VFD Kenwood Viking Portable Quick Reference Guide

Version 1.0   2-15-24

Viking VP8000 Portable

Front/Top Display

Signal Strength

Site Alias

Trunking Affiliation

Battery Level

501

A

H ROC CALL

REPTR/H/A/B ROC

BKLHT   CLOCK

Channel Alias

Soft Keys

Zone Alias
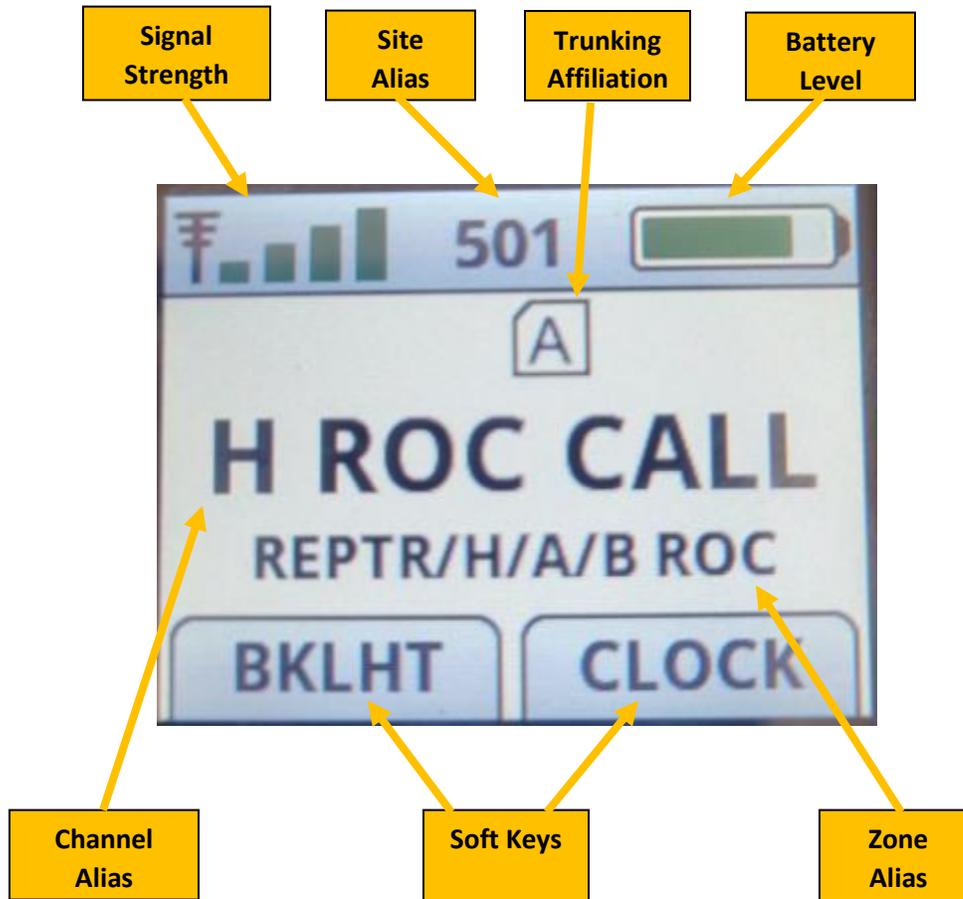
Signal Strength (RSSI): Shows the signal level the radio is receiving from the current site.

Site Alias: Displays the Site Alias or Site Number the radio is currently affiliated on.

Trunking Affiliation: Indicates the radio has affiliated to a trunking site.

Battery Level: Shows the approx. battery life.

Channel Alias: Displays the selected channel's alias.

Soft Keys: The Soft Keys buttons activate the function displayed above each key. Use the Left/Right direction buttons to scroll through the programmed options.

Zone Alias: Displays the active zone's alias.

