Before You Begin

Battery Pack Installation and Removal
- To install the battery, hold the transceiver with your left hand, so your palm is over the speaker and your thumb is on the top of the belt clip. Insert the battery pack into the battery compartment on the back of the radio while tilting the Belt Clip outward, then push the bottom side of the battery pack until the battery pack locks with the Battery Pack Latch.
- To remove the battery, turn the radio off and remove any protective cases. Slide the Battery Pack Latch on the bottom of the radio, then slide the battery downward and out from the radio while holding the Belt Clip.

Caution: Do not attempt to open any of the rechargeable Lithium-Ion packs, as they could explode if accidentally short-circuited.

Low Battery Indication
As the battery charges during use, the voltage gradually becomes lower. When the battery voltage becomes low, substituting a fully charged battery and recharging the depleted pack. When the battery voltage is low, the "Low Battery" indicator on the LCD will blink red and "Battery Indicator" on the LCD will blink on the LCD version. Furthermore, if your Dealer sets the "Low Battery Alert" feature into the transceiver, an alert beeper will sound when the battery voltage is low.

Display Icons & Indicators (LCD Version)

- VOL/PWR Knob
- LED Indicator
- Battery Indicator
- Antenna
- Speaker
- LCD (Lower Right-Hand Corner)
- Priority Channel indication
- RSSI Indicator
- Character-alpha numeric Display

Accessories & Options
- FNB-V9SLI: 7.4 V 1800 mAh Lithium-Ion Battery
- FNB-V9BLI: 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)
- PA-41: AC Adapter (for VAC-6300)
- MH-45S: Speaker/Microphone
- MH-300S: Speaker/Microphone
- MH-450S: Speaker/Microphone
- VC-25: VOX Headset
- JC-2: Vehicle Charger Mount Adapter (for VAC-300)
- FVP-25: Encryption/DTMF pager Unit
- FVP-35: Encryption Unit (Rolling code voice scrambler)
- FVP-36: Encryption Unit
- VME-100: MDC1000®/GE-Star® ANI Encoder Unit
- 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
- ATU-6L: Rubber Antenna 134-174 MHz (Unmated)
- ATU-8A: Rubber Antenna 134-174 MHz
- ATU-8B: Rubber Antenna 150-167 MHz
- ATU-8C: Rubber Antenna 161-174 MHz
- CLIP-18: Belt Clip
- CE86: Programming Software
- FIF-10A: USB Programming Interface
- CT-106: PC Programming Cable (for FIF-10A)

Important Notice for North American Users Regarding 406 MHz Guard Band
The U.S. Coast Guard and National Oceanographic and Atmospheric Administration have administered the cooperation of the U.S. Federal Communications Commission in preserving the integrity of the protected frequency range 406.0 to 406.1 MHz, which is reserved for use by distress beacons. Do not attempt to program this apparatus, any circumstances, for operations in the frequency range 406.0 - 406.1 MHz if the apparatus is to be used in or near North America.

Warning: Frequency band 406 - 406.1 MHz is reserved for use only as a distress beacon by the US Coast Guard and NOAA. Under no circumstances should this frequency band be part of the preprogrammed operating frequencies of this radio.

SAFETY TRAINING INFORMATION

This Radio has been tested and complied with the Federal Communications Commission (FCC) RF exposure limits for Occupational Use/Controlled exposure environment, in addition, it complies with the following Standards and Guidelines:
- FCC 96-326, Guidelines for Evaluating the Environmental Effects of Radio-Frequency Radiations

WARNING: This radio generates RF electromagnetic energy during transmit mode. This radio is designed for and classified as "SQL OFF" for more than one second, background noise will now be heard, and you may use this to set the VOL/PWR knob for the desired level.

Operation
- TX/BUSY
- AC Adapter (for VAC-6300)
- Speaker
- Microphone
- Speaker/Microphone
- Encryption/DTMF pager Unit
- Encryption Unit
- Rubber Antenna 485-520 MHz
- Rubber Antenna 400-430 MHz
- Rubber Antenna 450-485 MHz
- Rubber Antenna 485-520 MHz
- Rubber Antenna 134-174 MHz (Unmated)
- Rubber Antenna 134-174 MHz
- Rubber Antenna 150-167 MHz
- Rubber Antenna 161-174 MHz
- Belt Clip
- CE86: Programming Software
- FIF-10A: USB Programming Interface
- CT-106: PC Programming Cable (for FIF-10A)
### Key Functions

* **Mon (Monitor)**
  - Press (or Press and hold) the assigned Programmable key momentarily to disable the Tone squelch.

