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› SAKOBS Metal Detector for Adults Professional User Manual

## SAKOBS metal detector

# SAKOBS Metal Detector User Manual

Model: metal detector | Brand: SAKOBS

## INTRODUCTION

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This manual provides comprehensive instructions for the assembly, operation, maintenance, and troubleshooting of your SAKOBS Professional Metal Detector. Designed for adults, this detector features high accuracy, 9 types of metal target detection, an 11" waterproof Double-D coil, an upgraded DSP chip, and an LCD display, offering a detection depth of up to 12.8 inches. Please read this manual thoroughly before using your device to ensure optimal performance and longevity.



Image: The SAKOBS Metal Detector shown with its included accessories: a backpack, a collapsible shovel, and headphones.

## SETUP AND ASSEMBLY

The SAKOBS Metal Detector is designed for easy assembly and portability. Follow these steps to set up your device:

- 1. Unpack Components:** Carefully remove all components from the packaging. Ensure you have the main control unit, adjustable shaft, 11" Double-D search coil, armrest, and any included accessories (headphones, shovel, backpack).
- 2. Attach Search Coil:** Connect the 11" Double-D search coil to the lower rod. Secure it firmly using the provided fasteners.
- 3. Assemble Shaft:** Connect the lower rod with the search coil to the middle rod, and then connect the middle rod to the upper rod (which includes the control unit and armrest). The shaft is adjustable from 26 to 47 inches. Adjust the length to a comfortable position for your height.
- 4. Secure Control Unit:** Ensure the control unit is securely attached to the upper rod.
- 5. Connect Cables:** Route the search coil cable along the shaft and plug it into the designated port on the control unit.

Ensure the cable is not tangled and is secured to the shaft to prevent interference during operation.

6. **Install Batteries:** The device is battery-powered. Insert the required batteries into the battery compartment, typically located on the control unit.



Image: A diagram illustrating the key components of the SAKOBS Metal Detector, including the smart LCD screen, anti-interference thickened wire, ergonomic design, 11-inch Double-Layer Waterproof Search Coil, and adjustable rod length (26 to 47 inches).

The lightweight, foldable aluminum frame allows for easy portability and compact storage. The shaft retracts down to 26 inches, fitting easily into the included backpack.

## OPERATING INSTRUCTIONS

Your SAKOBS Metal Detector is equipped with advanced features for precise metal detection. Familiarize yourself with the control unit and detection modes for optimal use.

### Control Unit and LCD Display

The easy-to-operate LCD display provides real-time information about detected targets and current settings.

# EASY TO OPERATE LCD DISPLAY



Image: A detailed view of the SAKOBS Metal Detector's LCD display, showing indicators for metal target identification, target value, depth indication, battery indication, backlight ON/OFF, power ON/OFF, mode selection, increase/decrease buttons, and pinpoint function.

- **Power ON/OFF:** Press the power button to turn the detector on or off.
- **Mode Selection:** Use the 'MENU' button to cycle through the four specialized detection modes.
- **Increase/Decrease:** Use the '+' and '-' buttons to adjust settings such as sensitivity or volume.
- **Pinpointer (PP):** Activate the pinpoint mode to precisely locate the target once a signal is detected.
- **Backlight:** Toggle the backlight for improved visibility in low-light conditions.

## Detection Modes

The detector offers four specialized modes to increase accuracy and tailor your search:

1. **All Metals Mode (Ⓚ):** Detects all types of metals. This mode is ideal for general searching and ensures no target is missed.
2. **Discs Mode (Ⓛ):** Allows you to distinguish between different forms of metals and ignore unwanted junk.
3. **Jewelry Mode (Ⓜ):** Optimized for finding jewelry, filtering out common iron trash.

4. **Pinpointer Mode (④):** Provides a precise indication of the target's exact location, saving time during recovery.



Image: Visual representation of the four detection modes: Notch (to exclude specific metals), Disc (to distinguish metal forms and ignore junk), All Metals (to detect all metals), and Pinpoint (to precisely locate targets).

