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› [SUNPOW](#) /

› SUNPOW Metal Detector OT-MD17 User Manual

SUNPOW OT-MD17

SUNPOW Metal Detector OT-MD17

User Instruction Manual

INTRODUCTION

This manual provides detailed instructions for the proper assembly, operation, maintenance, and troubleshooting of your SUNPOW OT-MD17 Metal Detector. Please read this manual thoroughly before using the device to ensure optimal performance and longevity.

The SUNPOW OT-MD17 is designed for efficient metal detection, featuring a 10-inch IP68 waterproof search coil, an upgraded DSP chip for higher sensitivity, and five distinct detection modes. Its adjustable design accommodates various users, making it suitable for diverse treasure hunting environments.

SETUP

Component Overview

Familiarize yourself with the main components of your metal detector:

ANATOMY OF A PROFESSIONAL METAL DETECTOR

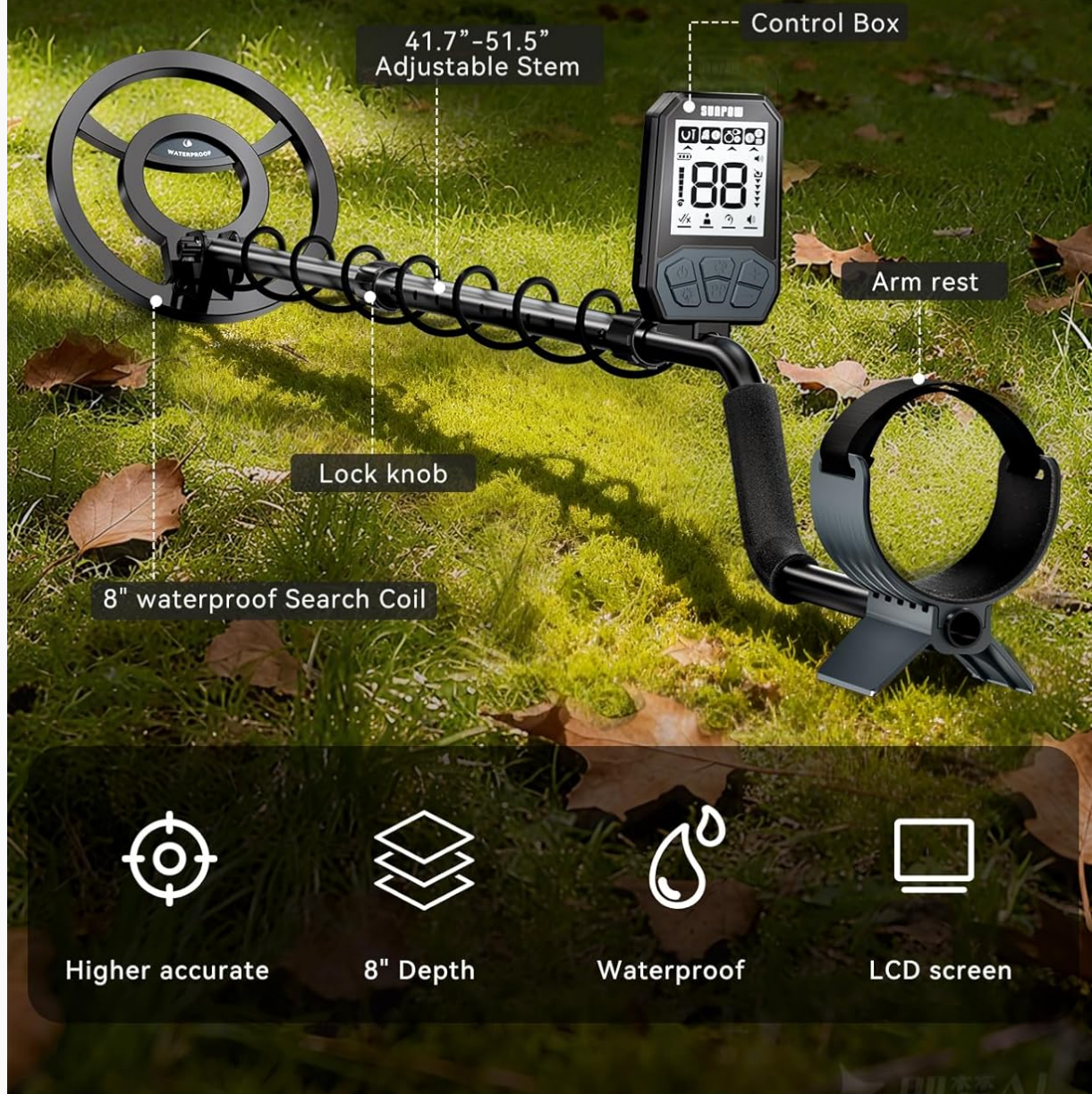


Image: Diagram illustrating the key parts of the SUNPOW metal detector including arm rest, control box, adjustable stem, lock knob, and 8-inch waterproof search coil.

