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› SUNPOW MD13 Metal Detector Instruction Manual

SUNPOW MD13

SUNPOW MD13 Metal Detector Instruction Manual

Model: MD13

Brand: SUNPOW

1. INTRODUCTION

Thank you for choosing the SUNPOW MD13 Metal Detector. This device is designed for both adults and kids, offering an easy-to-use interface and robust performance for various treasure hunting adventures. Its lightweight and adjustable design ensures comfortable use for all ages, making it perfect for family activities. The detector features a waterproof search coil, multiple detection modes, and a clear LCD display to enhance your exploration experience.



Image: The SUNPOW MD13 Metal Detector, designed for users of all ages, is shown in an outdoor setting, highlighting its user-friendly design.

2. SAFETY INFORMATION

- Always handle batteries with care. Ensure correct polarity when inserting.
- Dispose of used batteries responsibly according to local regulations.

- Keep the control box dry. While the search coil is IP68 waterproof, the control box is NOT waterproof and should not be submerged in water.
- Avoid using the metal detector in areas with strong electromagnetic interference to prevent false signals.
- Exercise caution when digging to avoid injury from sharp objects or underground utilities.

3. PACKAGE CONTENTS

The SUNPOW MD13 Metal Detector kit includes everything you need to start your treasure hunting adventure:

- SUNPOW MD13 Metal Detector Unit (Control Box, Adjustable Stem, 8" Waterproof Search Coil)
- Folding Digger Shovel
- Headphones
- 2x 9V Batteries
- Carry Bag
- User Manual



Image: A close-up of the folding digger shovel, a versatile tool included in the kit for excavating finds.

For a visual guide to the package contents and initial unboxing, please refer to the video below:

Video: An unboxing and initial assembly overview of the SUNPOW Metal Detector, demonstrating the included components and their basic setup.

4. SETUP AND ASSEMBLY

Assembling your SUNPOW MD13 Metal Detector is quick and easy, requiring no special tools.

1. **Attach Search Coil:** Connect the 8-inch search coil to the lower stem using the provided plastic bolt and nut. Ensure the rubber washers are placed on the inside of the connection points for a secure fit.
2. **Connect Stems:** Insert the middle stem into the lower stem. The adjustable cam lock allows for length customization.
3. **Attach Control Box/Handle:** Slide the control box and handle assembly onto the upper stem. Secure it with the cam lock.
4. **Connect Coil Cable:** Plug the search coil cable into the control box. Wrap the cable securely around the stem to prevent tangling during use.
5. **Install Batteries:** Open the battery compartment on the back of the control box and insert the two 9V batteries, ensuring correct polarity. Close the compartment securely.

6. **Adjust Armrest and Stem Length:** Adjust the armrest for comfortable support and extend or retract the stem to your preferred height using the cam locks.

For a detailed visual guide on assembly, please refer to the unboxing and assembly video in the Package Contents section.

5. OPERATING INSTRUCTIONS

The SUNPOW MD13 is designed for intuitive operation. Familiarize yourself with the controls and display for an optimal experience.

5.1. Power On/Off

- Press the **Power Button** (labeled with a circle and vertical line) to turn the detector ON.
- Press and hold the **Power Button** to turn the detector OFF.

5.2. LCD Display

The large LCD screen provides clear information about detected targets, depth, and current settings.



Image: A close-up of the SUNPOW MD13's LCD display, showing indicators for target ID, coin depth, sensitivity, volume, and mode selection buttons.

- **Target ID:** Displays a numerical value (0-99) indicating the type of metal detected.
- **Coin Depth:** Shows the approximate depth of the target.
- **Sense Indicator:** Displays the current sensitivity level.
- **Battery Level:** Indicates remaining battery power.
- **Volume:** Shows the current audio volume level.
- **Mode Indicator:** Displays the active detection mode.

5.3. Detection Modes

The MD13 offers four easy-to-use detection modes:



Image: A collage illustrating the four detection modes: All Metal, Notch, Memory, and Pinpoint, with examples of their use in various environments.

- **All Metal Mode:** Detects all types of metal. Ideal for beginners to discover everything.
- **Notch Mode:** Allows you to filter out unwanted items (e.g., iron trash) by adjusting the discrimination settings.
- **Pinpoint (PP) Mode:** Used for precise location of a detected target. Press the **PP Button** to activate. The detector will emit a continuous tone, increasing in pitch as you get closer to the target.
- **Memory Mode:** Designed to focus on specific metals you've previously found.

