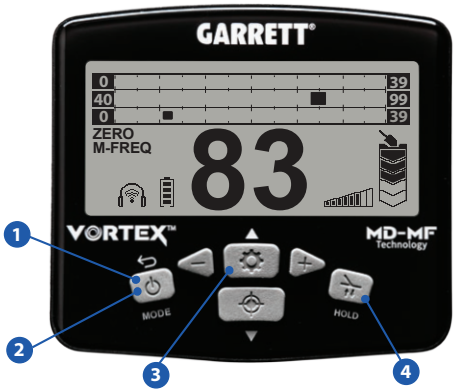
VORTEX Quick Start Guide

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QUICK START



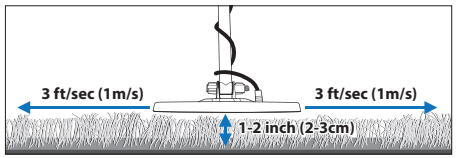
1 Power on.
Press and release. Vortex powers on in last mode used and is ready to search.

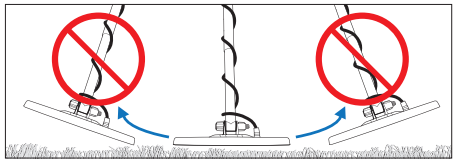
2 Select Mode.
Tap Mode button and Plus (+), Minus (-), ▼, and ▲ to select a different detection mode, if desired.

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.

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

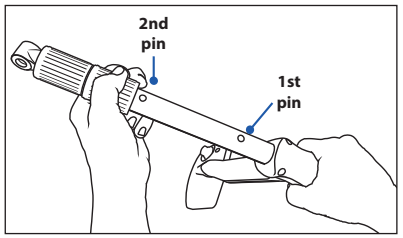




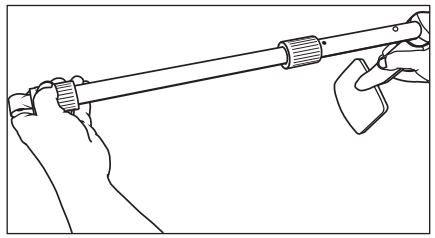
REGISTER YOUR GARRETT DETECTOR ONLINE

garrett.com/sport/warranty-registration

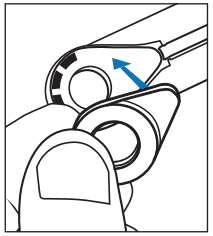
ASSEMBLY

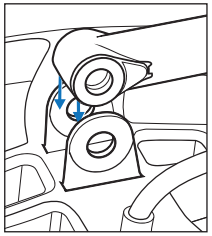


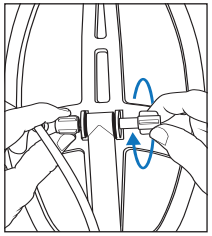
Loosen upper camlock and extend stem until pin locks into first pin position. Hand-tighten upper camlock. (Note: second pin position can be used to extend stem length.)



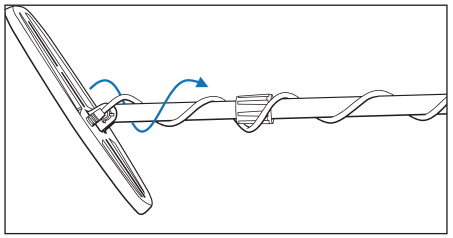
Loosen lower camlock and extend stem to desired operating length. Hand-tighten the camlock.







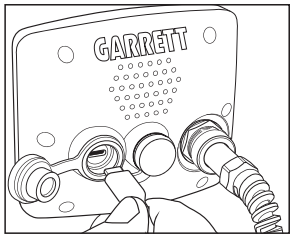
◀ Insert rubber washers as shown, connect searchcoil to the stem as shown, and hand-tighten the wing nut.





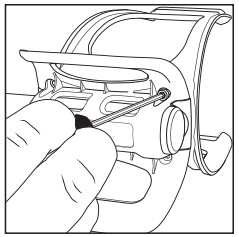
◀ Wrap cable around stem and attach.

CHARGING



◀ Insert USB-C cable to charge unit. Use 10W (2A) or greater power source for fastest charging time. Lower wattage source will take longer. It is recommended to fully charge your new *Vortex* before first use.

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.

