

KEY FUNCTIONS

The VX-230 provide [Side 1] and [Side 2] keys. These “Programmable” keys functions can be customized (set to other functions), via programming by your **VERTEX STANDARD** dealer, to meet your communications/network requirements. Some features may require the purchase and installation of optional internal accessories. The possible **Programmable** key features are illustrated below, and their functions are explained in the next chapter. For further details, contact your **VERTEX STANDARD** dealer. For future reference, check the box next to each function that has been assigned to the **Programmable** key on your particular radio, and keep it handy.

FUNCTION	PROGRAMMABLE KEY (PRESS / PRESS AND HOLD)	
	[Side 1]	[Side 2]
None	/	/
Mon (Monitor)	/	/
SQL Off	/	/
SQL Set	/	/
Low Power	/	/
Scan	/	/
Follow-Me Scan	/	/
Scan Set	/	/
DW (Dual Watch)	/	/
TA Scan	/	/
TA (Talk Around)	/	/
TX Save Disable	/	/
Reset	/	/
Call	/	/
Speed Dial	/	/
Lock	/	/
Emergency	-/	-/
Lone Worker	-/	-/

ACCESSORIES & OPTIONS

FNB-V103LI	7.4 V 1150 mAh Lithium-Ion Battery
FNB-V104LI	7.4 V 2000 mAh Lithium-Ion Battery
VAC-300	Desktop Rapid Charger
VAC-6300	6-unit Multi Charger
PA-42	AC Adapter (for VAC-300)
MH-37A4B	Earpiece/Microphone
MH-45B4B	Speaker/Microphone
MH-360S	Speaker/Microphone
MH-450S	Speaker/Microphone
VC-25	VOX Headset
VCM-2	Vehicle Charger Mount Adapter (for VAC-300)
DCM-1	Desktop Charger Bracket (for VAC-300)
ATV-8A	Rubber Antenna 134-151 MHz
ATV-8B	Rubber Antenna 150-163 MHz
ATV-8C	Rubber Antenna 161-174 MHz
ATV-6XL	Rubber Antenna 134-174 MHz (Untuned)
ATU-6A	Rubber Antenna 400-430 MHz
ATU-6B	Rubber Antenna 420-450 MHz
ATU-6C	Rubber Antenna 440-470 MHz
ATU-6D	Rubber Antenna 450-485 MHz
ATU-6F	Rubber Antenna 485-520 MHz
CLIP-18	Belt Clip
LCC-230	Leather Case
CE99	Programming Software
FIF-10A	USB Programming Interface
CT-27	Radio to Radio Programming Cable
CT-42A	PC Programming Cable
CT-106	PC Programming Cable (for FIF-10A)

DESCRIPTION OF OPERATING FUNCTIONS

Mon (Monitor)

Press (or Press and hold) the assigned **Programmable** key momentarily to disable the Tone squelch. When disabled the Tone squelch, the LED indicator on the top of the radio will glow green.

SQL Off

Press (or Press and hold) the assigned **Programmable** key to disable the Noise and Tone squelch. Again press (or Press and hold) the assigned **Programmable** key to resume normal (quiet) Noise and Tone squelch action.

SQL Set

You can manually adjust the squelch level using this function. Press the assigned **Programmable** key to toggle the squelch threshold level “High” and “Low”.

Low Power

Press (or Press and hold) the assigned **Programmable** key to set the radio’s transmitter to the “Low Power” mode, thus extending battery life. Press (or Press and hold) the assigned **Programmable** key again to return to “High Power” operation when in difficult terrain. When the radio’s transmitter is set to “Low Power” mode, the LED indicator on the top of the radio will glow green.

Scan

The Scanning feature is used to monitor multiple channels programmed into the transceiver. While scanning, the radio will check each channel for the presence of a signal, and will stop on a channel if a signal is present.

To activate scanning:

Press (or Press and hold) the assigned **Programmable** key. The scanner will search the channels, looking for active ones; it will pause each time it finds a channel on which someone is speaking. When the scanner is activated, the LED indicator on the top of the radio will glow green.

To stop scanning:

Press (or Press and hold) the assigned **Programmable** key. Operation will revert to the channel to which the **CH** knob is set.

