etoolab MD10

ETOOLAB MD10 Metal Detector Instruction Manual

Model: MD10
Brand: ETOOLAB

Introduction

The ETOOLAB MD10 Metal Detector is designed for both adults and children, offering a versatile and accurate tool for treasure hunting. Featuring 5 detection modes, adjustable sensitivity, and a 10-inch IP68 waterproof search coil, this device is suitable for various environments, from beaches to forests. This manual provides detailed instructions for assembly, operation, maintenance, and troubleshooting to ensure optimal performance and an enjoyable user experience.

What's in the Box

Your ETOOLAB MD10 Metal Detector package includes all necessary components and accessories to begin your treasure hunting adventure immediately.



Image: The ETOOLAB MD10 Metal Detector and its complete accessory kit, including the main unit, search coil, headphones, backpack, utility shovel, and batteries.

- ETOOLAB MD10 Metal Detector Main Unit (Control Box, Handle Grip, Arm Rest)
- 10-inch IP68 Waterproof Search Coil
- Adjustable Stem
- Headphones (for clear audio feedback)
- Durable Backpack (for easy transport and storage)
- Utility Shovel (for digging finds)
- 2 x Alkaline 9V Batteries
- User Manual

Setup

Assembly Instructions

Follow these steps to assemble your metal detector. The process is designed for quick and tool-free setup.

Your browser does not support the video tag.

Video: A user demonstrates the unboxing and assembly process of a metal detector. While the specific model shown may vary slightly, the general assembly steps are applicable.

1. **Attach the Search Coil:** Connect the 10-inch search coil to the lower stem using the provided non-metallic bolt and knob. Ensure it is securely fastened but do not overtighten.
2. **Connect Stem Sections:** Insert the lower stem into the middle stem, and then connect the middle stem to the upper stem (which includes the control box and armrest). Use the spring clips or locking collars to secure the sections at your desired length.
3. **Adjust Armrest:** Position the armrest for comfortable use, ensuring your forearm rests securely.
4. **Wrap Cable:** Carefully wrap the search coil cable around the stem, ensuring it is snug but not overly tight, to prevent tangling and false signals. Secure the cable with any provided clips.
5. **Connect Cable to Control Box:** Plug the search coil cable connector into the corresponding port on the control box.

Battery Installation

The ETOOLAB MD10 requires 2 alkaline 9V batteries (included).

1. Locate the battery compartment on the back of the control box.
2. Open the battery compartment cover.
3. Insert the 9V batteries, ensuring correct polarity (+ and - terminals match).
4. Close the battery compartment cover securely.

Operating Instructions

Familiarize yourself with the control box and its functions for effective treasure hunting.



Image: Detailed view of the intuitive LCD display, highlighting Target ID Cursor, Digital ID Cursor/P-P Cursor, Coin Depth Cursor, Sens Cursor, Mode Cursor, POWER Key, and P-P Key.

Powering On/Off

- To power on, press and hold the **POWER** button (usually marked with a power symbol) until the LCD screen illuminates.
- To power off, press and hold the **POWER** button again until the screen turns off.

LCD Display and Controls

The LCD display provides visual feedback on detected targets, depth, and current settings. Use the control buttons to navigate and adjust settings.

- **Target ID Cursor:** Indicates the probable type of metal detected.
- **Digital ID Cursor/P-P Cursor:** Provides a numerical identification for the target.
- **Coin Depth Cursor:** Estimates the depth of the detected object.
- **Sens (Sensitivity) Key:** Adjusts the detector's sensitivity (5 levels). Higher sensitivity increases detection depth but

may also pick up more interference.

- **Vol (Volume) Key:** Adjusts the audio volume (3 levels) of the detection signals.
- **Mode Key:** Cycles through the 5 detection modes.
- **PP (Pinpoint) Key:** Activates Pinpoint Mode for precise target location.

