Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

VIVOHOME VH820

VIVOHOME High Accuracy Metal Detector User Manual

Model: VH820

1. Introduction

Thank you for choosing the VIVOHOME High Accuracy Metal Detector. This device is designed for both adults and children, offering a versatile tool for exploring various terrains such as mountains, beaches, fields, and urban areas. It is ideal for locating lost items like rings, watches, and other metallic objects, making it suitable for gold prospectors, relic hunters, coin hunters, jewelry seekers, and beginners alike. This manual provides detailed instructions for the proper assembly, operation, maintenance, and troubleshooting of your metal detector to ensure optimal performance and longevity.



Figure 1: VIVOHOME High Accuracy Metal Detector and Accessories

2. Safety Information

- Always obtain permission before searching on private property.
- Avoid searching in areas where underground cables or pipes may be present.
- Exercise caution when digging to avoid injury or damage to property.
- Do not use the detector during electrical storms.
- Keep the device away from extreme temperatures and direct sunlight for prolonged periods.
- Ensure batteries are inserted correctly and dispose of used batteries responsibly.

3. Package Contents

Verify that all items are present in the package:

- VIVOHOME High Accuracy Metal Detector Unit
- 9-inch IP68 Waterproof Search Coil
- Camping Shovel
- Carrying Bag
- 2 x 6F22/9V Batteries
- User Manual (this document)

4. Product Overview and Components

Familiarize yourself with the main components of your metal detector. The control box houses the LCD screen and all operational buttons.



Figure 2: Control Box and LCD Display Layout

Key Components:

- **HD LCD Screen:** Displays metal type, depth, sensitivity, and battery status.

- **Headphone Jack (PHONE):** 3.5mm port for connecting headphones.
- **Menu Button:** Accesses various settings.
- **Pinpoint Button (PP):** Used for precise localization of detected objects.
- **Notch Button:** Activates Notch mode for discriminating specific metals.
- **Increase/Decrease Buttons (+/-):** Adjusts sensitivity and other settings.
- **Power/Volume Switch (OFF/VOLUME):** Turns the unit on/off and adjusts volume.
- **Search Coil:** 9-inch waterproof coil for detecting metals.
- **Adjustable Stem:** Allows for length adjustment.
- **Ergonomic Handle Grip & Padded Armrest:** Provides comfort during use.

5. Setup and Assembly

5.1 Battery Installation

1. Locate the battery compartment on the control box.
2. Open the compartment cover.
3. Insert 2 x 6F22/9V batteries, ensuring correct polarity (+/-).
4. Close the battery compartment cover securely.

5.2 Assembling the Detector

1. Attach the search coil to the lower stem.
2. Connect the lower stem to the middle stem, and then to the upper stem which holds the control box and handle.
3. Secure all connections firmly.
4. Wrap the cable from the search coil around the stem and plug it into the corresponding port on the control box.

5.3 Adjusting Length and Angle

The detector's length is adjustable from 42.5 to 52.5 inches, and the search coil's angle can also be adjusted for comfortable use by both children and adults.

- To adjust the length, loosen the locking collar on the stem, extend or retract to the desired length, and then tighten the collar.
- To adjust the search coil angle, loosen the knob connecting the coil to the stem, set the desired angle, and tighten the knob.



Figure 3: Ergonomic Design and Adjustable Features

6. Operating Instructions

6.1 Powering On/Off and Volume Control

Rotate the Power/Volume switch clockwise to turn on the detector. Continue rotating to increase the volume. Rotate counter-clockwise to decrease volume and turn off the device.

6.2 Understanding the HD LCD Screen

The LCD screen provides crucial information during operation:

- **Metal Type Indicator:** Displays the probable type of metal detected (e.g., Iron, 5¢, P-TAB, 1¢, 10¢, 25¢).
- **Depth Indicator:** Estimates the depth of the detected object.
- **Sensitivity Level:** Shows the current sensitivity setting.
- **Battery Indicator:** Displays remaining battery life. Replace batteries when the indicator is low.
- **Light Mode:** Allows adjustment of screen luminance for different environments.

6.3 Sensitivity Adjustment

Press the **+** or **-** buttons to adjust the sensitivity. Higher sensitivity increases detection depth but may also increase false signals in highly mineralized ground or areas with electrical interference. Start with a medium sensitivity and adjust as needed.

6.4 Sound and Light Signals

The detector provides both audible and visual signals upon detection:

- **Sound Signals:** 3 distinct tones (high, medium, low) correspond to different types of metal.
    - *Low Tone:* Typically indicates iron or small, low-conductive objects.
    - *Medium Tone:* Often indicates medium-conductive metals like pull tabs or some gold items.
    - *High Tone:* Usually indicates high-conductive metals such as silver, copper, or large brass objects.
- **Light Signals:**
    - *Green Light:* Indicates detection of non-ferrous metals (e.g., copper, aluminum, gold, silver).
    - *Red Light:* Indicates detection of ferrous metals (iron).

