Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

etoolab MD100-UK

ETOOLAB Professional Metal Detector Set (MD100-UK) User Manual

Model: MD100-UK

Introduction

This manual provides detailed instructions for the assembly, operation, maintenance, and troubleshooting of your ETOOLAB Professional Metal Detector Set. Please read this manual thoroughly before using the device to ensure safe and optimal performance. This metal detector is designed for treasure hunting, leisure, and outdoor adventures, suitable for various environments including meadows, fields, beaches, and damp areas.

Safety Information

- Always be aware of your surroundings when using the metal detector.
- Do not use the metal detector near active electrical lines or hazardous areas.
- **Important Note: The control unit of this metal detector is NOT waterproof. Only the search coil is designed for use in wet conditions.**
- Ensure all connections are secure before operation.
- Dispose of batteries responsibly according to local regulations.

Package Contents

Your ETOOLAB Professional Metal Detector Set includes the following components:

- ETOOLAB Metal Detector (Control Unit, Adjustable Shaft, Search Coil)
- Headphones
- Folding Shovel
- Batteries (Quantity: 2)

- Backpack / Transport Bag
- User Manual

Setup and Assembly

Follow these steps to assemble your metal detector:

1. **Attach the Search Coil:** Connect the 25 cm DD search coil to the lower stem. Ensure it is securely fastened.
2. **Connect the Control Unit:** Slide the control unit onto the upper stem. Tighten any locking mechanisms to prevent movement.
3. **Adjust the Shaft:** Extend or retract the telescopic shaft (from 120 cm to 150 cm / 47" to 59") to a comfortable length for your height. Secure the quick-release clamps.
4. **Install Batteries:** Open the battery compartment on the control unit and insert the provided batteries, observing polarity.
5. **Connect Headphones:** Plug the headphones into the designated jack on the control unit.



Figure 1: Component overview and assembly points. This image illustrates the main parts of the metal detector including the waterproof search coil, adjustable stem, headphone jack, and ergonomic design of the control unit.



Figure 2: Adjustable and ergonomic design. The image shows how the metal detector's shaft can be adjusted for different user heights, highlighting the ergonomic armrest, quick-release, non-slip grip, and headphone connection.

