x 8.58 inches
- **Weight:** 14.59 Pounds
- **Manufacturer:** FIGERM
- **ASIN:** B0DBQ7W79P
- **UPC:** 614141683680

Product Dimension



Figure 7: Product dimensions and included accessories.

11. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the documentation included with your purchase or contact FIGERM customer service directly.

Legal Disclaimer:

Statements regarding dietary supplements have not been evaluated by the FDA and are not intended to diagnose, treat, cure, or prevent any disease or health condition. This device is intended for therapeutic use as directed by a

qualified professional.



© 2024 FIGERM. All rights reserved.