Follow-Me Scan

“Follow-Me” Scan feature checks a **User-assigned** Priority Channel regularly as you scan the other channels. Thus, if only Channels 1, 3, and 5 (of the 8 available channels) are designated for “Scanning,” the user may nonetheless any channel as the “User-assigned” Priority Channel via the “Follow-Me” feature.

Press the assigned **Programmable** key to activate “Follow-Me” scanning, then turn the **CH** selector knob to the channel which you want to designate as the “User-Assigned Priority Channel”. When the scanner stops on an “active” channel, the User-assigned Priority Channel will automatically be checked every few seconds (interval programmed by your Dealer).

Scan Set

Press (or press and hold) the assigned **Programmable** key to delete the Current Memory Channel from the Scanning List. When you delete a channel from the Scanning List, a low tone beep will sound. To restore a particular channel to your Scanning List, press (or press and hold) the assigned **Programmable** key again; a high tone beep will sound.

DW (Dual Watch)

The Dual Watch feature is similar to the Scan feature, except that only two channels are monitored: the current operating channel, and the “Priority” channel.

To activate Dual Watch:

Press (or Press and hold) the assigned **Programmable** key. The scanner will search the two channels; it will pause each time it finds a channel on which someone is speaking. When the Dual Watch feature is activated, the LED indicator on the top of the radio will glow green.

To stop Dual Watch:

Press (or Press and hold) the assigned **Programmable** key. Operation will revert to the channel to which the **CH** knob is set.

TA Scan

Press the assigned programmable key to toggle the TA (Talk Around) scan feature “On” and “Off.”

While TA scan is proceeding, the **VX-230** will search both the transmit and receive frequencies (and the LED indicator on the top of the radio will glow green). When a signal is encountered on the receive frequency, the **VX-230** will pause until the signal disappears. When a signal is encountered on the transmit frequency, the **VX-230** will check for activity on the receive frequency every few seconds (interval programmed by your Dealer).

TA (Talk Around)

Press (or Press and hold) the assigned **Programmable** key to activate the Talk Around feature when you are operating on duplex channel systems (separate receive and transmit frequencies, utilizing a “repeater” station). The Talk Around feature allows you to bypass the repeater station and talk directly to a station that is nearby. This feature has no effect when you are operating on “Simplex” channels, where the receive and transmit frequencies are already the same.

When the “TA” function is activated, the LED indicator on the top of the radio will glow green.

TX Save Disable

Press (or Press and hold) the assigned **Programmable** key to disable the Transmit Battery Saver, if you are operating in a location where high power is almost always needed.

The Transmit Battery Saver helps extend battery life by reducing transmit power when a very strong signal from an apparently nearby station is being received. Under some circumstances, though, your hand-held radio may not be heard well at the other end of the communication path, and high power may be necessary at all times.

Reset

Press (or Press and hold) the assigned **Programmable** key to silence the receiver and reset for another call, when a communication is finished.

Call

Press (or Press and hold) the assigned **Programmable** key to send a programmed 2-Tone sequential tone.

Speed Dial

Your Dealer may have a pre-programmed Auto-Dial telephone number memory into your radio. Press (or Press and hold) the assigned **Programmable** key to send the pre-programmed Auto-Dial telephone number. The DTMF tones sent during the dialing sequence will be heard in the speaker.

Lock

Press (or Press and hold) the assigned **Programmable** key to lock the **CH** knob, **Programmable** keys, and **PTT** switch. The precise lockout configuration is programmed by your **VERTEX STANDARD** dealer.

Emergency

The **VX-230** series includes an “Emergency” feature, which may be useful, if you have someone monitoring on the same frequency as your transceiver’s channel. For further details contact your **VERTEX STANDARD** dealer.

Lone Worker

Press and hold the assigned **Programmable** key to toggle the Lone Worker feature “ON” and “OFF.” The Lone Worker feature will emit an audible alarm for 30 seconds at one second intervals when the Lone Worker Timer has expired. If the user does not reset the timer by pressing the **PTT** switch, the radio switches to the Emergency mode.

ARTS (AUTO RANGE TRANSPOND SYSTEM)

This system is designed to inform you when you and another **ARTS**-equipped station are within communication range.

During **ARTS** operation, your radio automatically transmits for about 1 second every 55 seconds in an attempt to shake hands with the other station.

If you are out of range for more than two minutes, your radio senses that no signal has been received, a ringing beeper will sound. If you subsequently move back into range, as soon as the other station transmits, your beeper will sound.