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Garrett Metal Detectors VX5

Garrett Metal Detectors Vortex VX5 - Instruction Manual

Model: VX5

1. Introduction and Overview

The Garrett Vortex VX5 is a professional metal detector designed for versatile use across various terrains, including underwater environments. It features advanced multi-frequency technology, wireless audio capabilities, and a durable, waterproof design. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your Vortex VX5 metal detector.

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Video 1: Vortex - No Limits. This video provides an overview of the detector's capabilities across different environments, including mountains, plains, sea, and underwater.

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Video 2: Vortex - Intro. This video introduces the Garrett Vortex series, highlighting its all-terrain performance and target analysis features.

Key Features:

- **Multi-Frequency Ready:** Choose 13 kHz or powerful MD-MF mode for deep and accurate target detection.
- **Wireless Audio Built-In:** Z-Lynk wireless technology pairs with compatible headphones (sold separately) for freedom in the field.
- **Submersible to 16 Feet:** Durable and fully waterproof for detecting in rivers, lakes, and wet terrain.
- **Fast & Precise Target ID:** Single-scale MD-MF Target ID, pinpoint mode, and iron discrimination help reduce junk finds.
- **Upgradeable Design:** Transform your VX5 into VX7 or VX9 with paid software upgrades as your skills grow.

2. Setup

Proper assembly and initial setup are crucial for optimal performance of your Vortex VX5 metal detector.

2.1 Assembly

1. **Extend the Shaft:** Fully extend the straight shaft to your preferred operating length. The shaft is designed for adjustability to suit various user heights.
2. **Attach the Searchcoil:** Securely attach the 8.5” x 11” searchcoil to the lower shaft. Ensure the coil cable is wrapped snugly around the shaft to prevent tangling and false signals.
3. **Connect the Control Box:** Connect the searchcoil cable to the control box. Ensure the connection is tight and secure to maintain waterproofing.
4. **Adjust the Armrest:** Position the armrest for comfortable use, ensuring your forearm is supported without restricting

movement.