Operating Instructions

Control Unit Overview

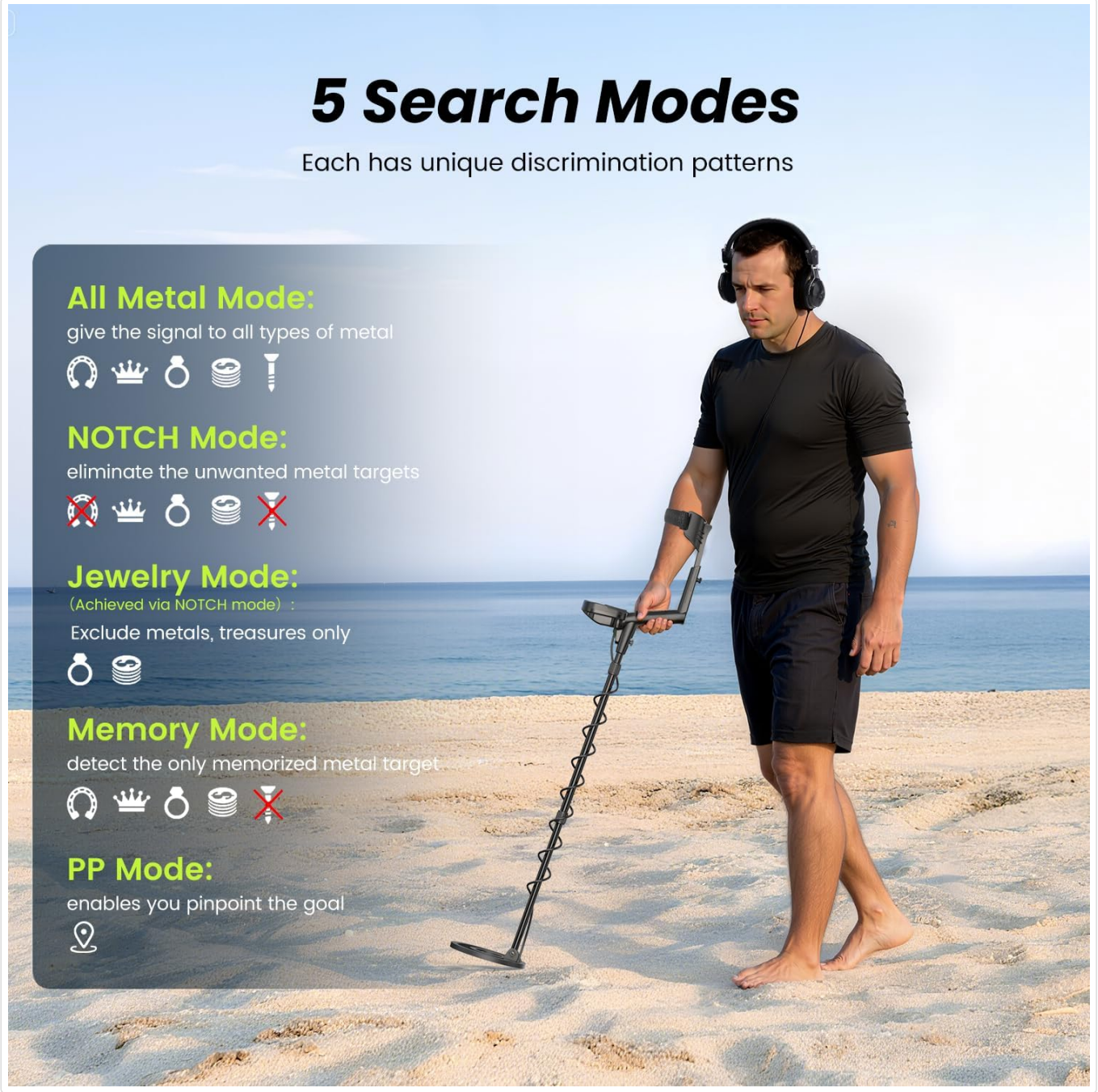


Figure 3: Intuitive LCD Display and Controls. This diagram labels key elements of the control panel including Target ID Cursor, Digital ID Cursor, Coin Depth Cursor, Sensitivity (SENS) Cursor, Mode Cursor, POWER Key, and Pinpoint (PP) Key. It also shows adjustable volume (3 levels) and sensitivity (5 levels).

- **LCD Display:** Shows Target ID (0-99), approximate depth, search mode, sensitivity, and volume levels. Backlight for low-light conditions.
- **POWER Key:** Press to turn the detector on/off.
- **MENU Key:** Used to navigate through settings and modes.
- **SENS (Sensitivity):** Adjusts the detector's sensitivity (8 levels) to optimize detection depth and reduce interference.
- **VOL (Volume):** Adjusts the audio output volume (3 levels).
- **NOTCH:** Allows you to eliminate unwanted metal targets from detection.
- **MEMORY:** Stores a specific metal target for exclusive detection.
- **PP (Pinpoint) Key:** Press and hold to precisely locate the detected target.

Search Modes

The ETOOLAB metal detector features 5 professional search modes, each with unique discrimination patterns:



Figure 4: Five Search Modes. This image details the functionality of each mode: All Metal, NOTCH, Jewelry, Memory, and PP (Pinpoint) Mode.

1. **All Metal Mode:** Detects all types of metal. Ideal for general searching when you want to find everything.
2. **NOTCH Mode:** Allows you to eliminate specific unwanted metal targets. Use the MENU button to select the target ID range to exclude.
3. **Jewelry Mode:** Designed to exclude common trash metals and focus on jewelry. This mode is achieved via the NOTCH function.
4. **Memory Mode:** Detects only the memorized metal target. Useful for repeatedly searching for a specific type of item.
5. **PP (Pinpoint) Mode:** Enables precise localization of the detected target. Once a target is found, switch to PP mode to narrow down its exact position.

Basic Operation Steps

1. **Power On:** Press the POWER key to turn on the detector. It will typically start in All Metal Mode.
2. **Select Mode:** Use the MENU button to cycle through the search modes (All Metal, NOTCH, Jewelry, Memory).
3. **Adjust Sensitivity:** Press the SENS button and use the +/- buttons to adjust sensitivity. Start with a moderate level and increase if needed, reducing if false signals occur.
4. **Adjust Volume:** Press the VOL button and use the +/- buttons to set a comfortable listening volume.
5. **Sweep the Coil:** Hold the search coil parallel to the ground, about 1-2 inches above the surface. Sweep the coil slowly from side to side in overlapping motions.
6. **Identify Targets:** When a target is detected, the LCD display will show a Target ID (0-99) and approximate depth. Different metals will produce different IDs and audio tones.
7. **Pinpoint:** Once a target is identified, press and hold the PP button. Move the coil slowly over the area until the strongest signal is heard, indicating the center of the target.
8. **Digging:** Use the provided shovel to carefully excavate the target.

