



[Manuals.plus](#) /

› [MINELAB](#) /

› MINELAB MANTICORE Metal Detector Professional Bundle User Manual

MINELAB Manticore

MINELAB MANTICORE Metal Detector Professional Bundle User Manual

Model: Manticore

1. INTRODUCTION

This manual provides essential information for the assembly, operation, and maintenance of your MINELAB MANTICORE Metal Detector Professional Bundle. This bundle includes the MANTICORE metal detector, the PRO-FIND 40 Waterproof Pinpointer, and a Universal Metal Detector Carry Bag. The MANTICORE detector is designed for efficient target identification in various environments, featuring advanced multi-frequency technology. The PRO-FIND 40 pinpointer assists in precisely locating targets, and the carry bag ensures safe transport and storage of your equipment.



Image 1.1: The MINELAB MANTICORE Metal Detector Professional Bundle, including the MANTICORE detector, PRO-FIND 40 pinpointer, and universal carry bag.

2. COMPONENTS OVERVIEW

The MINELAB MANTICORE Professional Bundle includes the following main components:

- **MANTICORE Metal Detector:** Equipped with an 11-inch Double-D coil for broad coverage and depth.
- **PRO-FIND 40 Pinpointer:** A waterproof pinpointer with a built-in flashlight, holster, and lanyard for precise target location.
- **Universal Metal Detector Carry Bag:** Features a padded interior and an easy-access pocket for secure storage and transport.

WHAT IS INCLUDED



Image 2.1: A visual representation of the components included in the MANTICORE bundle: the MANTICORE Lightweight Detector with 11" Double-D Coil, PRO-FIND 40 Pinpointer with built-in flashlight, holster, and lanyard, and the Carry Bag with padded interior and easy access pocket.

MANTICORE Detector Key Features:

- **Waterproof M11 Coil with Skidplate:** Durable and suitable for various environments.
- **Carbon Fiber Shaft:** Lightweight and robust construction.
- **Backlit Control Pod:** Clear display and controls.
- **Adjustable Armrest:** Ergonomic design for comfort during extended use.
- **Built-in Speaker:** For audio alerts.
- **Flashlight:** Integrated for low-light conditions.
- **Magnetic USB Charging Connector:** For convenient power replenishment.
- **Handgrip Vibration:** Provides tactile feedback.
- **3.5 mm Headphone Socket with Waterproof Cap:** For private audio monitoring.



Image 2.2: Labeled diagram of the MANTICORE detector, highlighting the waterproof M11 coil with skidplate, carbon fiber shaft, backlit control pod, and adjustable armrest.



Image 2.3: Close-up of the MANTICORE control pod, showing the Power ON/OFF button, Wireless Audio Control, Lighting Controls (flashlight, display backlight, keypad backlight), User Configurable Soft Key, 2D ID Map display, Sensitivity/Settings Adjust, and Pinpoint button.