Top Controls

Volume Select

Tx/Rx LED

Zone Toggle

Channel Select

Keypad Lock

Emergency Button
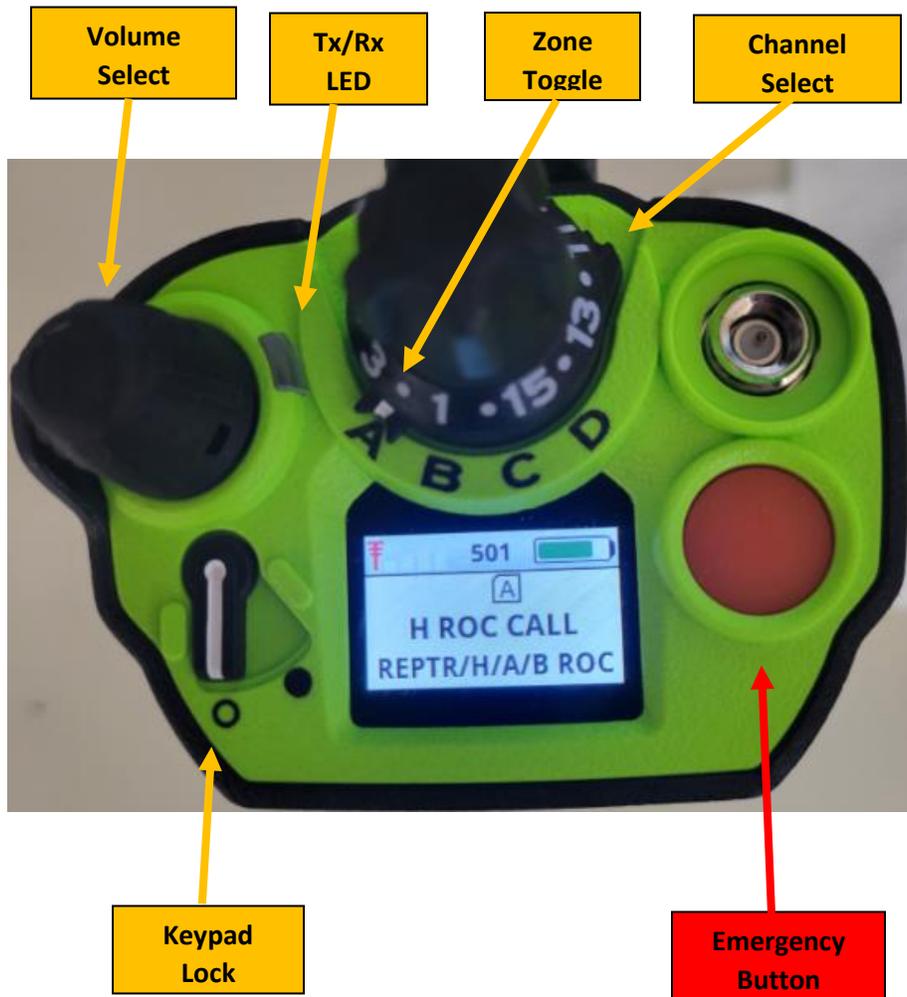
Volume Select: Adjusts the speaker volume level.

Tx/Rx LED: Red: Indicates the radio is transmitting. Green: Indicates the radio is receiving

**Channel Select: Selects the desired channel location.**

Keypad Lockout: Locks the front keypad.

Emergency Button: Used to declare an Emergency situation.

Trunking Mode Button Assignments

P25 Trunking ◊

Button Assignments

Side Button 1:	Site Search
Side Button 2:	Backlight
Side Button 3:	Scan
• (F1):	Soft Button
•• (F2):	Soft Button
↺ (F3):	Unprogrammed
▤ (F4):	Menu
Nav Up:	Zone Up
Nav Down:	Zone Down
Nav Left:	Soft Buttons Left
Nav Right:	Soft Buttons Right
A:	Radio Wide Scan
B:	Scan Edit
C:	Nuisance Delete
Toggle A:	Custom Zone
Toggle B:	Custom Zone
Toggle C:	Custom Zone
Toggle D:	Custom Zone
Open Circle:	Unprogrammed
Closed Circle:	Keypad Lockout
Emergency:	Emergency

Toggle position assignments are A/Zone 1, B/Zone 2, C/Zone 3, D/Zone 4

Statewide Interoperable Talkgroup Resources

- **Regional Operations Common (ROC):** ROC talkgroups are available statewide and are monitored by NSP and local PSAP dispatch on a regional basis. The letters (H, A, B, C, D, E) designate the troop area partitioning these talkgroups.

- **ROC CALL** provides a hailing talk group and is monitored by state and local Dispatch. Every local PSAP in the associated troop area will hear ROC Call traffic. **ROC 1** and **ROC 2** are used as tactical talkgroups and are not normally monitored by local dispatch.