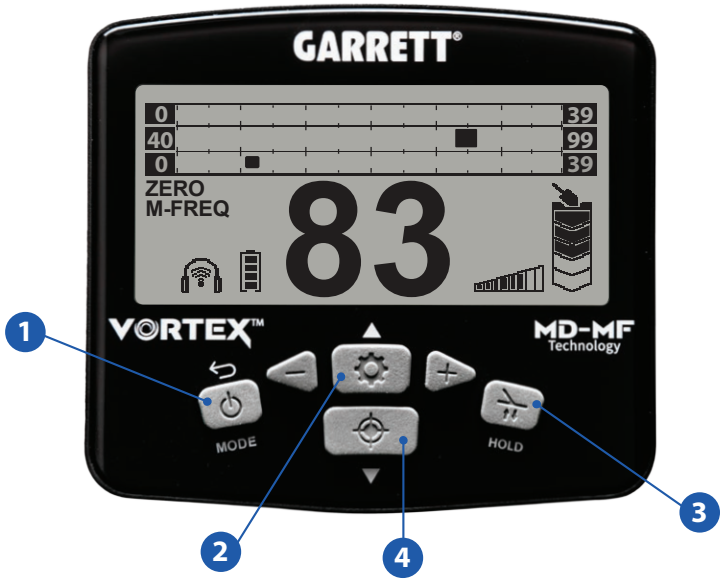
Z-Lynk Specifications

Audio Delay:	17 milliseconds
Audio Bandwidth:	30-18,000 Hz
Operating Frequency:	2406–2474 MHz
Transmit Power:	9 dBm EIRP
Certifications:	FCC, CE, UK, CA, IC, AS/NZ

Detector Specifications

Operating Frequency:	5 – 25 kHz
Transmit Power:	41 dBuA/m at 10 m
Certifications:	FCC, CE, UK, CA, IC, AS/NZ

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CONTROLS

1 **Power, Mode, Exit, Factory Reset**—
- Hold 1 second for power ON or OFF.
- Quick-press to change Mode using Plus (+) and Minus (-) and ▲and▼arrows.
- Quick-press to to exit MENU settings.
- 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 Volume - Select 1-8 to adjust the volume of iron/ferrous targets.

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 VX5, VX7 and VX9 models.

Button Lock - Use to lock buttons for diving below 6 feet (2m). Simultaneously press Plus (+) and Minus (-) buttons 3 times, quickly. Repeat this process to unlock buttons.

Number of Tones* - VX7 and VX9 only. Select desired number of target tones.

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.

Bottlecap Reject* - VX7 and VX9 only. Select 1-5 to help discriminate tricky bottlecaps while in Multi-Frequency operation.

Iron Boundary** VX9 only. Select 1-5 to help discriminate chunky iron objects while in Multi-Frequency operation. Fixed on VX5 and VX7.

Iron Audio - Allows the user to hear discriminated iron.

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.

USA 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.

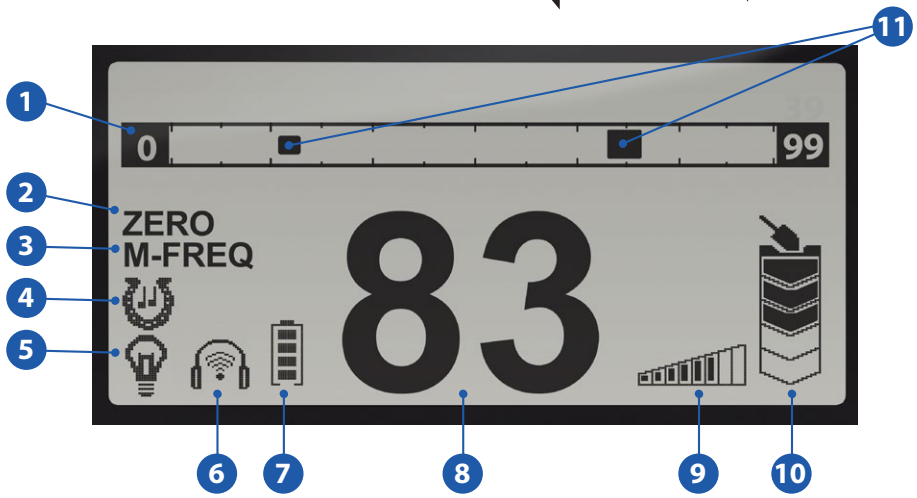
Beach* - By default, Beach Mode operates only in the Multi-Salt frequency setting. Iron Discrimination is set to eliminatine most common ferrous items from detection.

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.*

VORTEX™ VX5

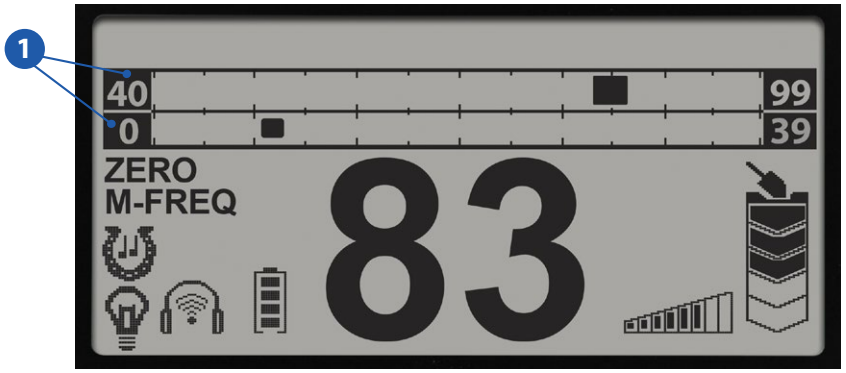


LCD/DISPLAY ELEMENTS

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, USA Coins, etc.).
3. **Frequency**—Displays the current Frequency setting (e.g., 13 kHz, Multi-Freq.).
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. **Wireless Headphones**—Icon flashes while attempting to pair headphones. Icon is solid when unit is paired with headphones.
7. **Battery Level**—Shows status of battery life (25% per segment).
8. **Digital Target ID**—Provides a value from 0 to 99 to identify targets more precisely.
9. **Sensitivity**—Indicates current Sensitivity setting.
10. **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.
11. **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 features and specifications subject to change.