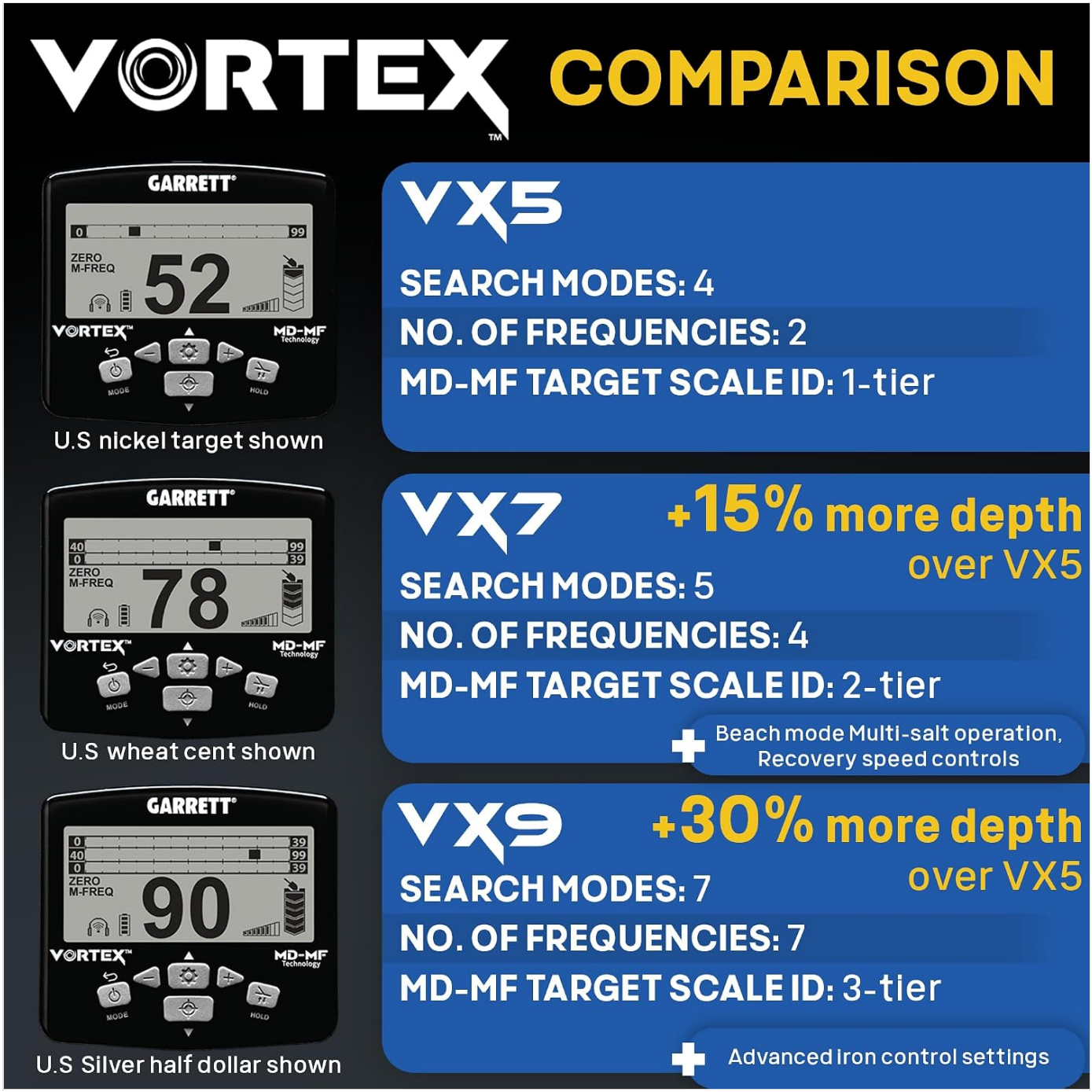


Figure 1: Fully assembled Garrett Vortex VX5 metal detector.

2.2 Charging the Battery

The Vortex VX5 is powered by a rechargeable battery. Use the provided USB-C cable to charge the unit. A full charge provides approximately 15 hours of continuous use.

- Locate the USB-C port on the control box.
- Open the protective cover and insert the USB-C cable.
- Connect the other end of the cable to a compatible USB power source.
- The battery indicator on the display will show charging status.

2.3 Ground Balancing

Ground balancing is essential to eliminate false signals caused by ground mineralization. Refer to the operating section for detailed instructions on performing ground balance.

3. Operating Your Vortex VX5

The Vortex VX5 features intuitive controls for easy operation.

3.1 Power On/Off

Press and hold the **MODE** button (power icon) to turn the detector on or off.

3.2 Mode Selection

The VX5 offers several search modes tailored for different detecting conditions:

- **ZERO:** All-metal mode, detects all types of metal.
- **STANDARD:** General purpose mode, good for most international coins and non-ferrous relics.
- **US COINS:** Optimized for common US coin denominations.
- **CUSTOM:** Allows users to save personalized discrimination patterns.
- **BEACH:** Optimized for highly mineralized saltwater beach environments.
- **FAST:** Increased reaction speed for trashy areas.
- **THIN COINS:** Enhanced response for thin, low-conductive coins like hammered silver.

To select a mode, press the **MODE** button repeatedly until the desired mode is highlighted on the display. Press the **Pinpoint/Select** button to confirm your selection.

3.3 Frequency Selection

The VX5 supports 13 kHz and MD-MF (Multi-Dimensional Multi-Frequency) operation.

- Access the frequency setting via the **Menu** button (gear icon).
- Use the **Plus (+)** or **Minus (-)** buttons to toggle between 13 kHz and MD-MF.
- MD-MF provides powerful, simultaneous multi-frequency detection for a wide range of targets.

3.4 Adjusting Settings (Sensitivity, Volume, Iron Discrimination)

The Vortex VX5 features intuitive menu navigation for adjusting various settings.