Detection Modes

The ETOOLAB MD10 features 5 specialized detection modes to optimize your search for different types of metals.

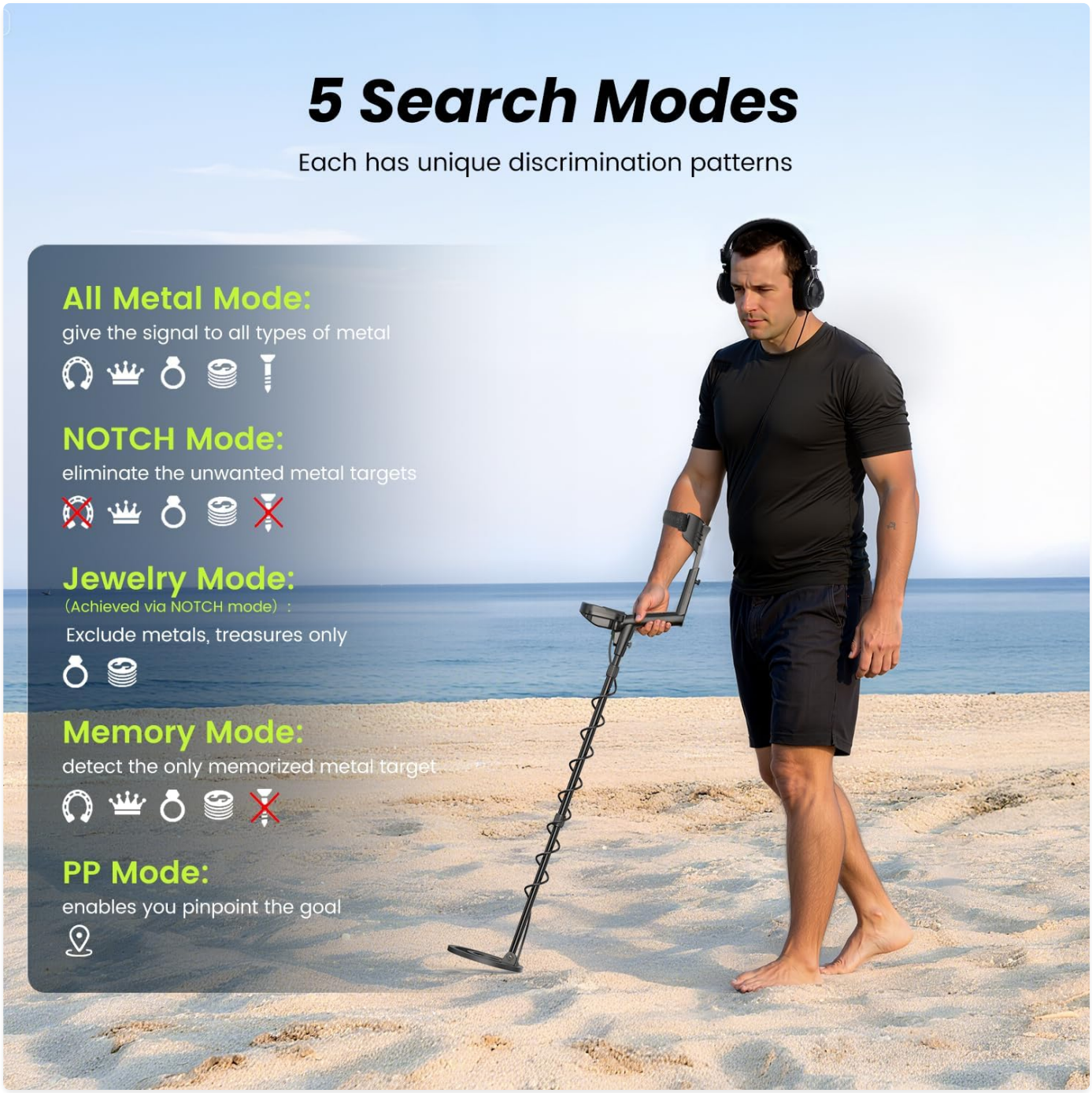


Image: Visual representation of the five distinct search modes: All Metal, Notch, Jewelry, Memory, and PP Mode, with icons indicating their functions.

