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› Towallmark MD 830 Metal Detector User Manual

Towallmark MD 830

Towallmark MD 830 Metal Detector User Manual

Comprehensive instructions for assembly, operation, and maintenance.

1. INTRODUCTION

This manual provides detailed instructions for the proper use and care of your Towallmark MD 830 Metal Detector. Please read this manual thoroughly before operating the device to ensure optimal performance and longevity. The Towallmark MD 830 is designed for efficient metal detection, featuring a waterproof coil, multiple search modes, and an adjustable design suitable for various users and environments.

2. PACKAGE CONTENTS

Upon opening your Towallmark MD 830 Metal Detector package, please verify that all the following items are included:

- 1 x Towallmark MD 830 Metal Detector unit
- 1 x Folding Shovel
- 1 x Carrying Bag
- 1 x Jack Headphones
- 2 x 9V Batteries
- 1 x User Manual (multi-language)



Image 2.1: Contents of the Towallmark MD 830 Metal Detector package, including the detector, shovel, headphones, batteries, and carrying bag.

3. PRODUCT FEATURES

The Towallmark MD 830 Metal Detector incorporates several advanced features for effective and user-friendly operation:

- **Advanced DSP Chip:** Equipped with an upgraded Digital Signal Processing (DSP) chip for enhanced detection capabilities.
- **10-inch IP68 Waterproof Search Coil:** A large, waterproof search coil allows for detection in shallow water and wet environments.
- **Adjustable Sensitivity:** 8 levels of sensitivity adjustment to fine-tune detection based on ground conditions and target size.
- **Three Search Modes:** Includes All Metal, Disc (Discrimination), and Pinpoint modes for versatile treasure hunting.
- **10-inch Depth Exploration:** Capable of detecting objects up to 10 inches deep.
- **Adjustable Height:** Rod adjusts from 42 inches to 53 inches, accommodating both adults and children.

- **Ergonomic Design:** Features adjustable armrests and non-slip handles for comfortable use.
- **Long Battery Life:** Provides up to 20 hours of continuous operation on a full charge.
- **Backlit LCD Display:** A large, backlit LCD screen provides clear detection information, even in low-light conditions.
- **Audio Alarm Feedback:** Three-level buzzing sounds differentiate various metal types.



Image 3.1: The 10-inch IP68 waterproof search coil, suitable for use in shallow water.

UPGRADED CHIP TECHNOLOGY

QUICKLY LOCATE THE TREASURE YOU WANT TO FIND



Image 3.2: Illustration of the detector's capability to locate targets up to 10 inches deep.



Image 3.3: The metal detector's adjustable shaft, demonstrating its suitability for users of different heights.

4. ASSEMBLY AND SETUP

Follow these steps to assemble your Towallmark MD 830 Metal Detector:

1. **Attach the Search Coil:** Connect the search coil to the lower stem. Ensure the cable is securely wrapped around the stem to prevent tangling.
2. **Connect the Stems:** Insert the lower stem into the middle stem, and then connect the middle stem to the upper stem (control box assembly). Adjust the length to a comfortable position using the locking collars.
3. **Install Batteries:** Open the battery compartment on the control box and insert the two 9V batteries, observing the correct polarity. Close the compartment securely.
4. **Attach Armrest:** Secure the armrest to the upper stem. Adjust its position for ergonomic comfort during use.
5. **Connect Headphones:** Plug the jack headphones into the designated port on the control box.

Towallmark

'Welcome to Treasure Hunt,' follows Towallmark on an extraordinary adventure around the world.
Now, you will be guided by Towallmark on an awe-inspiring journey, getting up close and personal with some of the most thrilling mysterious treasures on the underground.

Let's be a lost and found expert together



Image 4.1: Overview of the digital LCD display and control buttons for setup and operation.

5. OPERATING INSTRUCTIONS

Familiarize yourself with the control panel and operating modes for effective metal detection.

5.1. Control Panel Overview

The LCD display provides visual feedback on detection, battery level, sensitivity, and target depth. Key controls include:

- **SET MODE Button:** Cycles through Sensitivity, Search Mode, and Volume adjustments.
- **UP/DOWN Buttons:** Adjust selected settings (e.g., increase/decrease sensitivity, change mode).
- **ENTER Button:** Confirms selected settings.
- **P/P (Pinpoint) Button:** Activates Pinpoint mode for precise target location.
- **Backlight ON/OFF:** Hold the MODE button for 2 seconds to toggle the backlight.

