Garrett gtx556

Garrett ATX Extreme Pulse Induction Metal Detector User Manual

Model: gtx556

1. INTRODUCTION

The Garrett ATX Extreme is a multi-frequency pulse induction metal detector designed for all terrains and extreme conditions, including highly mineralized ground and saltwater environments. This manual provides essential information for the proper assembly, operation, and maintenance of your ATX Extreme metal detector to ensure optimal performance and longevity.

Figure 1: Assembled Garrett ATX Extreme Pulse Induction Metal Detector.

2. PRODUCT FEATURES

The Garrett ATX Extreme incorporates advanced technology and design for superior metal detection:

- **Maximum Detection:** Simultaneously detects all targets without needing to switch modes, ensuring consistent performance across various target types.

- **Ground Track:** Features 4 settings to effectively manage rapidly changing ground mineralization, optimizing detection in diverse soil conditions.

- **LED Indicators:** Provides visual feedback on signal strength and current settings for easy monitoring.

- **Waterproof Speaker:** Integrated speaker allows for operation without headphones, suitable for various environments.

- **Frequency Scan:** An automatic function to minimize Radio Frequency Interference (RFI), ensuring clearer signals.

- **Volume Control:** Adjustable volume to limit the response of large signals, helping to discern deeper or fainter targets.

- **Advanced Ground Balance:** Offers a wide range for ground balancing, from heavily mineralized ground

(e.g., ironstone) to saltwater, without requiring special mode changes.

- **Exclusive Design DD Searchcoil:** Enhances the detection of small items without compromising scanning speed.
- **Motion and Non-Motion Modes:** Provides flexible operation based on user preference and specific hunting conditions.
- **Fully Collapsible Design:** The detector can be operated fully extended, fully collapsed, or at any length in between for convenient transport and use.
- **Quick Iron Check:** A feature for quickly identifying iron targets.
- **Adjustable Discrimination:** Allows for customization to ignore unwanted targets.

3. COMPONENTS AND WHAT'S IN THE BOX

Before assembly, ensure all components are present:

- ATX Extreme Control Housing with Armrest
- Adjustable Stem
- DD Searchcoil
- Headphones
- Battery Charger
- Rechargeable Batteries
- Carry Bag
- User Manual (this document)

Figure 2: Included accessories for the Garrett ATX Extreme.

4. SETUP AND ASSEMBLY

4.1. Assembly

1. **Attach the Searchcoil:** Secure the DD searchcoil to the lower stem using the provided bolt and washers. Ensure it is firmly attached but can still pivot.

2. **Connect the Stem Sections:** Extend the adjustable stem sections and lock them into place. The ATX Extreme is fully collapsible, allowing you to adjust the length to your preference.

3. **Mount the Control Housing:** Slide the control housing onto the upper stem. Adjust the armrest for comfortable use.

4. **Connect Searchcoil Cable:** Carefully wrap the searchcoil cable around the stem, ensuring it is not too tight or loose, and plug it into the designated port on the control housing. Tighten the connector securely.

4.2. Battery Installation

The ATX Extreme requires batteries for operation. Ensure they are fully charged before first use.

1. Locate the battery compartment on the control housing.

2. Open the compartment cover.

3. Insert the rechargeable batteries according to the polarity indicators (+/-).

4. Close the battery compartment cover securely to maintain its waterproof seal.

5. To charge the batteries, connect the provided charger to the charging port on the control housing and

plug it into a power source.

5. OPERATING INSTRUCTIONS

5.1. Power On/Off

To power on the detector, press and hold the Power button until the unit activates. To power off, press and hold the Power button again until the unit shuts down.

5.2. Ground Balance

The Advanced Ground Balance feature allows the ATX Extreme to operate efficiently in various ground conditions. Perform ground balance by pumping the searchcoil up and down over the ground while pressing the Ground Balance button. The detector will automatically adjust to the mineralization levels.

5.3. Detection Modes

The ATX Extreme offers both Motion and Non-Motion modes:

- **Motion Mode:** Requires the searchcoil to be in motion to detect targets. This mode is generally used for wider area scanning.
- **Non-Motion Mode:** Allows for detection of targets even when the searchcoil is stationary. Useful for pinpointing targets or searching in confined spaces.

Refer to the control panel for specific button functions to switch between modes.

5.4. Ground Track

Select one of the 4 Ground Track settings to best suit the current ground conditions. This feature continuously monitors and adjusts to changing ground mineralization, maintaining optimal performance.

5.5. Frequency Scan

If you experience interference from other electronic devices, use the automatic Frequency Scan function. This will help minimize RFI and provide a clearer signal.

5.6. Volume Control

Adjust the volume to your preference. Reducing the volume can help in distinguishing deep or faint signals by limiting the overwhelming response from large, shallow targets.

5.7. Quick Iron Check and Discrimination

Utilize the Quick Iron Check feature to rapidly identify potential iron targets. The adjustable Discrimination setting allows you to filter out unwanted metallic junk, focusing on more valuable targets.

6. CARE AND MAINTENANCE

- **Cleaning:** After each use, especially in saltwater or muddy conditions, clean the detector with fresh water and a soft cloth. Ensure all connections are dry before storage. Do not use abrasive cleaners.
- **Storage:** Store the detector in a cool, dry place. If storing for an extended period, remove the batteries.
- **Battery Care:** Always use the recommended charger for the rechargeable batteries. Avoid overcharging or completely draining the batteries to prolong their lifespan.
- **Cable Management:** Ensure the searchcoil cable is not kinked or damaged. Inspect it regularly for wear.

- **Waterproof Seals:** Periodically check the integrity of all waterproof seals, especially around the battery compartment and cable connections, to maintain the IP68 rating.

7. TROUBLESHOOTING

7.1. No Power

- Check if batteries are correctly installed and fully charged.
- Ensure the battery compartment cover is securely closed.

7.2. Erratic Signals / False Signals

- Perform a Ground Balance procedure.
- Use the Frequency Scan function to minimize RFI.
- Ensure the searchcoil cable is securely connected and not damaged.
- Check for nearby sources of electromagnetic interference (power lines, other electronics).

7.3. Poor Detection Depth

- Ensure proper Ground Balance has been achieved for the current soil conditions.
- Check battery charge level; low batteries can affect performance.
- Verify that the searchcoil is clean and free of debris.

8. TECHNICAL SPECIFICATIONS

Feature	Specification
Brand	Garrett
Model Number	gtx556
ASIN	B07GSQTNBF
GTIN / UPC	769947003719
Power Source	Battery Powered (Batteries Required: Yes)
Material	Metal
Adjustable Length	Yes
International Protection Rating	IP68
Operating Frequency	10 KHz
Product Dimensions	23 x 17 x 6 inches
Recommended Uses	Metal Detection

9. WARRANTY AND SUPPORT

For specific warranty information, please refer to the documentation provided with your purchase or contact

the retailer/manufacturer directly. Support resources, including additional guides and FAQs, may be available on the official Garrett website.
Manufacturer: Garrett Hobby