- **Events A/Events B:** Event talkgroups can be used to support specific events. Event A M1-M8 talkgroups are designated with an "M" and are monitored by NSP dispatch. Event A 9-10 are unmonitored. Event B talkgroups are F1-F12 and E1-E4 and are unmonitored.

- Use of the Event talkgroups are coordinated by using SRS **Statusboard** website to reserve Event talkgroups for preplanned events. This is to prevent voice traffic collisions between multiple events.

- Event talkgroups can be used in emergency situations without reserving the talkgroup vis Statusboard. An Incident Commander can select an Event talkgroup for emergency use by monitoring the talkgroup to verify it isn't currently being used for a different event.

Emergency Operations

- Press and hold the Emergency button to initiate an **Emergency Call**. Emergency tones will sound, "Emergency" will be displayed and flash Red. A **HOT Mic** condition will be active for the first 10 seconds of the emergency call.

- Once the Emergency situation is past, request **"OK to Clear Emergency"** from Dispatch.

- Once cleared by Dispatch, press and hold the Emergency button (approx. 1.5 seconds) until the tone sounds. This clears the Emergency state on the radio.

Soft Keys

Soft keys allow the radio operator to activate functions or modes by pressing the button directly below the displayed function/mode. The programmed Soft Keys for the radio's trunking mode are listed below.

Soft Keys

- **Backlight:** Enables the display backlighting. Times out after 5 seconds.
- **Clock:** Displays Date and Time.
- **Theme:** Changes the display mode.
- **Menu:** Menu is a list of additional features that the operator can manage via the Menu list, such as Backlight and Display Theme settings.

Menu

- **RW Scan:** Radio Wide Scan mode.
- **Zone Edit:** Favorite zone programming. Allows the user to added channels/talkgroups that are currently programmed in the radio to the "Favorites" zone.
- **Scan Edit:** This feature allows channels or talkgroups to be manually added to the scan list. The scan list being edited depends on the current scan mode.
- **RWS Edit:** This feature allows channels or talkgroups to be manually added to the Radio Wide scan list. Conventional channels and trunking talk groups can be added to this scan list.

Scan Modes

The Kenwood Viking radio supports three scan modes, Conventional, Trunking and Radio Wide.

Scan Mode: The Scan Mode is determined by the currently selected channel.

- **Conventional Scan Mode:** Used to scan conventional direct and repeater channels. No trunking talkgroups are scanned using this mode.
- **Trunking Scan Mode:** Used to scan talkgroups on the SRS. No conventional channels are scanned using this mode.
- **Radio Wide Scan Mode:** This scan mode allows both conventional channel and trunking talkgroup resources to be scanned from the same scan list.

Trunking and Conventional Scan Icon: Both the Trunking and Conventional Scan modes use the same icon. The scan mode is determined by the currently selected channel mode.
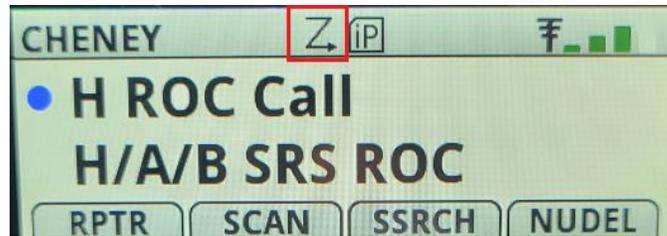
Radio Wide Scan Icon: Radio Wide Scan mode has a specific icon with a "R" designator.
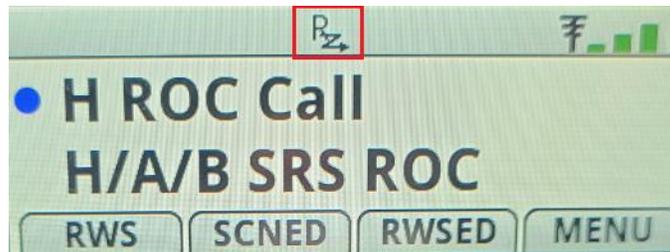
Scan Edit Modes

Scan Edit and RWS Edit modes both follow the same process. Trunking Scan Edit is shown below.