DIGITAL LCD DISPLAY

Add Backlight Function Save Power



Light on



On by Default

Hold mode button for 2 seconde to turn off

Image 5.1: The digital LCD display with backlight functionality for visibility in various lighting conditions.

5.2. Search Modes

The MD 830 offers three distinct search modes:

1. **All Metal Mode:** Detects all types of metal without discrimination. This mode is ideal for general searching when you want to find any metallic object.
2. **Disc (Discrimination) Mode:** Allows you to filter out unwanted metal types (e.g., iron, bottle caps) and focus on specific targets like coins or jewelry. Use the UP/DOWN buttons to select or shield up to 7 metal types.
3. **Pinpoint (PP) Mode:** Once a target is detected in All Metal or Disc mode, switch to Pinpoint mode to accurately locate the exact position of the object before digging.

3 SEARCH MODES

1. ALL METAL MODE:

Signals you on every occasion its detects any metal. 



2. DISC MODE:

Eliminate the unwanted metal targets. 



3. PINPOINT MODE:

Enables you pinpoint the target



HIGH SENSITIVITY & DEPTH
8 levels of sensitivity adjustable. 

Image 5.2: Visual representation of the three search modes and their functions.

5.3. Sensitivity Adjustment

The detector features 8 levels of adjustable sensitivity. Higher sensitivity increases detection depth and range but can also lead to more false signals in mineralized ground. Adjust sensitivity by pressing the SET MODE button until "SENS" is highlighted, then use the UP/DOWN buttons to select the desired level.

5.4. Audio Feedback

The MD 830 provides distinct audio tones to help identify different types of metals:

- **Low Tone:** Typically indicates ferrous metals like iron or small, low-conductivity items (e.g., bottle caps).
- **Medium Tone:** Often associated with medium-conductivity metals such as nickel, aluminum, or some older coins.
- **High Tone:** Generally indicates high-conductivity metals like silver, copper, and larger brass objects.

Using the included headphones enhances the ability to discern subtle tone variations and pinpoint targets more effectively, especially in noisy environments.

Image 5.3: Explanation of audio tones corresponding to different metal types and conductivity levels.

6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your metal detector:

- **Cleaning:** After each use, wipe down the detector with a damp cloth. Avoid using abrasive cleaners or solvents. The search coil can be rinsed with fresh water if used in saltwater or muddy conditions.
- **Storage:** Store the detector in a cool, dry place. If storing for an extended period, remove the batteries to prevent leakage.
- **Battery Care:** Replace batteries when the low battery indicator appears on the LCD. Always use fresh, high-quality 9V batteries.
- **Coil Protection:** Avoid striking the search coil against hard objects. While waterproof, ensure the coil cable connection to the control box remains dry.

7. TROUBLESHOOTING

If you encounter issues with your Towallmark MD 830, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No power/Detector does not turn on.	Dead or incorrectly installed batteries.	Check battery polarity; replace with fresh 9V batteries.
Constant false signals/Chattering.	High sensitivity setting; electromagnetic interference; mineralized ground.	Reduce sensitivity; move away from power lines or other electronics; perform ground balance (if applicable, though not explicitly mentioned as a feature, it's a common solution).
Poor detection depth.	Low sensitivity setting; incorrect search coil angle; heavily mineralized ground.	Increase sensitivity; ensure search coil is parallel to the ground; sweep slowly.
No audio from headphones.	Headphones not plugged in correctly; faulty headphones; volume too low.	Ensure headphones are fully inserted; test with another pair of headphones; increase volume setting.

If the problem persists after attempting these solutions, please contact customer support.

8. SPECIFICATIONS

Feature	Specification
Brand	Towallmark
Model Number	MD 830
Search Coil Size	10 inches

Feature	Specification
Waterproof Rating	IP68 (Search Coil)
Operating Frequency	9 KHz
Max Detection Depth	10 inches
Adjustable Rod Length	42" to 53"
Power Source	2 x 9V Batteries
Estimated Battery Life	Up to 20 hours
Material	Plastic
Item Weight	5.99 pounds
Product Dimensions	25"L x 8"W x 5"H (packaged)

9. WARRANTY AND SUPPORT

The Towallmark MD 830 Metal Detector comes with a **1-year guarantee**. If you encounter any issues related to manufacturing defects or product quality, please contact our customer support team. We are available 24 hours a day, 7 days a week, to assist you with refunds, exchanges, or any other concerns.

For support, please refer to the contact information provided in your product packaging or visit the official Towallmark website.

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