



Manuals.plus /

› SUFFLA /

› SUFFLA Professional Metal Detector SMD02 Instruction Manual

SUFFLA SMD02

SUFFLA Professional Metal Detector SMD02 Instruction Manual

MODEL: SMD02

Brand: SUFFLA

SUFFLA

metal detector

SMD02

- Upgraded Chip
- Waterproof Coil
- 5 Operation Modes
- Memory Function
- Adjustable Stem
- Camouflage Design



The SUFFLA Professional Metal Detector SMD02, featuring its control unit, search coil, and various accessories, ready for assembly and use.

1. INTRODUCTION

Thank you for choosing the SUFFLA Professional Metal Detector SMD02. This device is designed for efficient and accurate metal detection, suitable for both beginners and experienced users. Equipped with an upgraded DSP chip and an 11-inch waterproof search coil, it offers enhanced sensitivity and detection depth up to 10 inches. This manual provides detailed instructions for assembly, operation, maintenance, and troubleshooting to ensure optimal performance and a rewarding metal detecting experience.

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Official product video showcasing the SUFFLA Professional Adults Metal Detector in various outdoor settings, highlighting its camouflage design and ease of use.

2. SAFETY INFORMATION

Please read and understand all safety instructions before operating the metal detector. Failure to do so may result in injury or damage to the device.

- Always obtain permission before searching on private property.
- Avoid searching in areas where buried electrical cables or gas lines may be present.
- Exercise caution when digging to prevent injury or damage to property.
- The control box is not waterproof. Protect it from moisture and submersion.
- Keep batteries out of reach of children. Dispose of used batteries responsibly.
- Do not operate the metal detector near active construction sites or dangerous areas.

3. PACKAGE CONTENTS

Upon opening your package, please verify that all the following items are included:

- 1 x SUFFLA Professional Metal Detector SMD02 (main unit)
- 1 x Portable Bag
- 1 x High-Quality Headset
- 1 x Digging Shovel with Compass
- 2 x 9V Batteries
- 1 x User Manual (this document)

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Video demonstrating the unboxing and listing of all components included with the Hazlewolke WP6027 metal detector, which shares similar accessories.

4. ASSEMBLY

Follow these steps to assemble your metal detector:

1. **Attach the Search Coil:** Connect the 11-inch waterproof search coil to the lower stem. Ensure it is securely fastened.
2. **Connect the Stems:** Insert the lower stem into the middle stem, and then the middle stem into the upper stem. Secure them using the quick-release clips.
3. **Mount the Control Box:** Slide the control box onto the upper stem and secure it in place.
4. **Wrap the Cable:** Carefully wrap the search coil cable around the stem, ensuring it is not too tight or loose, and plug it into the control box.
5. **Attach Armrest:** Secure the armrest to the upper stem for comfortable operation.

Best Gift For Adults & Kids

41" to 52" Adjustable Stem



The adjustable stem of the SUFFLA metal detector, illustrating its range from 41 inches (smallest) to 52 inches (longest), suitable for both adults and children.

5. SETUP

1. **Battery Installation:** Open the battery compartment on the control box and insert the two 9V batteries, ensuring correct polarity. Close the compartment securely.
2. **Adjust Stem Length:** Adjust the stem length from 41 to 52 inches using the quick-release clips to a comfortable height that allows you to sweep the coil parallel to the ground without bending excessively.
3. **Adjust Armrest:** Position the armrest for optimal comfort and stability during use. The non-slip handle design helps reduce fatigue during long detection sessions.
4. **Headset Connection:** Plug the high-quality headset into the 3.5mm jack on the control box for clear audio signals.

6. OPERATING MODES

The SMD02 features 5 multifunctional detecting modes and additional settings for precise treasure hunting:

- **All Metal Mode:**

This mode detects all types of metal. The detector will notify you whenever it detects any metal, regardless of its type. Ideal for general searching when you want to find everything.



