VORTEX Quick Start Guide

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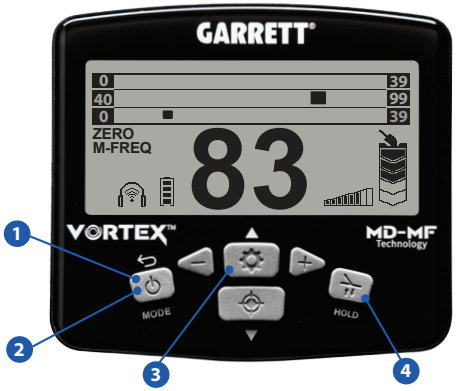
Powered by MD-MF Multi-Dimensional – Multi-Frequency Technology

QUICK START

Step 1

Power on.

Press and release. Vortex powers on in last mode used and is ready to search.



Step 2

Select Mode.

Tap Mode button to select a different detection mode, if desired.

Step 3

Adjust settings.

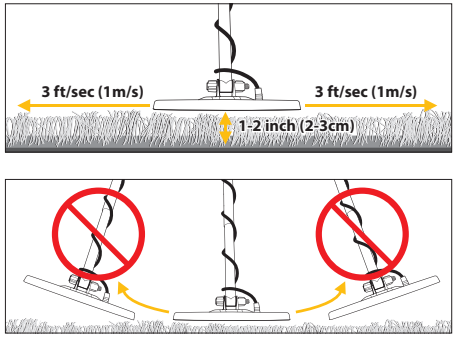
Press Menu button to access all settings. Scroll up or down using the ▲ and ▼ arrows. Tap Plus (+) or Minus (-) button to adjust selected setting.

Step 4

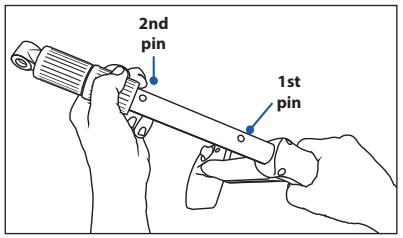
Ground Balance

Press and hold Ground Balance button while bouncing coil above the ground until ground response disappears or becomes as small as possible.

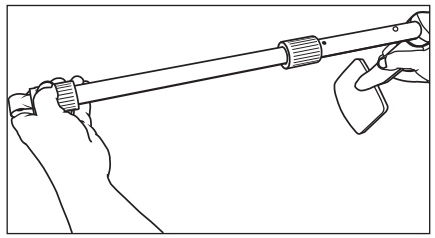
CORRECT SWING



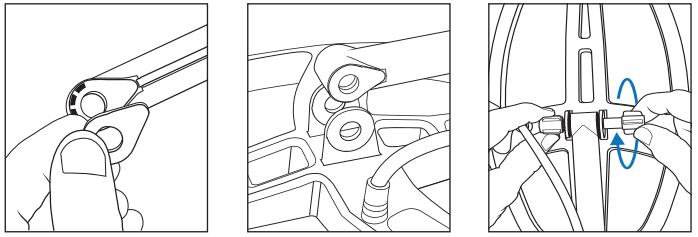
ASSEMBLY



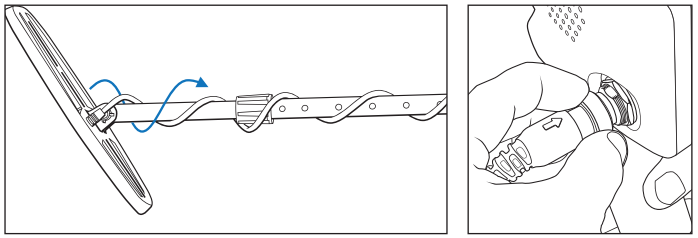
Loosen upper camlock and extend stem until pin locks into first pin position. Hand-tighten upper camlock. (Note: second pin position can be used to extend stem length.)



Loosen lower camlock and extend stem to desired operating length. Hand-tighten the camlock.

