

CG Tone Operation

During normal receive operation (not in the scan mode) the user can select different CG tones for the currently selected channel as follows:

Select the desired channel by rotating the CH selector knob. Pressing the numeric keypad (1-9) will change the currently selected channel tone to the tone of the desired channel.

Example:

Channel 2 is selected by the CH selector knob
The CG tone from CH 14 is required
Press the 1 and the 4 keys on the keypad
The LCD will display CG-14
Ch 2 is now using the CG tone from CH 14

Pressing 0 + 0 will revert back to the programmed CG tone for that channel.

Monitor Key

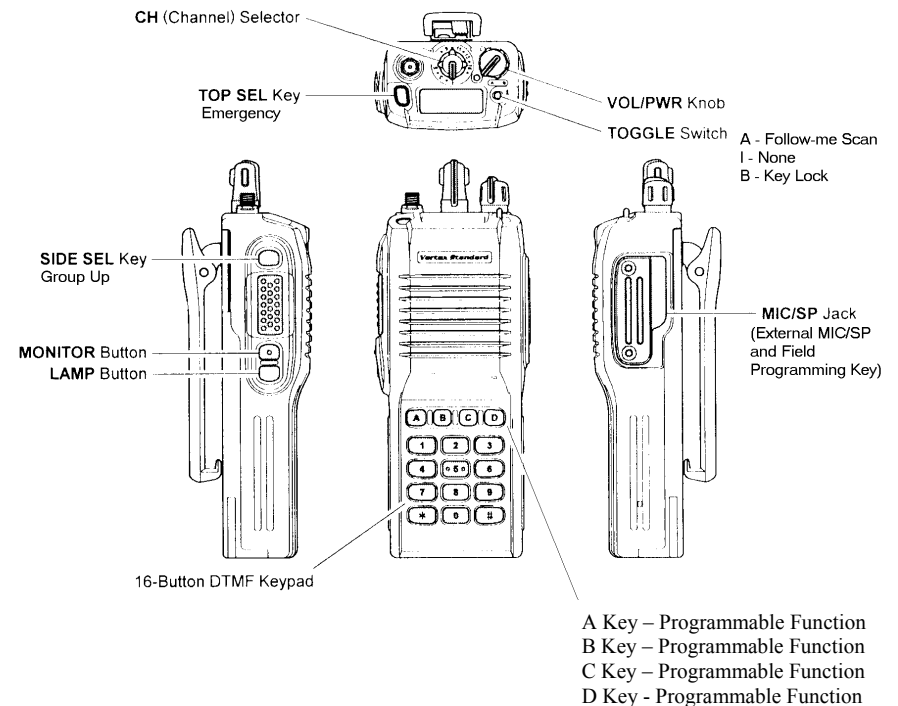
Pressing the MON key will temporarily disable CG Decode for the selected channel. This will allow reception of the signal regardless of the CG Tone used. A long press of the MON key will open the squelch. This will allow the reception of a weak signal or static.

Lamp Key

Turns on the LCD panel and keypad illumination for 5 seconds.

VX-900 Field Programming Guide

Key functions



The Top Select Key, Side Select Key, Toggle Switch and the ABCD keys can be programmed for several different functions, consult the Operating or Service Manuals for available functions.

Field Programming

The following parameters are field programmable:

- Receive (RX) and Transmit (TX) frequency
- Time Out Timer (TOT) ON/OFF
- Channel Guard (CG) decode/encode on/off
- CG tone decode/encode set
- Channel name alpha tag editing

Programming procedure:

1. Turn the radio on.
2. Set the CH selector to position 1.
3. Remove the MIC/SP jack cover or speaker microphone, if attached.
4. Install the Field Programming Key on the MIC/SP jack (-FIELD- will appear in the LCD display).
5. Input the password (six zeros).
6. Choose the desired group (CH Sel position 1).
7. Choose the desired channel (CH Sel position 2).
8. Program the desired channel parameters (CH Sel positions 3 through 10).
9. Repeat steps 6 through 8 for each reprogrammed channel.
10. Turn the CH select knob to save the last setting made.
11. Turn off the radio to exit the field-programming mode.
12. Remove the field-programming key from the MIC/SP jack.
13. Reinstall the MIC/SP jack cover or speaker microphone.

Field Programming continued

The following parameters are assigned to the rotary (CH selector) knob:

Position	Display	Function
1	-GROUP-	Group select (cannot be changed)
2	-CHAN-	CH select (cannot be changed)
3	-RX FREQ-	Receive Frequency
4	-TX FREQ-	Transmit Frequency
5	-TOT-	Time Out Timer ON/OFF
6	-DEC-	CG Tone Decode ON/OFF
7	-ENC-	CG Tone Encode ON/OFF
8	-DCODE-	CG Decode tone frequency
9	-ECODE-	CG Encode tone frequency
10	-NAME-	Channel Alpha Tag
11-16	-----	Not Used

Pos	Display	Top (orange) Sel Key	Side Sel Key	Other Key functions
1	-GROUP-	Moves group down.	Moves group up	None
2	-CHAN-	Moves CH down	Moves CH up	None
3	-RX FREQ-	None	None	0-9 direct keypad input (6 digits XXX.XXX)
4	-TX FREQ-	None	None	0-9 direct keypad input (6 digits XXX.XXX)
5	-TOT-	Toggles ON/OFF	Toggles ON/OFF	None
6	-DEC-	Toggles ON/OFF	Toggles ON/OFF	None
7	-ENC-	Toggles ON/OFF	Toggles ON/OFF	None
8	-DCODE-	None	None	0-9 direct keypad input
9	-ECODE-	None	None	0-9 direct keypad input
10	-NAME-	Press either select key to change the character. The character will blink. A short press of the keys will step thru the available characters. A long press will move to the next character.		

During editing the setting will blink. By changing the CH Sel position, the new setting will be saved.