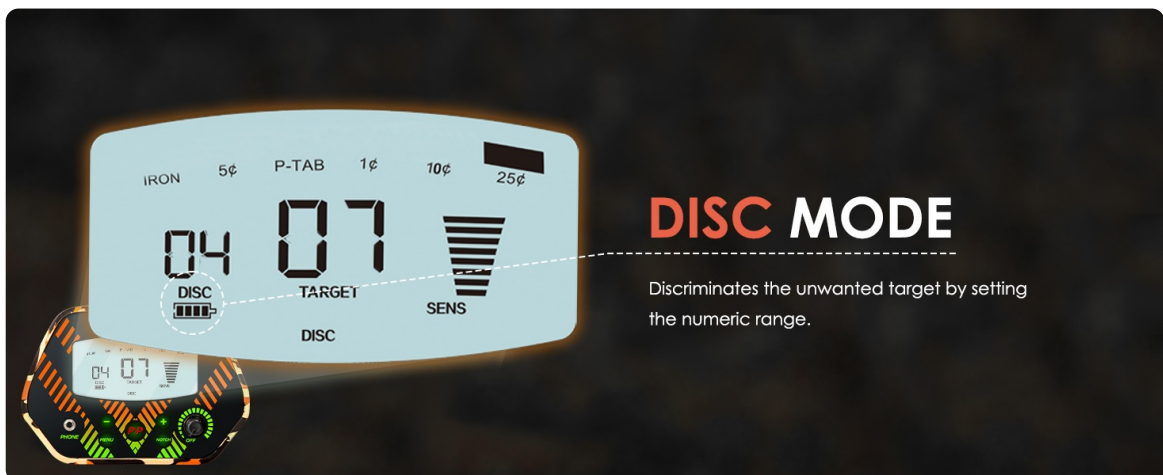
ALL METAL MODE

It can detect lead, bronze, iron, gold, silver, coins, tin, aluminum, silver dollar and other metal objects.

The LCD display indicating 'ALL METAL MODE', which detects lead, bronze, iron, gold, silver, coins, tin, aluminum, and other metal objects.

- **Disc & Notch Mode:**

This mode helps discriminate unwanted metal types. You can adjust the settings to ignore specific metals (e.g., iron, bottle caps) and focus on more valuable targets. The Notch function allows you to selectively eliminate certain conductivity ranges.



DISC MODE

Discriminates the unwanted target by setting the numeric range.

The LCD display in 'DISC MODE', showing how to discriminate unwanted targets by setting a numeric range.



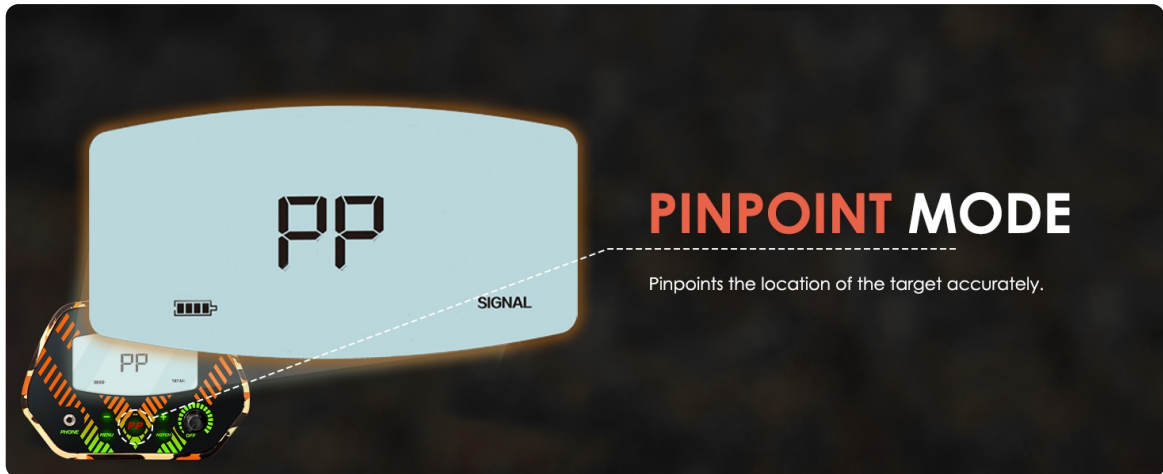
NOTCH MODE

Ignores junk metal and finds valuable items by setting the notch range.