- **Control Box:** Houses the display, controls, and electronics.
- **Adjustable Stem:** Allows for height adjustment to suit different users.
- **Arm Rest:** Provides comfort and stability during use.
- **Lock Knob:** Secures the adjustable stem at the desired length.
- **Search Coil:** The 10-inch IP68 waterproof coil responsible for detecting metals.

Assembly Instructions

Follow these steps to assemble your metal detector:

1. Attach the search coil to the lower stem using the provided bolt and nut. Ensure it is securely fastened but allows for slight angle adjustment.

2. Connect the lower stem to the middle stem.
3. Insert the middle stem into the upper stem, which is attached to the control box.
4. Adjust the stem length to a comfortable height (between 36.2" and 47.2") and secure it with the lock knob.
5. Wrap the search coil cable around the stem, ensuring it is not too tight and does not interfere with adjustments. Plug the cable connector into the port on the control box.
6. Ensure the arm rest is properly positioned for comfortable use.

Battery Installation

The device requires 1 Lithium Polymer battery (included). Open the battery compartment on the control box, insert the battery according to the polarity indicators, and close the compartment securely.

Your browser does not support the video tag.

Video: Step-by-step assembly process for the metal detector.

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Video: Guide for installing components of the metal detector, including battery placement.

OPERATING INSTRUCTIONS

Powering On and Off

Press the **POWER Key** on the control box to turn the detector on or off. The LCD display will illuminate upon activation.

EASY TO OPERATE LCD DISPLAY



Image: Close-up of the SUNPOW OT-MD17 metal detector's LCD display, highlighting various indicators and control buttons.

Detection Modes

The SUNPOW OT-MD17 features 5 detection modes to optimize your search:

- **All Metal Mode:** Detects all types of metal. Ideal for general searching when you want to find any metallic object.
- **DISC Mode:** Allows you to eliminate specific unwanted targets such as bottle caps, foil, 5¢ coins, pull tabs, and 1¢ coins. Use the MENU key and (+/-) keys to select and eliminate targets.
- **Notch Mode:** Provides discrimination against specific categories like foil, 5¢ coins, pull tabs, and 1¢ coins, ignoring common trash items.
- **Pinpoint (PP) Mode:** Used to precisely locate the exact position of a detected target before digging. Press the P-P Key to activate.

- **Volume Mode:** Adjusts the audio output level.