- **All Metal Mode:** Detects all types of metal without discrimination. Ideal for finding any metallic object.
- **Notch Mode:** Allows you to eliminate unwanted target categories (e.g., iron, nickel, zinc) to focus on specific metals.
- **Jewelry Mode:** Achieved via Notch Mode, this setting excludes common trash metals to specifically target jewelry.
- **Memory Mode:** Detects only the memorized metal target, ignoring all other types. Useful for repeatedly searching for a specific item.

- **PP Mode (Pinpoint Mode):** Enables you to pinpoint the exact location of a detected target for easier recovery.

Using the Search Coil

Sweep the search coil slowly and steadily from side to side, keeping it parallel to the ground and approximately 1-2 inches above the surface. Overlap each sweep by about half the coil's diameter to ensure thorough coverage.



Image: A person using the ETOOLAB MD10 metal detector in shallow water, demonstrating the IP68 waterproof search coil. Note that the LCD control unit is not waterproof.

Maintenance

- **Cleaning:** Wipe down the detector with a damp cloth after each use. Avoid harsh chemicals. The search coil can be rinsed with fresh water due to its IP68 rating, but ensure the control box remains dry.
- **Storage:** Store the metal detector in a cool, dry place. If storing for extended periods, remove the batteries to prevent leakage. The included backpack is ideal for protected storage.
- **Waterproof Coil:** The 10-inch search coil is IP68 waterproof, allowing for use in shallow water. However, the LCD

control unit is NOT waterproof and must be kept dry.

Troubleshooting

- **No Power:** Ensure batteries are correctly installed and fully charged. Replace if necessary.
- **False Signals:** Check that the search coil cable is securely wrapped and connected. Lower sensitivity in highly mineralized soil or areas with electrical interference. Avoid sweeping near large metal objects or power lines.
- **No Detection:** Verify the detector is powered on and the search coil is properly connected. Ensure the sensitivity is set appropriately for your search environment.
- **Inaccurate Target ID/Depth:** Sweep slowly and consistently. Ensure the coil is parallel to the ground. Practice with known targets to improve accuracy.

Specifications

Feature	Specification
Model Number	MD10
Brand	ETOOLAB
Detection Modes	5 (All Metal, Notch, Jewelry, Memory, Pinpoint)
Sensitivity Levels	5 Adjustable Levels
Search Coil Size	10 inches (25.4 cm)
Search Coil Waterproof Rating	IP68
Max. Detection Depth	10 inches (for deeply buried items)
Adjustable Shaft Length	47–59 inches (120-150 cm)
Item Weight	1.9 kg (4.19 lbs)
Power Source	2 x 9V Alkaline Batteries
Material	Metal
LCD Display	Backlight Display

Warranty and Support

ETOOLAB is committed to providing quality products and excellent customer service.

- **One-Year Warranty:** Your ETOOLAB MD10 Metal Detector is covered by a one-year warranty period from the date of purchase. This warranty covers manufacturing defects and ensures product quality.
- **Professional Service:** For any questions, technical assistance, or warranty claims, please contact ETOOLAB customer support. Our professional service team is dedicated to providing satisfactory solutions and support.

Additional Resources

Explore these videos for further guidance on using your metal detector:

Your browser does not support the video tag.

Video: This video demonstrates the use of a professional outdoor metal detector with a waterproof coil. While the specific model may differ, the general principles of operation and benefits of a waterproof coil are well illustrated.

Your browser does not support the video tag.

Video: This video showcases a professional metal detector for adults in action. Although the model may not be identical to the ETOOLAB MD10, it provides a good overview of typical metal detecting usage and features.

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Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question