The LCD display in 'NOTCH MODE', illustrating how to ignore junk metal and find valuable items by setting a specific notch range.

- **Pinpoint Mode:**

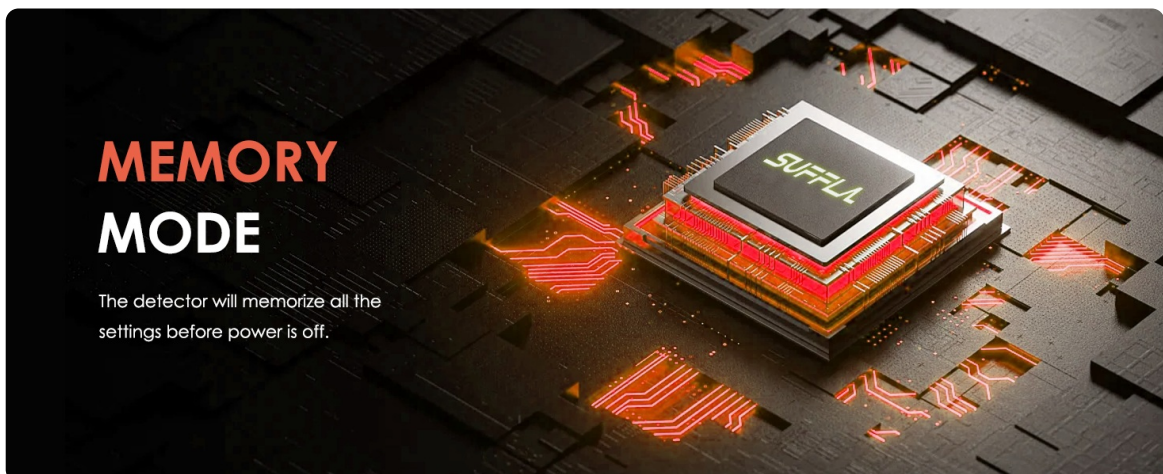
Once a target is detected, activate Pinpoint Mode to accurately locate its exact position. This helps in minimizing digging and precisely extracting the item.



The LCD display in 'PINPOINT MODE', used to accurately pinpoint the location of a detected target.

- **Memory Mode:**

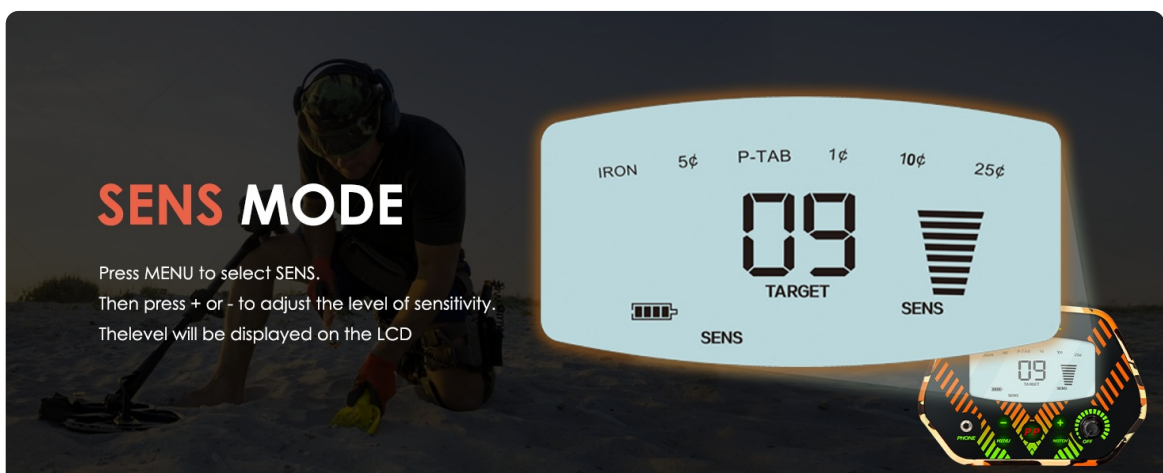
This mode retains all settings from your last use. Additionally, you can use it to memorize a specific target's signature and then search exclusively for that type of object, filtering out all others.



