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Minelab Xterra Pro

Minelab X-TERRA Pro Metal Detector Instruction Manual

Comprehensive guide for operation and maintenance.

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1. INTRODUCTION TO THE MINELAB X-TERRA PRO

The Minelab X-TERRA Pro is an advanced treasure detector designed for both novice and experienced users. It features PRO-SWITCH (Switchable Frequency Technology), allowing operation at 5, 8, 10, or 15 kHz to adapt to various detecting environments. This detector is fully IP68 waterproof up to 5 meters (16 feet), making it suitable for land and shallow water use. Key features include multiple audio modes, a control pod flashlight, and handgrip vibration for enhanced user experience. This manual provides detailed instructions for setting up, operating, and maintaining your X-TERRA Pro detector to ensure optimal performance and longevity.



Figure 1.1: Cover of the Minelab X-TERRA Pro Instruction Manual. This image displays the product's branding and title.

2. SAFETY INFORMATION

Always observe the following safety precautions when using your Minelab X-TERRA Pro metal detector:

- **Waterproof Rating:** The detector is waterproof to 5 meters (16 feet). Ensure all seals and caps are securely fastened before submerging the device. Do not exceed the specified depth.
- **Battery Safety:** Use only recommended batteries. Do not mix old and new batteries, or different types of batteries. Dispose of batteries according to local regulations.
- **Environmental Awareness:** Be aware of your surroundings. Avoid detecting in hazardous areas such as active construction sites, military zones, or areas with unexploded ordnance.
- **Digging Safety:** Always use appropriate digging tools and exercise caution when excavating targets. Be mindful of underground utilities and property boundaries.
- **Children:** Keep the device out of reach of small children.

3. PACKAGE CONTENTS

Verify that all items are present in your Minelab X-TERRA Pro package:

- X-TERRA Pro Control Unit
- V12X™ 12" Double-D Elliptical Coil with Skidplate
- 3-Piece Shaft System
- USB Charging Cable
- Quick Start Guide
- Warranty Card

Note: Specific contents may vary by region or package.

4. SETUP AND ASSEMBLY

4.1. Assembling the Detector

1. **Attach the Coil:** Secure the search coil to the lower shaft using the provided bolt and washers. Ensure it is snug but not overtightened.
2. **Connect Shaft Sections:** Assemble the middle and upper shaft sections. The control unit attaches to the upper shaft.
3. **Mount Control Unit:** Slide the control unit onto the upper shaft and secure it with the locking mechanism.
4. **Wrap Coil Cable:** Carefully wrap the coil cable around the shaft, ensuring it is not too tight or loose, and plug it into the control unit's coil connector. Secure the connector cap.

Product image of assembled detector would be embedded here if available.

4.2. Charging the Battery

The X-TERRA Pro features an internal rechargeable Lithium-Ion battery. Before first use, fully charge the detector.

- Connect the supplied USB charging cable to the charging port on the control unit.
- Plug the other end into a USB power adapter (not supplied) or a computer USB port.
- The battery indicator on the display will show charging status. A full charge typically takes approximately 4-6 hours.

4.3. Initial Power On

Press and hold the Power button () for approximately 2 seconds to turn on the detector. The display will illuminate, and the detector will perform a brief self-test.

5. OPERATING THE MINELAB X-TERRA PRO

5.1. Search Modes

The X-TERRA Pro offers three primary search modes optimized for different environments:

- **Park:** Ideal for high-trash areas like parks and urban environments.
- **Field:** Suitable for open fields, agricultural land, and general relic hunting.
- **Beach:** Optimized for wet sand and saltwater conditions, minimizing false signals from mineralization.

To select a search mode, press the **Mode** button and navigate using the arrow keys. Confirm your selection by pressing the **Enter** button.

5.2. PRO-SWITCH (Switchable Frequency Technology)

PRO-SWITCH allows you to change the operating frequency of your detector to suit different targets and ground conditions. Available frequencies are 5 kHz, 8 kHz, 10 kHz, and 15 kHz.

- **Lower Frequencies (5 kHz, 8 kHz):** Generally better for deeper, larger targets and highly mineralized ground.
- **Higher Frequencies (10 kHz, 15 kHz):** More sensitive to smaller, shallower targets like small coins and jewelry.

To change the frequency, press the **Frequency** button and use the arrow keys to select your desired frequency. Press **Enter** to confirm.

5.3. Adjusting Settings

The X-TERRA Pro offers various adjustable settings to fine-tune your detecting experience:

- **Sensitivity:** Controls the detector's responsiveness to targets. Increase for deeper detection, decrease to reduce ground noise.
- **Volume:** Adjusts the audio output level.
- **Discrimination:** Allows you to reject unwanted trash targets (e.g., iron).
- **Ground Balance:** Calibrates the detector to the ground mineralization, reducing false signals. Automatic and manual options are available.
- **Audio Modes:** Select from 5 different audio modes to customize target tones.

Refer to the on-screen menu for detailed adjustments. Use the arrow keys to navigate and **Enter** to select/confirm.

A video demonstrating the control panel and settings adjustment would be embedded here if available.

6. MAINTENANCE AND CARE

6.1. Cleaning

- After each use, wipe down the control unit and shaft with a damp cloth.
- Rinse the search coil and lower shaft with fresh water if used in saltwater or muddy conditions. Ensure the coil connector is sealed.
- Do not use abrasive cleaners or solvents, as these can damage the detector's finish and seals.

6.2. Storage

- Store the detector in a cool, dry place away from direct sunlight and extreme temperatures.
- If storing for an extended period, ensure the battery is partially charged (around 50%) to prolong its lifespan.
- Avoid placing heavy objects on the detector.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Battery discharged; Power button not pressed correctly.	Charge the battery; Press and hold the Power button for 2 seconds.
Excessive false signals	High sensitivity; Improper ground balance; Electromagnetic interference.	Reduce sensitivity; Perform ground balance; Move away from power lines or other electronics.
No target response	Coil not connected; Discrimination too high; Sensitivity too low.	Check coil connection; Lower discrimination; Increase sensitivity.
Display not working	Extreme temperature; Software glitch.	Allow unit to return to normal operating temperature; Perform a factory reset (refer to advanced settings).

8. TECHNICAL SPECIFICATIONS

- **Operating Frequencies:** 5 kHz, 8 kHz, 10 kHz, 15 kHz (PRO-SWITCH)
- **Search Modes:** Park, Field, Beach
- **Waterproof Rating:** IP68 (up to 5 meters / 16 feet)
- **Audio Output:** Built-in speaker, 3.5mm headphone jack, wireless audio compatible
- **Display:** Backlit LCD
- **Battery:** Internal rechargeable Lithium-Ion
- **Weight:** Approximately 1.2 kg (2.6 lbs) (depending on coil)
- **Length (Extended):** Approximately 145 cm (57 inches)
- **Length (Collapsed):** Approximately 63 cm (25 inches)

9. WARRANTY AND SUPPORT

The Minelab X-TERRA Pro comes with a standard manufacturer's warranty. Please refer to the included warranty card for specific terms, conditions, and duration applicable to your region.

For technical support, service, or warranty claims, please contact Minelab customer service or visit the official Minelab website.

Keep your proof of purchase for warranty validation.

Minelab Official Website: www.minelab.com