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.*

VORTEX™ VX9



LCD/DISPLAY ELEMENTS

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

FACTORY DEFAULT SETTINGS

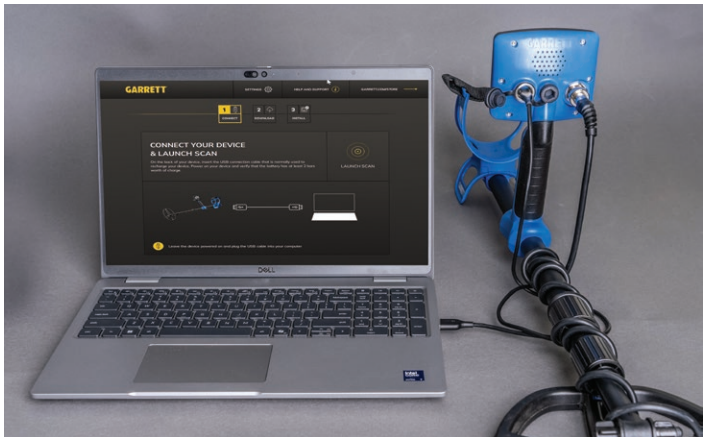
Mode:	Standard	Frequency:	Multi-Freq.
Sensitivity:	6	Channel:	4
Volume:	8	Recovery Speed:	1
Iron Audio:	OFF	Backlight:	Off
Iron Volume:	4	Wireless:	Off

Vortex features and specifications subject to change.

VORTEX UPDATES / UPGRADES

Vortex is the world's first fully transformable detector series. As your skills increase, transform your VX5 to a VX7 or VX9, each offering more power and more skilled-user menu options. Free firmware updates are also available.

VX5
VX7
VX9



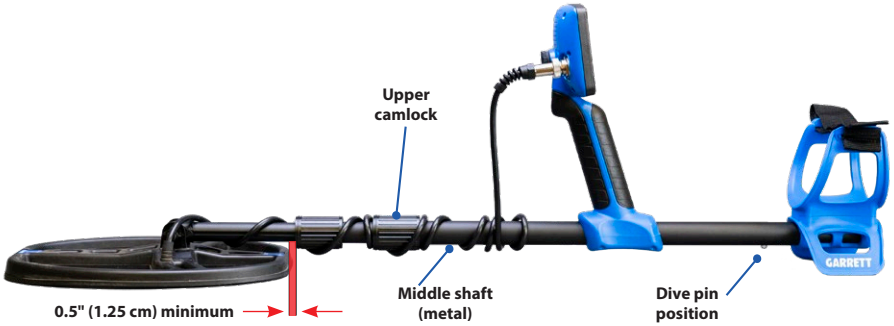
◀ Connect to Internet, launch Garrett Installer, and connect charging cable to *Vortex* USB-C port.

Requirements for updating or upgrading your *Vortex*:

- PC running Windows 7 or newer operating system or Mac OS 10.13 and higher.
- Connection to the Internet to perform your install.
- *Vortex* USB-C charging cable to connect detector to your PC.
- Full details available on the Garrett Direct website in the "Updates & Support" section on how to download the Garrett updates installer and create an installer account.

Note: Your *Vortex* must be adequately charged (at least two bars of battery indicated) in order to complete an update/upgrade.

UNDERWATER OPERATION



For submerged (diving) use, your *Vortex* can be collapsed as shown. Loosen the upper camlock and collapse middle shaft until pin locks into the position closest to the arm cuff.

To avoid detection of the middle metal shaft, make sure the searchcoil is properly adjusted. With the searchcoil folded flat (*as shown above*), allow at least one-half inch (1.25cm) between the tail of the coil and the lower camlock.

To prevent unintentional button presses, activate Button Lock feature if you plan to submerge below 6 feet (2m). Simultaneously press Plus (+) and Minus (-) buttons 3 times, quickly. Repeat this process to unlock buttons.



◀ To activate Button Lock for submerged use below 6 feet (2m), simultaneously press Plus (+) and Minus (-) buttons 3 times, quickly.

Optional wired headphones are required for fully submerged use. After using *Vortex* in any body of water, it is very important to properly rinse the detector with fresh water to remove sand or sediment before collapsing the stems.