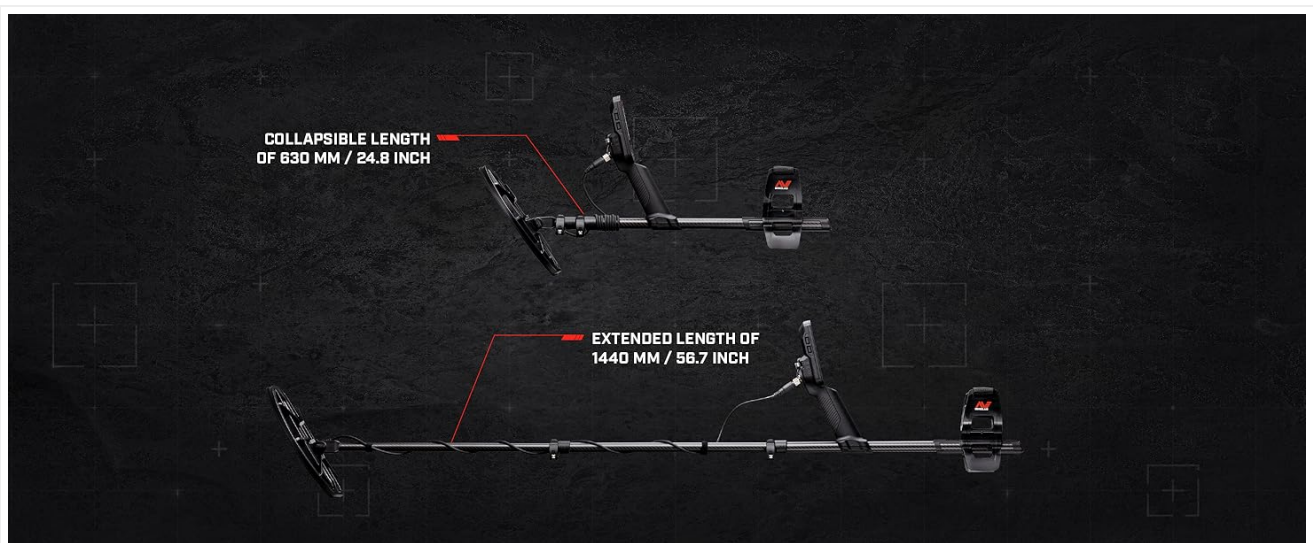


Image 2.4: Rear view of the MANTICORE detector, indicating the built-in speaker, flashlight, magnetic USB charging connector, handgrip vibration, and 3.5 mm headphone socket with waterproof cap.

3. SETUP AND ASSEMBLY

Follow these steps to assemble your MANTICORE metal detector and prepare it for use:

1. **Unpack Components:** Carefully remove all items from the packaging.
2. **Assemble Shaft:** Connect the shaft sections, ensuring they are securely locked. The MANTICORE features a collapsible design for easy transport and an extended length for comfortable operation.
3. **Attach Coil:** Securely attach the 11-inch Double-D coil to the lower shaft. Ensure the coil cable is wrapped snugly around the shaft and connected to the control pod, avoiding excessive slack.
4. **Adjust Armrest:** Position the adjustable armrest for comfortable use, ensuring it supports your forearm during sweeping motions.
5. **Charge Battery:** Before first use, fully charge the detector's internal Lithium-Ion battery using the provided magnetic USB charging connector.
6. **Pinpointer Preparation:** Ensure the PRO-FIND 40 pinpointer is ready for use. It requires 1x 9V battery (not included) or can be powered by a rechargeable 9V battery.



Image 3.1: The MANTICORE detector shown in its collapsible length of 630 mm (24.8 inches) and extended length of 1440 mm (56.7 inches).

4. OPERATING INSTRUCTIONS

4.1 MANTICORE Metal Detector Operation

The MANTICORE detector utilizes Multi-IQ+ technology for enhanced performance across various ground conditions.

- **Power On/Off:** Press and hold the power button on the control pod to turn the detector on or off.
- **Select Search Mode:** The MANTICORE offers 10 customizable search modes, including All-Terrain (for inland detecting), Beach (for sand, surf, and seawater), and Goldfield (for gold nuggets). Select the appropriate mode for your environment.
- **Adjust Sensitivity:** Use the sensitivity/settings adjust buttons to optimize detection depth and stability. Higher sensitivity increases depth but may also increase ground noise.
- **2D ID Map and Discrimination:** The 2D ID Map allows you to visualize target identification. You can create custom discrimination patterns to accept desired target IDs and reject unwanted items (ferrous trash).
- **Pinpoint Function:** Press the Pinpoint button to narrow down the exact location of a detected target.
- **Audio Responses:** The detector provides confident audio responses. You can assign pitch and volume for up to 5 tone regions to amplify the targets you wish to hear.