5.4. Sensitivity & Volume Adjustment

- Use the **+** and **-** buttons to adjust the sensitivity level. Higher sensitivity increases detection depth but may also increase false signals.
- Press the **VOL** button to cycle through volume levels.

5.5. Target Identification

The detector provides a numerical Target ID to help identify the type of metal before digging:

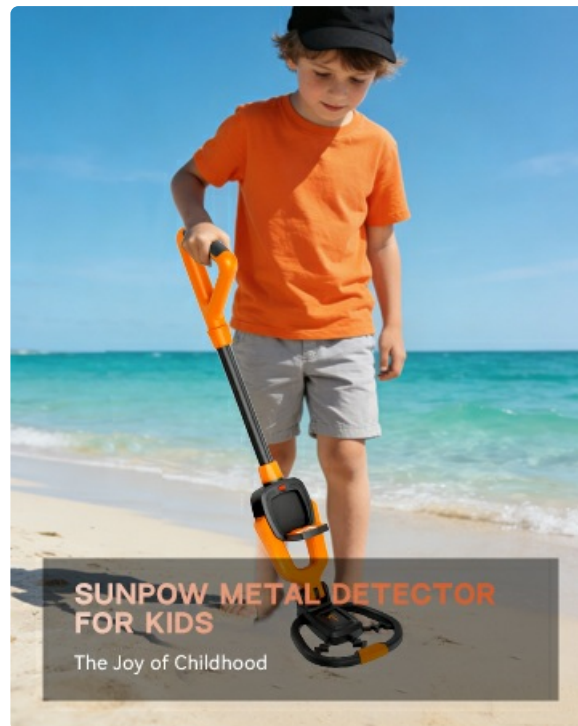


Image: A visual representation of the Smart Metal ID feature, showing different numerical ranges corresponding to various metal types like iron, nickel, copper, and silver coins.

- **0-40:** Typically indicates iron or small ferrous items.
- **41-65:** Often indicates 5-cent coins, pull tabs, or aluminum.
- **66-85:** Commonly indicates 1-cent, 10-cent coins, or copper.
- **86-99:** Usually indicates 25-cent, 50-cent coins, or silver.

5.6. Using Headphones

Plug the included headphones into the 3.5mm jack on the left side of the control box. This allows for clearer audio signals and private searching, especially in noisy environments.

See the detector in action with these demonstration videos:

Video: A user demonstrates the SUNPOW MD13 Metal Detector on a beach, highlighting its lightweight design and ease of use for beginners and families.

Video: This video showcases the pinpoint mode of the SUNPOW MD13 Metal Detector, demonstrating how to accurately locate buried objects with increasing audio pitch.

6. MAINTENANCE

- **Cleaning:** After each use, wipe down the detector's stem and control box with a damp cloth. Ensure the search coil is free of dirt and debris.
- **Water Resistance:** The 8-inch search coil is IP68 waterproof and can be submerged in shallow water. However, the control box is NOT waterproof. Protect it from moisture and rain.
- **Storage:** When not in use for extended periods, remove the batteries from the control box to prevent leakage. Store the detector in its included carry bag in a cool, dry place.

7. TROUBLESHOOTING

- **No Power:** Check if the 9V batteries are correctly installed and have sufficient charge. Replace if necessary.
- **False Signals:** Reduce the sensitivity level. Avoid areas with high electromagnetic interference (e.g., power lines, other electronic devices).
- **Inaccurate Target ID/Depth:** Ensure the search coil is swept parallel to the ground at a consistent height (approximately 1-2 inches). Avoid sweeping too fast.
- **No Detection:** Verify that the detector is turned on and the search coil cable is securely connected. Ensure you are in an appropriate detection mode (e.g., All Metal).

8. SPECIFICATIONS

Feature	Detail
Brand	SUNPOW
Model Number	MD13-US3
Color	MD13P-Black
Material	Acrylonitrile Butadiene Styrene
Power Source	Battery Powered
Batteries Required	Yes (2x 9V, included)
Adjustable Length	Yes
Item Weight	1.4 Pounds
Item Dimensions (L x W x H)	7"L x 4"W x 14"H

9. WARRANTY AND SUPPORT

For specific warranty information, please refer to the product packaging or contact SUNPOW customer support directly. Keep your purchase receipt for any warranty claims.

For further assistance or inquiries, please visit the official SUNPOW website or contact their customer service team.