4 SEARCH MODES

ALL METAL MODE

Give the signal to all types of metal



NOTCH MODE

Allows you to reject different type of metals



MEMORY MODE

Search the specific metal you want and eliminate the other metals



PP MODE

Precisely locate the treasures you find

PP

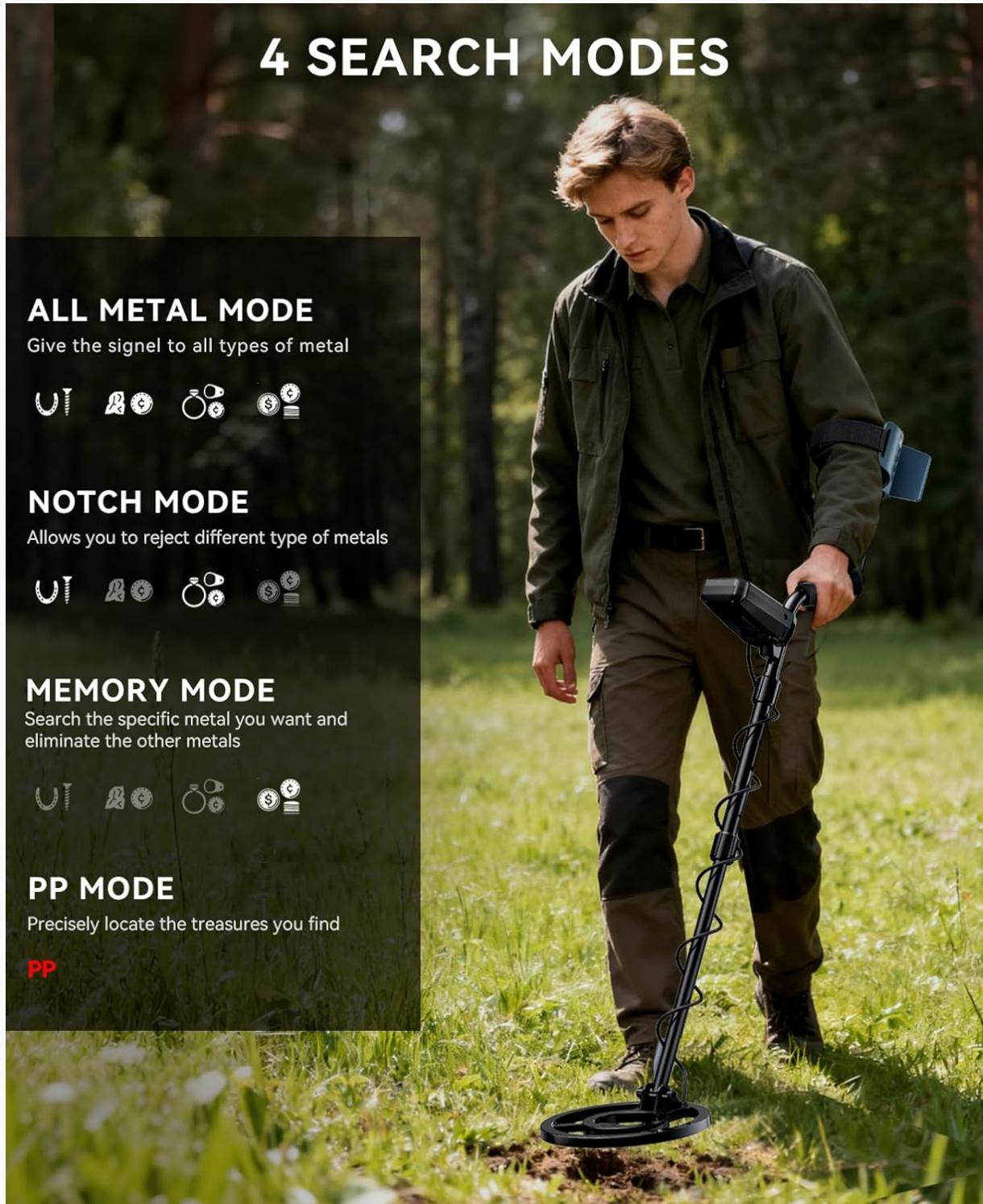


Image: Illustration of a user operating the metal detector, with an explanation of four primary search modes.

Sensitivity Adjustment

Use the SENS button and (+/-) keys to adjust the detector's sensitivity. Higher sensitivity increases detection depth but may also increase false signals in mineralized ground or areas with electromagnetic interference. Start with a moderate sensitivity and adjust as needed.

Target Identification

The LCD display provides visual target identification, including a Digital ID Cursor and Coin Depth Cursor, to help you assess the type and depth of the detected object.



4 KINDS METALS CAN BE DETECTED

Sample	Iron nail	5 ¢ Coin/ Alumium	1 ¢ -10 ¢ Silver Coin /Copper	25 ¢ -50 ¢ Silver Coin
Tone	Low	Middle	High	High
Tpye				
Digital cursor	01-40	41-65	66-85	86-99

Image: Table detailing the tones, types, and digital cursor ranges for different metals detected by the device.

Detection Depth

The upgraded DSP chip allows for a detection depth of up to 10 inches in All Metal mode.

8 INCH DETECTION DEPTH



Image: Visual representation of the metal detector's capability to detect objects buried up to 8 inches deep.

Waterproof Search Coil

The 10-inch search coil is IP68 waterproof, allowing for detection in shallow water. **Note: The control box is not waterproof and must not be submerged.**