6.5 Operating Modes

The VIVOHOME metal detector offers several smart modes to enhance your search:

- **SENS Mode (All Metal):** This is the default mode when DISC is not active. In SENS mode, the detector will respond to all types of metal, regardless of their conductivity. This mode offers the deepest detection.
- **DISC Mode (Discrimination):** Press the **MENU** button to cycle through modes until DISC is selected. In DISC mode, you can eliminate certain types of metal from detection. Use the **+** or **-** buttons to adjust the discrimination level, ignoring unwanted metals like iron or foil.
- **NOTCH Mode:** Press the **NOTCH** button. This mode allows you to selectively "notch out" specific categories of metals while still detecting others. For example, you can shield iron metals so only precious metals are detected. Use the **+** or **-** buttons to select the target category to notch out.
- **Pinpoint Mode (PP):** Once a target is detected, press and hold the**PP** (Pinpoint) button on the handle. This mode helps you accurately narrow down the exact location of the object by providing a continuous tone that increases in intensity as you move closer to the target.



Figure 4: DISC & NOTCH Mode Functionality and Detection Depth

6.6 Searching Tips

- Sweep the search coil slowly and steadily from side to side, keeping it parallel to the ground and about 1-2 inches above the surface.
- Overlap each sweep by about half the coil's diameter to ensure thorough coverage.
- When a signal is detected, use the Pinpoint mode to narrow down the target's exact location before digging.
- Practice in an area with known metal objects to get familiar with the detector's tones and responses.

7. Maintenance

Proper maintenance will extend the life of your VIVOHOME metal detector.

- **Cleaning:** After each use, especially in sandy or muddy conditions, wipe down the search coil and stem with a damp cloth. The 9-inch search coil is IP68 waterproof and can be rinsed, but ensure the control box is kept dry as it is only IP54 rated.

- **Battery Care:** Remove batteries if the detector will not be used for an extended period to prevent leakage.
- **Storage:** Store the detector in a cool, dry place, away from direct sunlight and extreme temperatures. Use the provided carrying bag for protection during transport and storage.
- **Cable Management:** Ensure the cable from the search coil is not kinked or damaged.



Figure 5: Waterproof Search Coil and Convenient Carrying Bag

8. Troubleshooting

If you encounter issues with your metal detector, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No power/Detector does not turn on.	Batteries are dead or low. Batteries inserted incorrectly. Power switch not fully turned on.	Replace with fresh 9V batteries. Check battery polarity. Ensure the Power/Volume knob is rotated fully clockwise.

Problem	Possible Cause	Solution
Constant false signals or chattering.	High sensitivity setting. Electrical interference (power lines, other electronics). Highly mineralized ground. Loose coil cable connection.	Reduce sensitivity. Move away from sources of interference. Try using DISC or NOTCH mode. Ensure the coil cable is securely plugged in.
Poor detection depth.	Low sensitivity setting. Incorrect sweep technique. Batteries are low.	Increase sensitivity. Ensure slow, even sweeps with coil parallel to ground. Replace batteries.
Inaccurate metal identification.	Target is too deep or small. Multiple targets close together. Interference.	Use Pinpoint mode for better accuracy. Adjust sweep speed. Reduce sensitivity if in a noisy area.

9. Specifications

Detailed technical specifications for the VIVOHOME Metal Detector Model VH820:

Brand	VIVOHOME
Model Number	VH820
Color	Black
Material	Plastic
Power Source	Battery Powered
Batteries Required	Yes (2 x 6F22/9V, included)
Item Weight	5 Pounds (approx. 2.27 kg)
Adjustable Length	42.5 - 52.5 Inches (approx. 108 - 133 cm)
Search Coil Size	9 Inches
International Protection Rating (Search Coil)	IP68 (Waterproof)
International Protection Rating (Control Box)	IP54 (Splash-proof)
Operating Frequency	6.4 KHz
Package Dimensions	17.32 x 10.16 x 4.72 inches (approx. 44 x 25.8 x 12 cm)



Figure 6: Product Dimensions

10. Warranty and Support

VIVOHOME products are designed for quality and reliability. For information regarding warranty coverage, technical support, or replacement parts, please visit the official VIVOHOME website or contact their customer service.
VIVOHOME Official Website: www.vivohome.com (Note: This is a placeholder URL, please verify the actual official website for VIVOHOME support.)

© 2023 VIVOHOME. All rights reserved.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the

question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

https://manuals.plus/asin/B08LMLHS4C

More documents and user manuals: **https://manuals.plus/**