The LCD display in 'MEMORY MODE', indicating that the detector will memorize all settings before power-off.

- **SENS Mode:**

Adjust the level of sensitivity to detect the metal you want. Higher sensitivity can detect smaller or deeper objects, but may also pick up more interference. Adjust as needed for your environment.



The LCD display in 'SENS MODE', showing how to adjust the sensitivity level to detect desired metals.

- **Backlight:**

The intuitive LCD display includes an adjustable backlight, which is greatly helpful for searching in dark situations or at night.



The LCD display with its backlight feature, useful for metal detecting in low-light conditions.

- **Numeric Ranges of Target Indications:**

The LCD screen provides numeric ranges to help identify the type of metal detected:

Range	Metal Type
00-10	Iron, Iron Scap, or Iron Relic
11-20	5¢ or a Nickel
21-40	P-TAB (Pull Tab)
41-60	1¢ or type of metal of zinc alloy
61-75	10¢ or large rough gold items
76-99	25¢ or a silver coin



A visual representation of the numeric ranges displayed on the LCD screen, correlating to different types of metal targets.

Your browser does not support the video tag.

Video providing detailed operation instructions for the Hazlewolke WP6027 metal detector, demonstrating sensitivity and discrimination settings.

7. OPERATION TIPS

- **Sweeping Technique:** Hold the search coil parallel to the ground, about 1 to 2 inches off the surface. Sweep the coil slowly from side to side in overlapping arcs. Avoid lifting the coil at the end of each sweep.
- **Ground Balance:** The detector automatically adjusts to ground conditions. If you experience excessive false signals, try reducing the sensitivity.
- **Target Identification:** Pay attention to the audio tones and the numeric display on the LCD screen to help identify potential targets before digging.
- **Waterproof Coil:** The 11-inch search coil is waterproof, allowing for detection in shallow water, beaches, streams, and rivers. **Note: The control box is NOT waterproof.**

A person using the SUFFLA metal detector on a beach, demonstrating its use for finding gold and silver items.

8. MAINTENANCE

- **Cleaning:** After each use, wipe down the search coil and stem with a damp cloth. Ensure the control box remains dry.
- **Storage:** Store the metal 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. Use high-quality 9V batteries for optimal performance.

9. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Dead or incorrectly installed batteries	Replace batteries with new 9V batteries, ensuring correct polarity.
False signals/Chattering	High sensitivity, electromagnetic interference, mineralized ground	Reduce sensitivity (SENS Mode). Move away from power lines or other electronic devices. Use DISC/NOTCH mode to filter out unwanted signals.
No detection	Low sensitivity, coil not sweeping correctly, target too deep	Increase sensitivity. Ensure the coil is swept slowly and parallel to the ground. Check if the target is within the detection depth.
Inaccurate target ID	Multiple targets, target size/shape, ground mineralization	Use Pinpoint Mode for precise location. Adjust DISC/NOTCH settings. Practice with known targets to understand ID responses.

10. SPECIFICATIONS

Feature	Detail
Brand	SUFFLA
Model Number	SMD02
Color	Camouflage Orange with Green
Power Source	Battery Powered (2 x 9V batteries)
Material	Metal
Item Weight	2.8 Pounds (approx. 1.27 kg)
Product Dimensions	10"L x 10"W x 52"H (approx. 25.4cm L x 25.4cm W x 132cm H)
Extended Length	52 Inches (approx. 132 cm)
Adjustable Length	Yes (41" to 52")
Search Coil Size	11 Inches
International Protection Rating	IP54 (Search coil is waterproof, control box is not)
Recommended Uses	Metal Detection, Underwater Treasure Hunting

11. WARRANTY AND SUPPORT

For warranty information, technical support, or any inquiries regarding your SUFFLA Professional Metal Detector SMD02, please refer to the contact details provided on the product packaging or visit the official SUFFLA website. Keep your purchase receipt as proof of purchase for warranty claims.