1. Press the **Menu** button (gear icon) to enter the settings menu.
2. Use the **Up (^)** or **Down (v)** arrow buttons to scroll through available settings (e.g., Sensitivity, Volume, Iron Volume, Frequency, Channel).
3. Once the desired setting icon is highlighted, use the **Plus (+)** or **Minus (-)** buttons to adjust its value.
4. The display will show the current value or status of the setting.

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Video 3: How Does It Perform in Freezing Weather? This video demonstrates the detector's assembly, menu navigation, and performance in cold conditions.

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Video 4: Deep Test Breakdown! This video showcases the detector's performance in various test scenarios, including target separation and depth.

3.5 Pinpoint Mode

Press and hold the **Pinpoint/Select** button (target icon) to activate pinpoint mode. This helps to precisely locate the target before digging.

3.6 Dive Lock Feature

The Vortex VX5 is submersible up to 16 feet. To prevent accidental button presses underwater, activate the dive lock feature by holding the **HOLD** button (lock icon) for 2 seconds. Repeat to unlock.



Figure 2: Detecting underwater with the Garrett Vortex VX5.

4. Maintenance

Regular maintenance ensures the longevity and optimal performance of your metal detector.

4.1 Cleaning

- After each use, especially in wet or sandy conditions, rinse the searchcoil and lower shaft with fresh water.
- Wipe down the control box with a damp cloth. Avoid using abrasive cleaners or solvents.
- Ensure all port covers (e.g., USB-C) are securely closed to maintain waterproofing.

4.2 Battery Care

- Charge the battery fully before long periods of storage.
- Avoid completely draining the battery regularly to prolong its lifespan.
- Store the detector in a cool, dry place.

4.3 Storage

The collapsible design of the Vortex VX5 allows for compact storage.

- Collapse the shaft to its shortest length.
- Rotate the searchcoil parallel to the shaft.
- Store the detector in a protective bag or case to prevent damage.

5. Troubleshooting

If you encounter issues with your Vortex VX5, try the following common troubleshooting steps:

- **False Signals:** Ensure the searchcoil cable is tightly wrapped around the shaft and not swinging freely. Re-perform ground balance. Reduce sensitivity.
- **No Power:** Check if the battery is charged. Ensure the USB-C port is clean and the charging cable is properly connected.
- **No Audio:** Check headphone connection (if wired) or Z-Lynk pairing (if wireless). Ensure volume is not set to zero.
- **Inaccurate Target ID:** Ensure the searchcoil is parallel to the ground and swept at a consistent height. Re-perform ground balance.

For persistent issues, please contact Garrett Metal Detectors customer support.

6. Specifications

Brand	Garrett Metal Detectors
Model Number	VX5
Technology	MD-MF (Multi-Dimensional Multi-Frequency)
Operating Frequencies	13 kHz, MD-MF
Waterproof Depth	Up to 16 feet (5 meters)
Searchcoil	8.5” x 11” DD Viper Searchcoil
Wireless Audio	Z-Lynk Wireless Technology (compatible with headphones sold separately)
Weight	2.9 lbs (1.3 kg)
Power Source	Rechargeable Battery (USB-C charging)
Adjustable Length	Collapsible shaft for compact storage

Vortex Series Comparison:

The Vortex series offers upgradable performance across its models:



Figure 3: Comparison of Vortex VX5, VX7, and VX9 models, showing differences in search modes, frequencies, and target ID scales.

7. Warranty

The Garrett Metal Detectors Vortex VX5 comes with a 3-year protection plan, ensuring peace of mind for your investment.

- This warranty covers manufacturing defects and workmanship under normal use.
- For full details on warranty coverage, terms, and conditions, please refer to the official Garrett Metal Detectors website or contact customer support.

8. Support

For additional assistance, product registration, or to purchase accessories, please visit the official Garrett Metal Detectors resources:

- **Official Website:** www.garrett.com
- **Online Store:** Garrett Metal Detectors Amazon Store
- **Customer Service:** Refer to the contact information provided on the official website for technical support and service inquiries.

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