### Ground Balance and DSP Chip

The unique Double-D coil automatically adjusts ground balance, reducing interference and enhancing stability across varied terrains. The third-generation DSP chip ensures high precision, fast processing, and real-time feedback for accurate metal detection, allowing you to locate treasures up to 12.8 inches underground.

# 11" DOUBLE-D SEARCH COIL

The Double-D design automatically adjusts ground balance, reduces interference



Image: An illustration of the 11-inch Double-D search coil, highlighting its VLF technology for automatic ground balance adjustment and reduced interference. A bar graph compares its 12.8-inch detection depth to a 6-inch depth of other detectors.

**NEW** **THIRD-GENERATION DSP CHIP**  
Fast processing and real-time feedback for accurate metal detection

**DEPTH +30%**  
**STABILITY +30%**  
**ACCURACY +30%**

**UPGRADED**  
Kalman filter technology DSP Chip

**12.8 inch**  
**ACCURACY**  
Detect 12.8 inches Underground

Image: A diagram showcasing the Third-Generation DSP Chip, emphasizing its benefits: +30% Depth, +30% Stability, and +30% Accuracy. It also illustrates the ability to detect objects up to 12.8 inches underground.

### Metal Identification

This detector is precisely engineered to identify nine metals, including coins, jewelry, gold, silver, and other treasures. The LCD display will show a target value to help identify the type of metal detected.

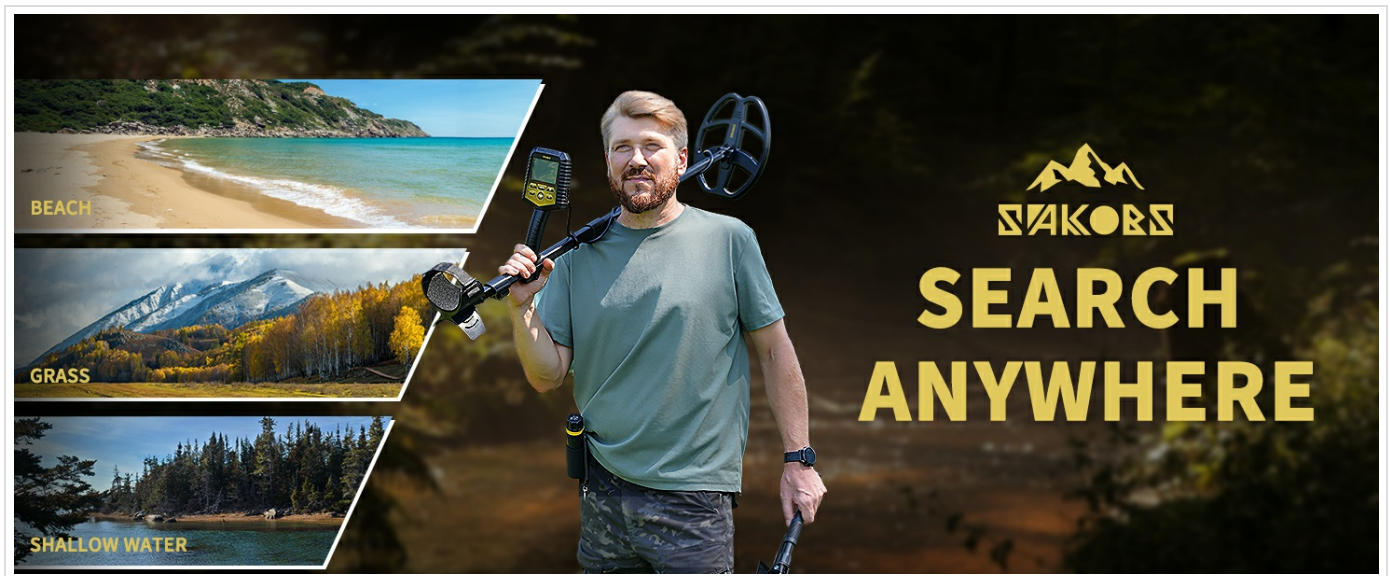


Image: A chart detailing the 9 types of metals that can be detected, along with their corresponding target value ranges (e.g., 0-19 for iron, 20-29 for nickel, 90-99 for 1\$ coins).