IP68 WATERPROOF 8" SEARCH COIL

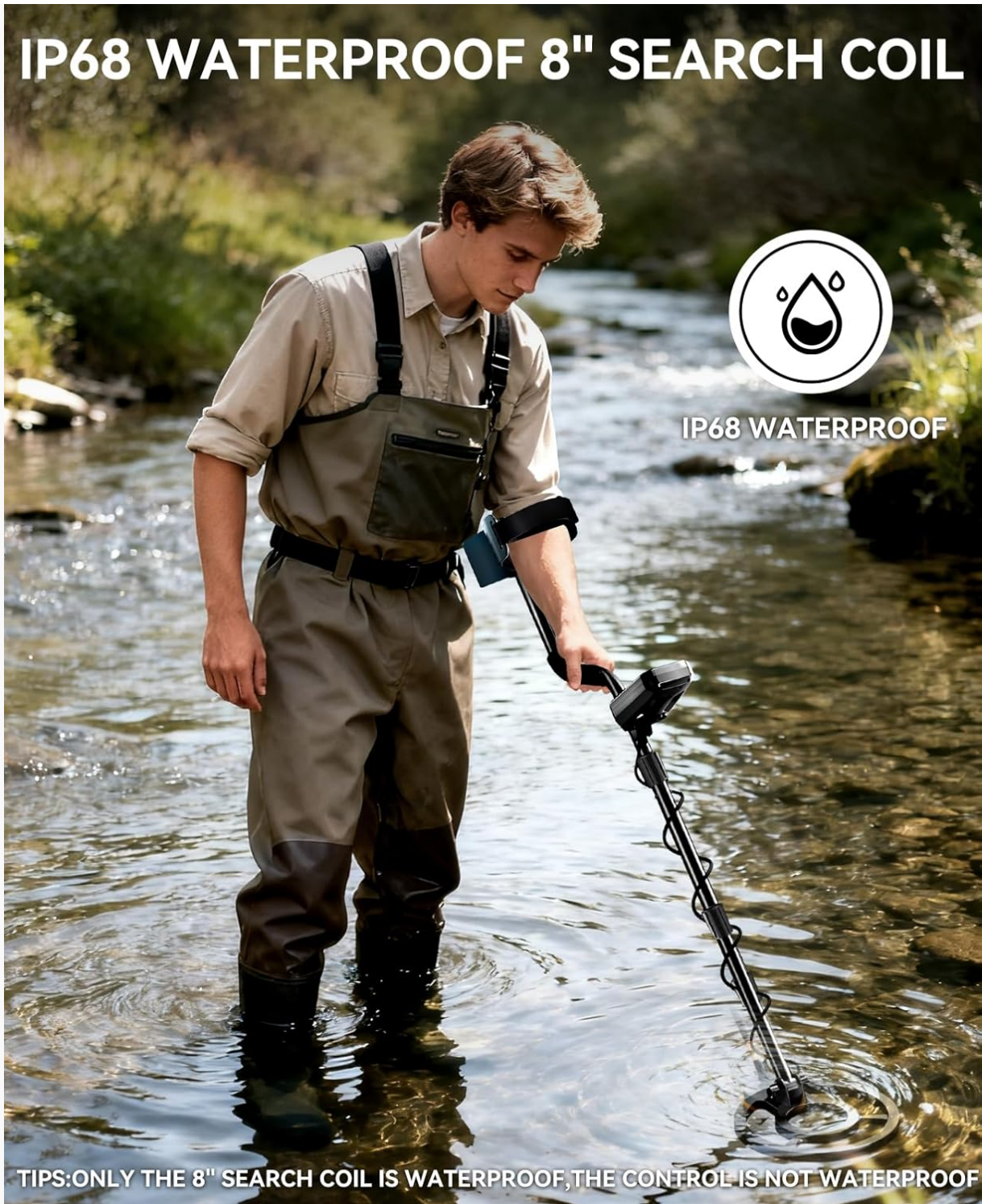


Image: A person using the metal detector with its waterproof search coil partially submerged in water.

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Video: Introductory guide for beginners on how to use a metal detector, covering basic functions and tips.

MAINTENANCE

- **Cleaning:** After each use, especially in wet or sandy conditions, wipe down the search coil and stem with a damp cloth. Ensure the control box remains dry.
- **Storage:** Store the metal detector in a dry, cool place away from direct sunlight and extreme temperatures. If storing for an extended period, remove the battery.
- **Battery Care:** Use only recommended battery types. Recharge the battery as needed and avoid overcharging.
- **Cable Inspection:** Regularly check the search coil cable for any signs of wear or damage.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Dead battery; incorrect battery installation; loose cable connection.	Recharge/replace battery; check battery polarity; ensure all cables are securely connected.
False signals/Erratic behavior	High sensitivity setting; electromagnetic interference; mineralized ground.	Reduce sensitivity; move away from power lines/electronics; perform ground balance if available (refer to advanced settings).
Poor detection depth	Low sensitivity setting; incorrect mode; deeply buried target.	Increase sensitivity; switch to All Metal mode; sweep slower and closer to the ground.
No audio	Volume too low; faulty headphones (if used).	Increase volume; test with/without headphones.

SPECIFICATIONS

Feature	Detail
Model Number	OT-MD17
Detection Depth	Up to 10 inches (in All Metal mode)
Search Coil Size	10 inches
Search Coil Waterproof Rating	IP68
Detection Modes	5 (All Metal, DISC, Notch, Pinpoint, Volume)
Adjustable Stem Length	36.2" to 47.2"
Power Source	1 Lithium Polymer battery (included)
Display Type	Digital LCD
Product Dimensions	30L x 13W x 44H Centimetres (approx.)
Item Weight	1.36 kg (3 Pounds)
Material	Metal

WARRANTY AND SUPPORT

Warranty Information

Your SUNPOW OT-MD17 Metal Detector is covered by a manufacturer's warranty. Please refer to the warranty card included with your product for specific terms, conditions, and duration. Retain your proof of purchase for any warranty claims.

Customer Support

For technical assistance, troubleshooting not covered in this manual, or warranty inquiries, please contact SUNPOW customer support. Contact details can typically be found on the product packaging, the official SUNPOW website, or through your retailer.

Manufacturer: SUNPOW

Place of Business: Hangzhou Sunpow E-commerce Co.,Ltd.