Image 4.1: Diagram illustrating Multi-IQ+ High Power Simultaneous Multi-Frequency technology, which transmits more power through the coil to illuminate more targets in the ground and allows for greater discrimination and audio tuning.



Image 4.2: Illustration of the MANTICORE's fast response and target separation performance, enabling the detection of desired targets amidst ferrous trash.

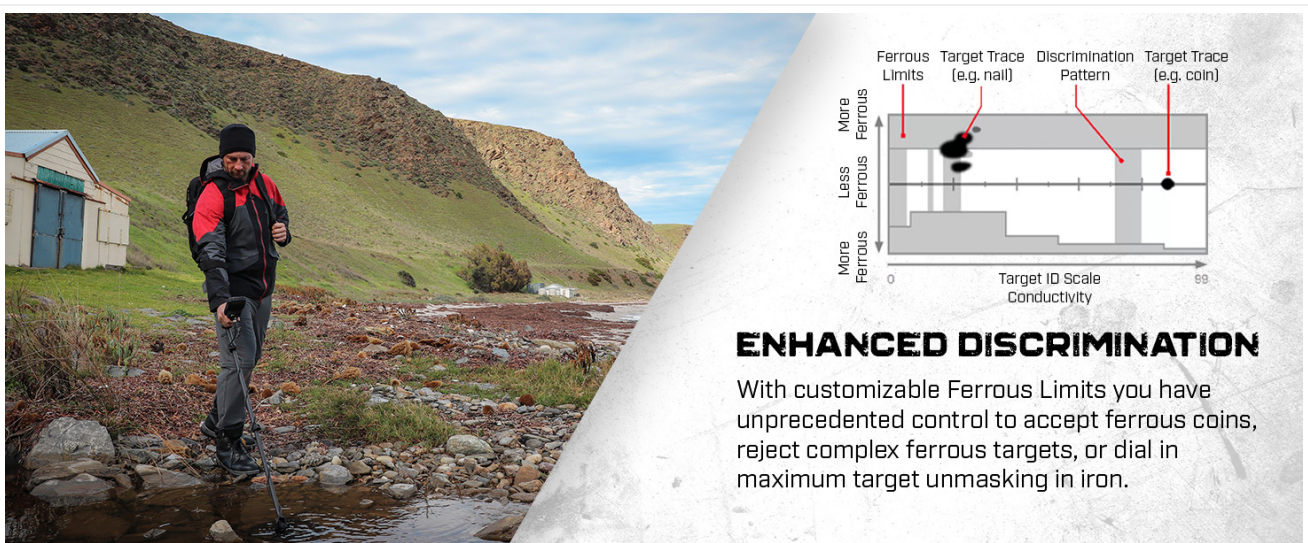
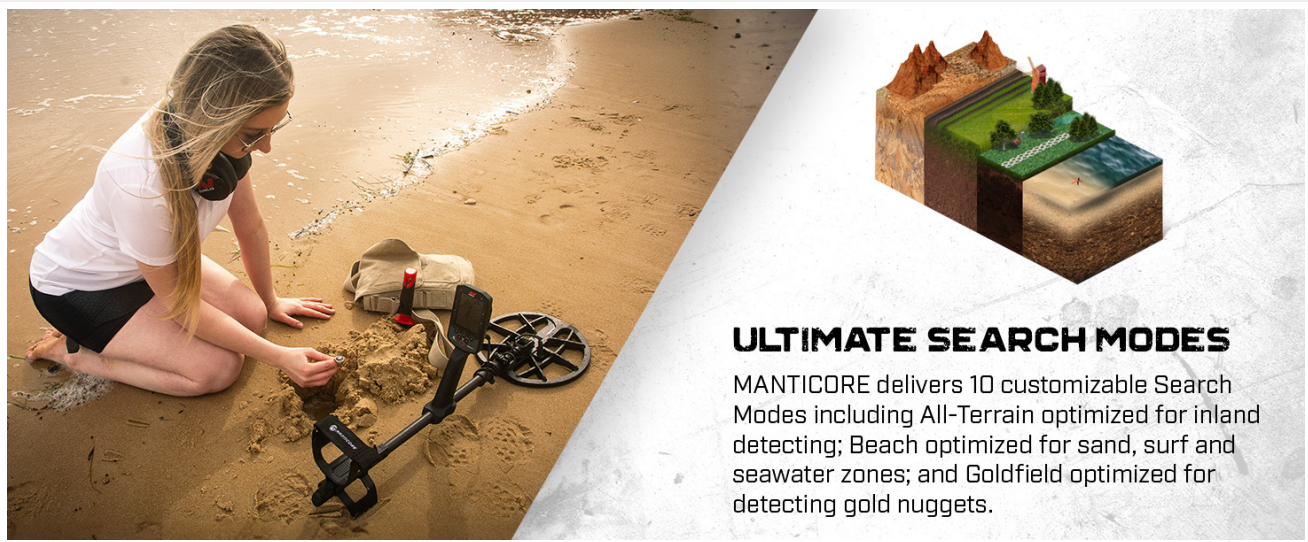