Maintenance

- **Cleaning:** After each use, wipe down the search coil and shaft with a damp cloth. Ensure the control unit remains dry.
- **Storage:** Store the metal detector in a cool, dry place. If storing for extended periods, remove the batteries to prevent leakage.
- **Battery Care:** Replace batteries when the low battery indicator appears. Use high-quality batteries for optimal performance.
- **Coil Protection:** Avoid striking the search coil against hard objects. While waterproof, excessive force can damage it.

Troubleshooting

Problem	Possible Cause	Solution
No power / Detector won't turn on	Dead or incorrectly installed batteries	Check battery polarity; replace with fresh batteries.
Constant false signals / Chatter	High sensitivity setting; electromagnetic interference; mineralized ground	Reduce sensitivity; move away from power lines or other electronics; perform ground balance (if available, or sweep higher).
Poor detection depth	Low sensitivity; deeply buried target; small target size	Increase sensitivity; sweep slower; ensure coil is parallel to the ground.
Inaccurate pinpointing	Sweeping too fast; not centering the coil correctly	Slow down coil movement in PP mode; practice centering the signal.
No audio from headphones	Headphones not plugged in correctly; volume too low; faulty headphones	Ensure headphones are fully plugged in; increase volume; test with another pair of headphones if possible.

Technical Specifications

Brand	ETOOLAB
Model Number	MD100-UK (YXX-MD100-UK)
Color	Green + Black
Material	ABS + Aluminium Rod
Power Source	Battery Powered
Item Weight	1.94 kg (approx. 4.28 lbs)
Item Dimensions (L x W x H)	17.32" x 11.02" x 5.51" (packed)
Adjustable Shaft Length	120 cm - 150 cm (47" - 59")
Search Coil	25 cm (10 inch) DD Coil, IP68 Waterproof
Control Unit	LCD Display with Backlight (NOT waterproof)
Detection Depth	Up to 30 cm (approx. 10 inches), depending on object size and soil conditions
Search Modes	5 (All Metal, NOTCH, Jewelry, Memory, Pinpoint)
Sensitivity Levels	8
Target ID	0-99 Digital Target ID
Recommended Uses	Treasure hunting, family trips, nature adventures, beach, shallow water, riverside, meadows



Figure 5: Detection Depth. This image illustrates the detector's capability to find various valuable items like coins, jewelry, and gold up to 10 inches deep.



Figure 6: IP68 Waterproof Search Coil. The image shows the 10-inch waterproof search coil being used in a river, highlighting its suitability for wet environments like beaches, riverbanks, and damp terrains. It also shows the ergonomically optimized bow grip.

Warranty Information

Specific warranty details are typically provided with your product packaging or on the manufacturer's official website. Please refer to the documentation included in your ETOOLAB Metal Detector Set for precise warranty terms and conditions. Generally, ETOOLAB products come with a limited warranty covering manufacturing defects from the date of purchase.
Keep your purchase receipt as proof of purchase for any warranty claims.

Customer Support

If you encounter any issues or have questions regarding your ETOOLAB Professional Metal Detector Set that are not covered in this manual, please contact ETOOLAB customer support.

- **Online Support:** Visit the official ETOOLAB website for FAQs, support resources, and contact forms.
- **Email Support:** Refer to your product packaging or the ETOOLAB website for the customer service email address.
- **Amazon Store:** You can also visit the ETOOLAB Store on Amazon for product information and to contact the seller.

When contacting support, please have your model number (MD100-UK) and purchase details ready.

Environmental Considerations



Figure 7: Multi-Scene Treasure Hunt. This image depicts the versatility of the metal detector for use in diverse environments such as beaches, forests, riversides, and open fields.

The ETOOLAB Metal Detector is designed for use in various outdoor environments. Please respect local regulations regarding metal detecting and environmental protection. Always fill in any holes you dig and leave the area as you found it.

This product may contain materials that require special disposal. Please consult your local authorities for information on recycling and disposal of electronic waste.

© 2023 ETOOLAB. All rights reserved.
This manual is subject to change without notice.

Ask a question about this manual

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.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

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

Open the live page

https://manuals.plus/asin/B0H38VQD7Y

More documents and user manuals: **https://manuals.plus/**