* **Lamp**
  - Press (or Press and hold) the assigned Programmable key to illuminate the LCD for five seconds.

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

* **Dual Watch**
  - The Dual Watch feature is similar to the Scan feature, except that only two channels are monitored at a time.

* **Low Power**
  - Press (or Press and hold) the assigned Programmable key to set the radio's transmitter to the “Low Power” mode. The radio's output power is reduced. Use this function to conserve battery life and extend battery life.

* **TX Save Disable**
  - Press (or Press and hold) the assigned Programmable key to disable the Transmit Battery Saver feature. If you are operating in a location where high power is almost always needed. The Transmit Battery Saver helps extend battery life by reducing transmitter power when a very strong signal from an apparently nearby station is being received. Under some circumstances, though, your handheld radio may not be heard well at the other end of the communication path, and high power may be necessary at all times.

* **Encryption**
  - When the Voice Scrambler feature is enabled, pressing the assigned Programmable key of the “Encryption” toggles the Scrambler “on” and “off.”

* **Channel Up**
  - Press (or Press and hold) the assigned Programmable key to switch to a higher operating channel number.

* **Channel Down**
  - Press (or Press and hold) the assigned Programmable key to switch to a lower operating channel number.

* **Call, Reset**
  - When the 2-tone or 5-Tone selective calling unit is installed, press (or Press and hold) the assigned Programmable key to silence the receiver and reset for another call, when a communication is finished.

* **Call 2, Call 3**
  - Press (or Press and hold) the assigned Programmable key to send a 5-Tone sequential tone group which is pre-defined.

* **Code Set, SQL Set**
  - Press (or Press and hold) the assigned Programmable key to switch to a higher (or lower) paging code number for the 5-Tone Paging System.

* **SQL Off**
  - Press (or Press and hold) the assigned Programmable key to disable the Noise and Tone squeal. Again press (or Press and hold) the assigned Programmable key again to resume normal (quiet) Noise and Tone squeal action.

* **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 ringing beeper will sound, and “O” icon will disappear from the LCD (LCD version).

* **ARTS (Auto Range Transpond System)**
  - ARTS transports the radio automatically transmits for about 1 second every 55 seconds in an attempt to shake hands with the other station.

* **DTMF Paging System**
  - When your radio is tuned to a station bearing a tone sequence which matches yours, your radio’s squelch will open and the alert will sound.

### Description of Operating Functions

#### 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-350 will scan both the transmit and receive frequencies (the “*” icon will blink on the LCD version). When a signal is encountered on the receive frequency, the VX-350 will pause until the signal disappears. The “*” icon will appear but not blink. When a signal is encountered on the transmit frequency, the VX-350 will check the receive frequency every few seconds (interval programmed by your dealer).

#### SQL Off
- Press (or Press and hold) the assigned programmable key to disable the Noise and Tone squeal. Again press (or Press and hold) the assigned programmable key again to resume normal (quiet) Noise and Tone squeal action.

#### 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 ringing beeper will sound, and “O” icon will disappear from the LCD (LCD version).

#### 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.
- Use this feature to call the other station. If the other station has a similar ARTS-equipped station, the two stations will automatically transfer from a “transmit only” to a “receive and transmit” mode when either station receives a signal from the other station.

#### DTMF Paging System
- This system allows paging and selective calling, using DTMF tone sequences. When your radio is tuned to a station bearing a tone sequence which matches yours, your radio’s squelch will open and the alert will sound.
- On the LCD version, the three-digit code of the station which paged you will be displayed on your radio’s LCD.

### Notice!

There are no owner-serviceable parts inside the transceiver. All service jobs must be referred to an authorized VERTEX STANDARD Service Representative. Consult your Authorized VERTEX STANDARD Dealer for installation of optional accessories.

This device complies with Part 15 of the FCC rules. Operation is subject to the condition that this device does not cause harmful interference.

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