Image 4.3: Explanation of enhanced discrimination with customizable Ferrous Limits, allowing users to accept ferrous coins, reject complex ferrous targets, or maximize target unmasking in iron.



ULTIMATE SEARCH MODES

MANTICORE delivers 10 customizable Search Modes including All-Terrain optimized for inland detecting; Beach optimized for sand, surf and seawater zones; and Goldfield optimized for detecting gold nuggets.

Image 4.4: Diagram showing the MANTICORE's 10 customizable Search Modes, including All-Terrain, Beach, and Goldfield, optimized for different detecting conditions.

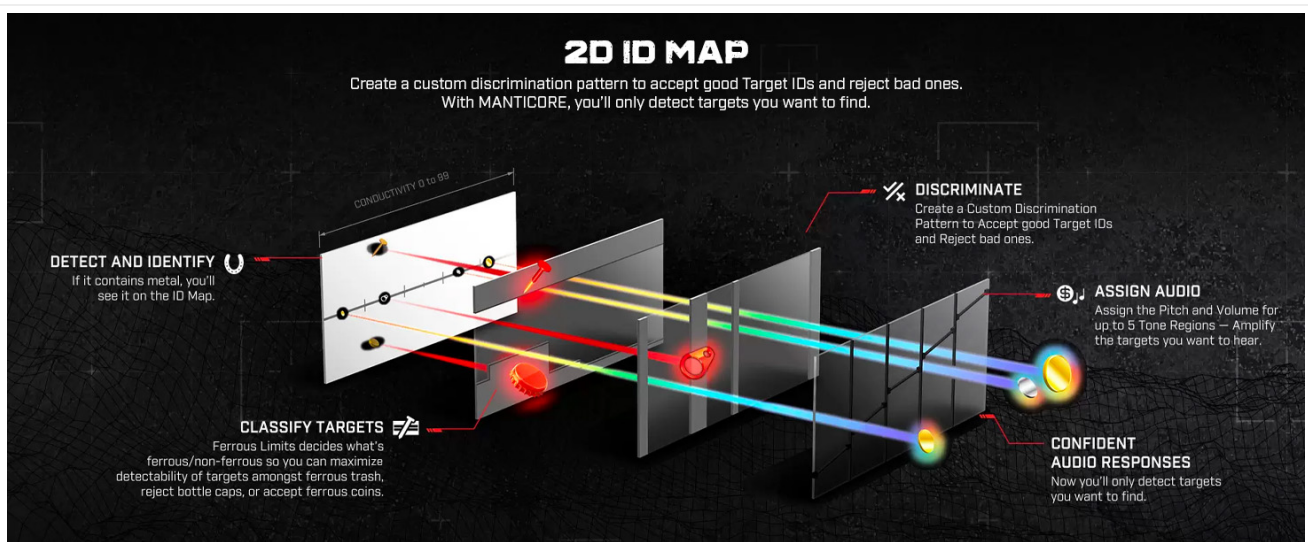


Image 4.5: Detailed explanation of the 2D ID Map, showing how it detects and identifies targets, classifies them using Ferrous Limits, allows for audio assignment, and provides confident audio responses.