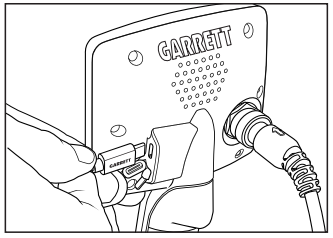


◀ Insert rubber washers, connect searchcoil to the stem as shown, and hand-tighten the wing nut.



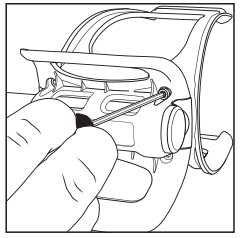
◀ Wrap cable around stem and attach.

CHARGING



◀ Insert USB-C to charge unit. Recharges in about 4 hours using a 10W (2A) or greater power source. Lower wattage source will take longer.

Adjust arm cuff, if needed. ▶



REGULATORY INFORMATION / INFORMACIÓN NORMATIVA / INFORMATIONS RÉGLEMENTAIRES

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Ce produit est conforme aux normes RSS exemptes de licence d'Industry Canada. Son fonctionnement est soumis aux deux conditions suivantes : (1) ce dispositif ne peut pas provoquer d'interférences et (2) ce dispositif doit accepter toute interférence, y compris celles pouvant entraîner un dysfonctionnement.

Wireless Transmitter Specifications

Audio Delay:	17 milliseconds
Audio Bandwidth:	30-18,000 Hz
Operating Frequency:	2406–2474 MHz
Transmit Power:	8.6 dBm EIRP
Certifications:	FCC, CE, IC, AS/NZ

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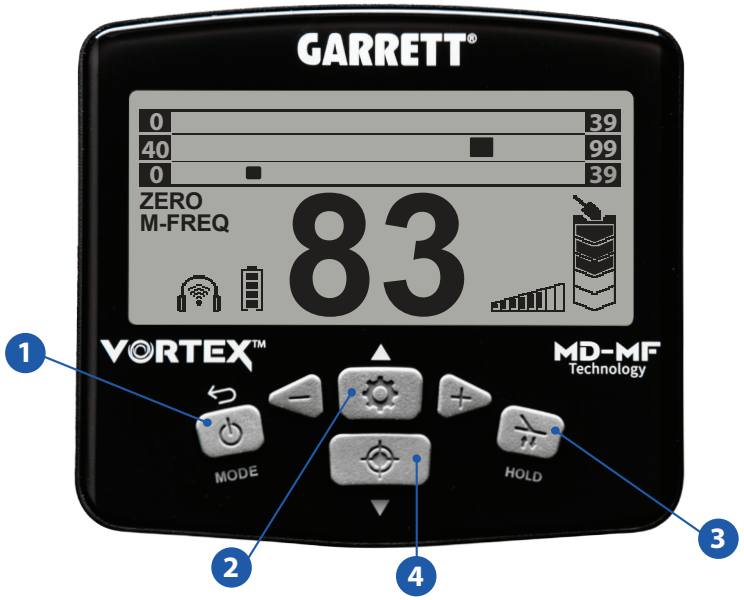


CONTROLS

1. **Power, Mode, Exit, and Factory Reset**—Hold 1 second for power ON or OFF. Quick-press to change Modes or to exit MENU settings. Press and hold 5 seconds to restore Factory Settings.

2. **MENU/Settings**— Press once to enter Menu items. Use ▲ and ▼ arrows to scroll up or down through different settings. Use the Plus (+) or Minus (-) buttons to change setting.

Sensitivity - Indicates current Sensitivity setting.

Volume - Overall volume control setting for headphones and built-in speaker.

Iron Audio - Allows the user to hear discriminated iron.

Iron Volume - Select 1-8 to adjust the volume of iron/ferrous targets, while volume of non-ferrous targets remains at normal level.

Frequency Options - VX5: Multi-Frequency (Multi-Freq.) and 13kHz
VX7: Multi-Freq., Multi-Salt, 5kHz, and 13kHz
VX9: Multi-Freq., Multi-Salt, 5kHz, 9kHz, 13kHz, 18kHz, 25kHz

Channel - Select 1-8 to eliminate electrical interference.

