

Bounty Hunter VLF2.1

Bounty Hunter VLF2.1 Metal Detector User Manual

INTRODUCTION

This manual provides essential information for the proper assembly, operation, and maintenance of your Bounty Hunter VLF2.1 Metal Detector. Please read these instructions thoroughly before using the device to ensure optimal performance and longevity.

SAFETY INFORMATION

- **Battery Safety:** Always use the correct type and size of batteries. Ensure batteries are inserted with correct polarity. Do not mix old and new batteries, or different types of batteries. Remove batteries if the device will not be used for an extended period.
- **Not for Children:** This product is not suitable for children. Adult supervision is required if used by individuals under 18.
- **Environmental Awareness:** Be aware of your surroundings when operating the metal detector. Avoid areas with live electrical cables or unexploded ordnance.
- **Digging Safety:** Always obtain permission before searching on private property. Exercise caution when digging to avoid damaging underground utilities or historical artifacts.

PACKAGE CONTENTS

Verify that all items are present in your package:

- Bounty Hunter VLF2.1 Metal Detector Unit
- Instruction Manual (this document)

SETUP

1. Battery Installation

The VLF2.1 Metal Detector requires two 9V batteries (not included).

1. Locate the battery compartment, typically on the underside or rear of the control housing.
2. Open the battery compartment cover.
3. Insert two 9V batteries, ensuring correct polarity (+ and - terminals match the markings inside the compartment).
4. Close the battery compartment cover securely.

2. Assembly

Assemble the metal detector by connecting the search coil to the lower stem, then attaching the lower stem to the upper stem, and finally securing the control housing to the upper stem. Ensure all connections are tight but do not overtighten.

3. Adjusting the Detector

While the length is not adjustable, ensure the search coil is parallel to the ground when held comfortably. The armrest should support your forearm, allowing for comfortable sweeping motions.

OPERATING INSTRUCTIONS

Control Panel Overview



Image: The control panel of the Bounty Hunter VLF2.1 Metal Detector. It features an analog meter labeled 'METAL DETECTOR VLF' at the top, with a needle indicating signal strength from 0 to 10. A 'BATT OK' indicator is visible on the meter. Below the meter are two rotary knobs: 'Power' on the left with an 'OFF' position, and 'Eliminator' on the right with a 'BATT TEST' position. These controls are used for sensitivity adjustment, discrimination, and battery testing.

1. Powering On and Off

To power on the detector, rotate the **Power** knob clockwise from the 'OFF' position. To power off, rotate it counter-clockwise to 'OFF'.

2. Battery Test

To check battery status, rotate the **Eliminator** knob to the 'BATT TEST' position. The needle on the analog meter should point to the 'BATT OK' section. If it does not, replace the 9V batteries.

3. Sensitivity Control (Power Knob)

The **Power** knob also controls the detector's sensitivity. Turning it clockwise increases sensitivity, allowing detection of smaller or deeper objects. However, higher sensitivity can also increase false signals in mineralized ground or areas with electrical interference. Adjust for stable operation.

4. Discrimination Control (Eliminator Knob)

The **Eliminator** knob allows you to filter out unwanted metals, such as iron. Turning this knob clockwise increases the level of discrimination. This means the detector will ignore certain types of metal, indicated by a lack of audio response. Experiment with this setting to find the optimal balance for your search environment.

5. Search Modes

The VLF2.1 offers 2 search modes, typically controlled by the discrimination setting:

- **All-Metal Mode:** With the Eliminator knob set to its lowest discrimination, the detector will respond to all types of metal. This mode offers the greatest depth detection.
- **Discrimination Mode:** As you increase the Eliminator setting, the detector will begin to ignore iron and other unwanted targets, allowing you to focus on more desirable metals.

6. Detecting Objects

Sweep the search coil slowly and steadily from side to side, keeping it parallel to the ground and approximately 1-2 inches above the surface. When a metal object is detected, the detector will emit an audible tone, and the needle on the analog meter will move. The volume of the tone is proportional to the signal strength, indicating the proximity and size of the object. Coin-sized objects can be detected up to 5 inches deep, with larger items detectable at greater depths.

MAINTENANCE

- **Cleaning:** Wipe down the detector with a damp cloth after each use. Avoid using abrasive cleaners or solvents. The search coil is weather-resistant but the control housing is not fully waterproof; avoid submerging it.
- **Storage:** Store the detector in a dry, cool place. Remove batteries if storing for extended periods to prevent leakage.
- **Coil Protection:** Consider using a coil cover (if available) to protect the search coil from scratches and abrasion.

TROUBLESHOOTING

No Power

- Check battery installation and polarity.
- Ensure batteries are fresh and fully charged.
- Perform a battery test using the Eliminator knob.

Erratic Signals / False Signals

- Reduce the **Power** (sensitivity) setting.
- Increase the **Eliminator** (discrimination) setting to filter out unwanted metals or ground mineralization.

- Ensure no other electronic devices are operating nearby.
- Check that the search coil cable is securely connected and not damaged.

Weak or No Detection

- Increase the **Power** (sensitivity) setting.
- Ensure the search coil is being swept correctly and close to the ground.
- Verify batteries are fresh.

SPECIFICATIONS

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| Brand | Bounty Hunter |
| Model Number | BOU-VLF2.1 |
| Power Source | Battery Powered (2 x 9V batteries, not included) |
| Item Weight | 2.9 Pounds |
| Display Type | LED (Analog Meter) |
| Item Dimensions (L x W x H) | 24.9" x 7.3" x 5.6" |
| International Protection Rating | IP66 |
| Recommended Uses | Metal Detection |

WARRANTY AND SUPPORT

The Bounty Hunter VLF2.1 Metal Detector comes with a **1-year manufacturer's warranty**. For warranty claims or technical support, please refer to the contact information provided with your purchase documentation or visit the official Bounty Hunter website. Keep your proof of purchase for warranty validation.