### Using the Detector in Various Environments

The SAKOBS metal detector is versatile and can be used in various environments, including beaches, parks, and forests. The waterproof Double-D coil allows for detection in shallow water.



Image: A collage of three images demonstrating the metal detector's use in diverse outdoor settings: a beach, a park, and a forest.

## Upgrade Your Metal Detecting Gear with Free Accessories



Durable and Well-made  
Collapsible Shovel

+



Long-Lasting Lithium Battery,  
Works continuously for 16h+

+



Tangle-Free & Comfortable  
Headphones

+



High Quality  
Portable Backpack

Image: A man using the metal detector on a beach, with text indicating its versatility for searching anywhere, including grass and shallow water.

## Official Product Video

Your browser does not support the video tag.

Video: An official product video demonstrating the SAKOBS Metal Detector in use, highlighting its features and effectiveness in various environments. This video is provided by the seller, DanXiang.

## MAINTENANCE

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Proper maintenance will ensure the longevity and optimal performance of your SAKOBS Metal Detector.

- **Cleaning:** After each use, especially in sandy or wet conditions, wipe down the search coil and shaft with a damp cloth. Avoid using harsh chemicals or abrasive cleaners.
- **Control Unit Care:** Keep the control unit dry. While the search coil is waterproof, the control unit is not designed for submersion. Protect it from heavy rain or direct water spray.
- **Battery Storage:** If storing the detector for an extended period, remove the batteries to prevent leakage and damage to the electronics.
- **Coil Protection:** Avoid dragging the search coil directly on rough surfaces to prevent scratches and damage.
- **Cable Inspection:** Periodically check the cable connecting the search coil to the control unit for any signs of wear or damage.

## TROUBLESHOOTING

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If you encounter issues with your SAKOBS Metal Detector, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No Power	Dead or incorrectly installed batteries.	Replace batteries with fresh ones, ensuring correct polarity.
Erratic Signals / False Alarms	High sensitivity setting, electromagnetic interference, mineralized ground, loose coil cable.	Reduce sensitivity. Move away from power lines or other electronic devices. Perform ground balance. Check and tighten the search coil cable connection.
Poor Detection Depth	Incorrect ground balance, low battery, highly mineralized soil.	Perform ground balance. Replace batteries. Adjust sensitivity or consider a different search location.
Pinpoint Function Off-Target	Improper technique, environmental factors.	Ensure the coil is centered over the target. Practice pinpointing on known targets. Note that the pinpoint aspect might have a learning curve as mentioned in some user reviews.

If the problem persists, please contact SAKOBS customer support for assistance.

## SPECIFICATIONS

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Key technical specifications for the SAKOBS Metal Detector:

- **Brand:** SAKOBS
- **Model Number:** metal detector

- **Color:** Black-Yellow
- **Power Source:** Battery Powered
- **Material:** ABS Plastic+Aluminium
- **Item Weight:** 2.7 Pounds
- **Product Dimensions:** 29"L x 16"W x 43"H
- **Extended Length:** 47 Inches
- **Adjustable Length:** Yes
- **International Protection Rating:** IP68 (for search coil)
- **Operating Frequency:** 9 KHz
- **Recommended Uses:** Metal Detection
- **Display Type:** LED
- **Number of Detection Modes:** 4
- **Search Coil Size:** 11 Inches (Double-D)
- **Detection Depth:** Up to 12.8 inches

## WARRANTY AND SUPPORT

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SAKOBS is committed to providing professional-grade support for your treasure-hunting adventures.

- **Customer Service:** Our dedicated customer service team guarantees a response within 24 hours, ensuring swift and effective solutions to any concerns.
- **Assistance:** Whether it's troubleshooting, product guidance, or warranty assistance, we are here to help.

For further assistance, please refer to the contact information provided with your product packaging or visit the official SAKOBS website.



Image: A graphic indicating a 3-year warranty, assuring customers of product reliability and support.