Recovery Speed - Select 1- 3 on VX9 to control target reactivity/separation. Two speeds on VX7. Fixed recovery speed on VX5.

Backlight - Turn on to illuminate LCD.

Wireless Headphones - Flashes while attempting to pair, solid when paired. Available on VX7 and VX9 models.

Notch Discrim - Use to eliminate areas of Target ID from audible detection. Use Plus (+) or Minus (-) buttons to move cursor along each scale and ▲ and ▼ arrows to move between Target ID scales. Tap Ground Balance button to accept or reject a notch.

High-Resolution Iron Discrim - Allows user to adjust iron (ferrous) discrimination level.

3. **Ground Balance**—Hold down while bouncing coil above ground until ground response disappears or becomes as small as possible. Also used during Notch Discrim adjustments.

4. **Pinpoint**—Hold for pinpointing function to precisely locate targets.

SEARCH MODES

Zero Discrimination

Detects every type of metal. All discrimination pixels are switched on. No metal targets have been notched out (eliminated). Use this mode to find all metal items or when the material of the desired object is unknown.

Standard

Most iron targets are notched out. This mode is ideal for locating relics, jewelry, and most international coins.

US Coins

Designed to find U.S. and similar coins, and to eliminate common trash items such as iron, foil, and pull-tabs.

Custom

Settings programmed by the user are retained when the detector is switched off. Factory preset is Standard Mode.

Beach*

By default, Beach Mode operates only in the Multi-Salt frequency setting. Iron Discrimination is set to eliminatine most common ferrous items from detection.

Thin Coins**

Enhanced audio on targets within a select Target ID range, such as gold coins, small Roman coins, and thin, hammered coins. Audio volume is suppressed for common ferrous targets and for highly conductive targets.

Fast**

Increased Reaction speed and suppressed audio volume on common ferrous targets. Ideal for use in competition hunts and for high-trash areas.

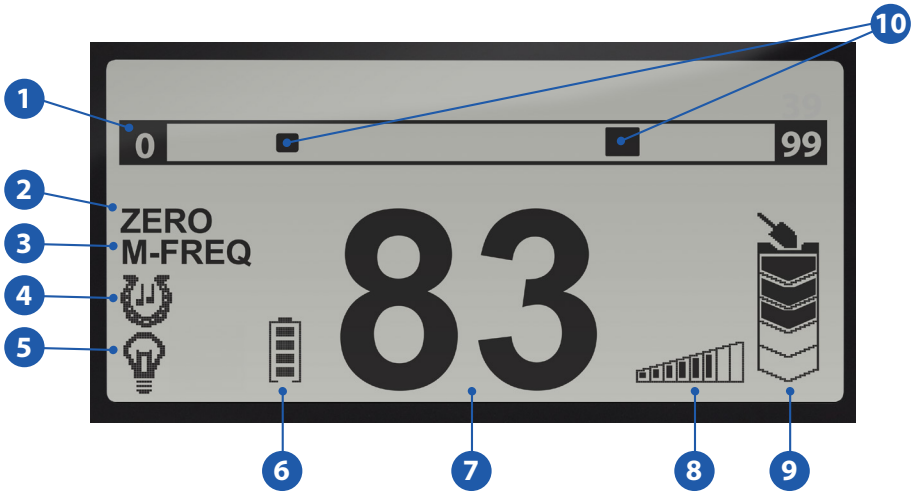
** Available only on VX7 and VX9 models.*
*** Available only on VX9 model.*

FACTORY DEFAULT SETTINGS

Mode:	Standard	Frequency:	Multi-Freq.
Sensitivity:	6	Channel:	4
Volume:	8	Recovery Speed:	1
Iron Audio:	OFF	Backlight:	Off
Iron Volume:	4	Wireless:	Off

Vortex features and specifications subject to change.