With a trunking talkgroup channel currently selected, press the "SCNED" soft key. A list selection window will be displayed. NE SRS is the only trunking scan list programmed.
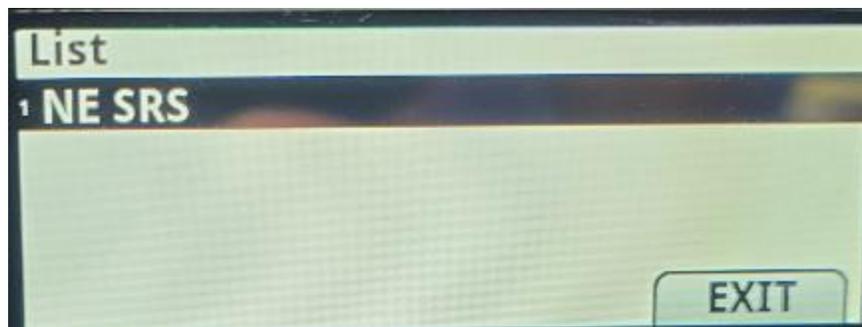
Press the **button to select the NE SRS list.**

"Scan Edit" will be displayed in the upper left display. Use the Up/Down arrow keys to scroll through the programmed trunking talkgroups. Once the talk group is selected, press the < key and then the "Save" key. The radio will display "Saving" and the scan list will be updated.
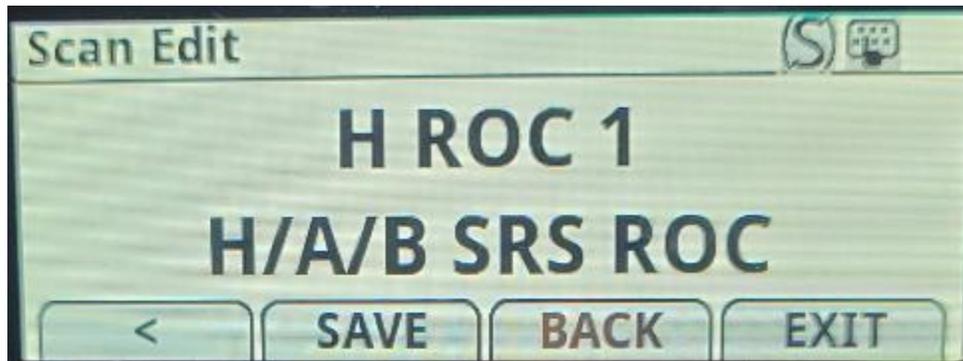
While in Scan Edit mode, pressing the **or** **button will toggle through the channels currently assigned to the scan list. Once the desired channel is selected press the < key and then Save. The (S) in the upper right display corner designates the channel has been added to the scan list.**

Once the list changes have been made, press the "Exit" soft key to return to main display.

Pyramid Repeater/Portable Operation

A Pyramid repeater is in stand-by mode until activated by pressing the "RPTR" soft key on the mobile radio. Once the "RPTR" soft key on the mobile radio has been activated, the selected channel number will be displayed.

Portable radios have 4 repeater channels in each ROC zone. These channels correspond with the 4 channels in the Pyramid repeater. Match the portable and repeater channels.

REPTR/H/A/B/ ROC

Channel	Alias
1	Repeater 1
2	Repeater 2
3	Repeater 3
4	Repeater 4
5	H ROC CALL
6	H ROC 1
7	H ROC 2
8	A ROC Call
9	A ROC 1
10	A ROC 2
11	B ROC Call
12	B ROC 1
13	B ROC 2

REPTER/C/D/E ROC

Channel	Alias
1	Repeater 1
2	Repeater 2
3	Repeater 3
4	Repeater 4
5	C ROC Call
6	C ROC 1
7	C ROC 2
8	D ROC Call
9	D ROC 1
10	D ROC 2
11	E ROC Call
12	E ROC 1
13	E ROC 2

A portable radio selected to the correct repeater channel can now transmit and receive radio traffic via the repeater. The repeater sends a handshake message to the portable approx. every 30 seconds so that the portable radio knows the repeater is available for use.

When transmitting from the portable radio via the repeater, the repeater "COR" and "Tone" LED's are lit. The mobile "TX" LED is also lit. The outgoing transmission on the mobile will be on the currently selected talkgroup/channel.

When the repeater is transmitting radio traffic received by the mobile radio, the repeater "Tx" LED and the mobile "COR" LED will be lit.

If the portable is not receiving the handshake message from the repeater, it will sound a double beep tone and an "EVRS OOR" message will be displayed. This could be caused by the portable being out of range of the repeater or the channel selected on the portable radio doesn't not match the selected repeater channel. If a PTT attempt is made in OOR mode, the radio sounds a triple beep tone to indicate that no transmission is possible.