4.2 PRO-FIND 40 Pinpointer Operation

The PRO-FIND 40 pinpointer is used to accurately locate targets once the metal detector has identified a general area.

- **Power On/Off:** Press the button to activate the pinpointer.
- **Detection:** Move the tip of the pinpointer close to the suspected target area. The pinpointer will emit audio tones and/or vibrate, intensifying as it gets closer to the target.
- **DIF Technology:** Detector Interference Free (DIF) technology reduces interference with your metal detector, allowing for smoother transitions between detecting and pinpointing.
- **Flashlight:** Use the built-in flashlight for improved visibility in dark or low-light conditions.



Image 4.6: A user operating the PRO-FIND 40 pinpointer to locate a target. The pinpointer provides audio tones and vibration that intensify as it approaches the target, aiding in recovery, especially underwater.

5. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your metal detecting equipment.

- **Cleaning:** After each use, wipe down the detector and pinpointer with a damp cloth to remove dirt, dust, and salt residue. Ensure all components are dry before storage.
- **Coil Care:** Inspect the search coil and cable for any damage. The M11 coil is waterproof, but avoid harsh impacts.
- **Battery Care:** Recharge the MANTICORE detector's battery regularly. For the PRO-FIND 40, replace the 9V battery when low or recharge if using a rechargeable type. Store devices with partially charged batteries if not used for extended periods.
- **Storage:** Store the detector and pinpointer in the Universal Carry Bag in a cool, dry place, away from direct sunlight and extreme temperatures. The padded interior of the bag protects the equipment during transport and storage.
- **General Inspection:** Periodically check all connections and fasteners to ensure they are secure.

METAL DETECTOR CARRY BAG



Universal & Protective



Made with sturdy vinyl fabric and designed to carry any MINELAB metal detector.

Image 5.1: A user carrying the metal detector in the Universal Carry Bag. The bag is made with sturdy vinyl fabric and designed to protect and transport any MINELAB metal detector.

6. TROUBLESHOOTING

This section addresses common issues you might encounter.

- **No Power:** Ensure the battery is fully charged. Check all connections.
- **Erratic Signals/False Alarms:** Reduce sensitivity. Perform a ground balance. Move away from sources of electromagnetic interference (power lines, other electronics).
- **Poor Depth:** Ensure the coil is properly connected. Increase sensitivity if ground conditions allow. Check battery level.
- **Pinpointer Not Working:** Check the battery in the PRO-FIND 40. Ensure it is powered on.
- **No Audio:** Check headphone connection or ensure the internal speaker is enabled and volume is adjusted.

If problems persist, consult the MINELAB support website or contact customer service.

7. SPECIFICATIONS

Feature	Specification
Brand	MINELAB
Model Number	Manticore
Color	Black
Material	Plastic
Power Source	Battery Powered
Batteries	1 Lithium Ion battery required (included)
Item Weight	2.9 Pounds
Product Dimensions	12.7 x 4.1 x 27 inches
Adjustable Length	Yes
Search Coil Size	11 Inches (Double-D)
International Protection Rating	IP5- or IP6- (Waterproof)
UPC	811493019390

8. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation included with your product or visit the official MINELAB website. MINELAB offers various protection plans for extended coverage.

For technical support, troubleshooting assistance, or to inquire about replacement parts, please contact MINELAB customer service through their official channels. You can often find support resources, FAQs, and contact details on the MINELAB website.

Online Resources:

- Visit the [MINELAB Store on Amazon](#) for product information and accessories.
- Refer to the official MINELAB website for the most up-to-date manuals, software updates, and support.