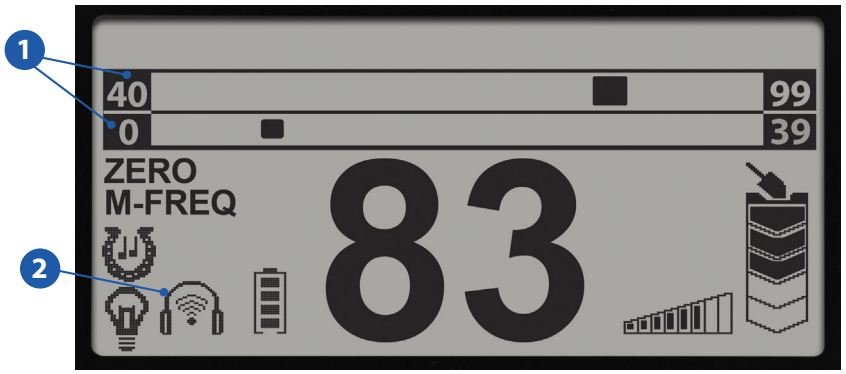
VORTEX™ VX5



LCD/DISPLAY ELEMENTS

1. **Target Scale**—Single-tier Target ID scale indicates both ferrous and non-ferrous targets, with ferrous targets indicating toward the left, low conductivity in the middle, and high conductivity toward the right.
2. **Search Mode**—Displays the current Search Mode (e.g., Zero, Standard, US Coins, etc.).
3. **Frequency**—Displays the current Frequency setting (e.g., 13 kHz, Multi-Freq., Multi-Salt).
4. **Iron Audio**—Indicates Iron Audio feature is in use when this icon is displayed.
5. **Backlight**—Indicates LCD backlight feature is in use when displayed.
6. **Battery Level**—Shows status of battery life (25% per segment).
7. **Digital Target ID**—Provides a value from 0 to 99 to identify targets more precisely.
8. **Sensitivity**—Indicates current Sensitivity setting.
9. **Target Depth**—Shows depth of coin-sized target in 2" (5cm) increments. Targets larger than a coin may display shallower than actual depth. Targets smaller than a coin may display deeper than actual depth.
10. **Target ID Cursor**—Indicates Target ID of detected target. Complex targets may register more than one Target ID cursor. For adjacent targets, Vortex is capable of presenting more than one Target ID on the screen simultaneously.

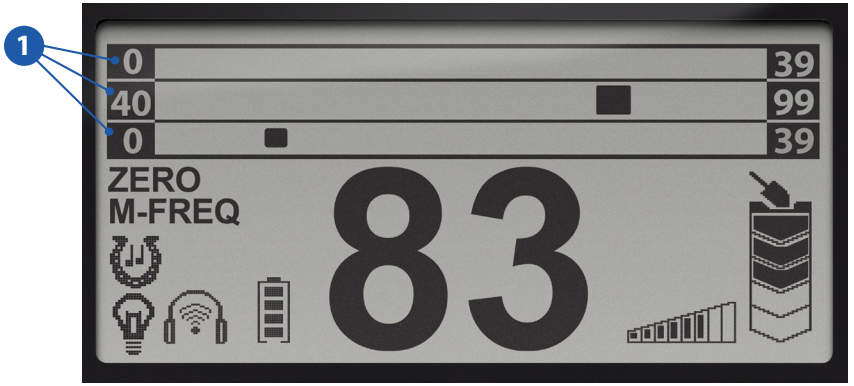
VORTEX™ VX7



LCD/DISPLAY ELEMENTS

1. **Target Scale**—Two-tier Target ID scale indicates different metal types. The top scale indicates non-ferrous (conductive) targets. The lower scale indicates ferrous targets. *For other LCD elements and more on Target Scale, refer to VX5 key shown to left.*
2. **Wireless Headphones**—Icon flashes while attempting to pair headphones. Icon is solid when unit is paired with headphones.

VORTEX™ VX9



LCD/DISPLAY ELEMENTS

1. **Target Scale**—Three-tier Target ID scale indicates different metal types. The top scale indicates "tricky" or complex ferrous (iron) items. The center scale indicates non-ferrous (conductive) targets. The lower scale indicates common ferrous targets. *For other LCD elements, refer to VX5 key shown to left.*