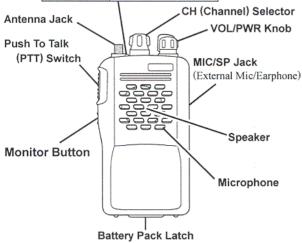


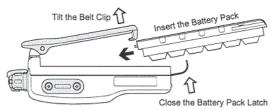
### LED Indicator

Glows Green	Monitor on
Blinks Green	Busy Channel (or SQL off)
Glows Red	Transmit
Blinks Red	Battery Voltage is low
Blinking Yellow	Receiving a Selective Call



# **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 close the Battery Pack Latch until it locks in place with a "Click."



To remove the battery, turn the radio off and remove any protective cases. Open the Battery Pack latch on the bottom of the radio, then slide the battery downward and out from the radio while unfolding the Belt Clip.

## Caution!

Do not attempt to open any of the rechargeable Ni-Cd packs, as they could explode if accidentally shortcircuited.



9906a-0K

# Low Battery Indication

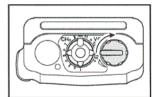
- As the battery discharges during use, the voltage gradually becomes lower. When the battery voltage reaches 6.0 Volts, the **TX/BUSY** indicator on the top of the radio will blink *red*, indicating that you should substitute a fresh battery pack.
- Avoid recharging Ni-Cd batteries often with little use between charges, as this can degrade the charge capacity. We recommend that you carry an extra, fully-charged pack with you so the operational battery may be used until depletion (this "deep cycling" technique promotes better long-term battery capacity).

# **Preliminary Steps**

- Install a charged battery pack onto the transceiver, as described previously.
- Screw the supplied antenna onto the Antenna jack. Never attempt to operate this transceiver without an antenna connected.
- If you have a Speaker/Microphone, we recommend that it not be connected until you are familiar with the basic operation of the VX-210.

# **Operation Quick Start**

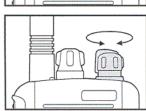
To turn the top panel's VOL/PWR knob clockwise to turn on the radio on.



Pull and turn the top panel's CH selector knob to choose the desired operating channel.

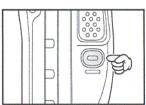


Rotate the VOL/PWR knob to set the volume level. If no signal is present, press and hold the Monitor button (the lower button on the left side) more than 1 sec-



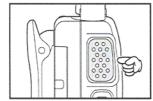
onds; background noise will now be heard, and you may use this to set the **VOL/PWR** knob for the desired audio level.

Press and hold the Monitor button more than 1 seconds (or press the Monitor button twice) to quiet the noise and resume normal (quiet) monitoring.



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To transmit, press and hold the PTT switch. Speak into the microphone area of the front panel grille (lower righthand corner) in a normal voice level. To return to



the Receive mode, release the PTT switch.

If a Speaker/Microphone is available, remove the plastic cap and its two mounting screws from the right side of the transceiver, then insert the plug from the Speaker/ Microphone into the MIC/SP jack; secure the plug using the screw supplied with the Speaker/Microphone. Hold the speaker grille up next to your ear while receiving. To transmit, press the PTT switch on the Speaker/ Microphone, just as you would on the main transceiver's body.

#### Note:

FTT-17

Save the original plastic cap and its mounting screws. They should be re-installed when not using the Speaker/ Microphone.

FVP-25	Encryption/DTMF Pager Unit
FNB-V57	7.2 V 1100 mAh Ni-Cd Battery
FBA-25	Alkaline Battery Case
NC-73	13.8 VDC Rapid Desk-Top Charger
NC-73B	120 VAC Rapid Desk-Top Charger
NC-73C	230-240 VAC Rapid Desk-Top Charger
NC-73U	230 VAC Rapid Desk-Top Charger
NC-76	Overnight Desktop Charger
VTP-50	VX-Trunk Unit
MH-45 <sub>B4B</sub>	Speaker/Microphone
MH-37A4B	Earpiece Microphone
VC-25	VOX Headset
CT-42	PC Programming Cable
CT-27	Radio to Radio Programming Cable

16 keypad (required w/VTP-50)

### General

Frequency Range: 450-485 MHz Number of Channels: 16 channels 12.5/25 kHz Channel Spacing: Battery Voltage: 7.2 VDC

-30 °C to +60 °C Temperature Range: Case Size  $(W \times H \times D)$ :  $58 \times 108 \times 26 \text{ mm}$ 

w/FNB-V57

Weight (approx.): 340 g

(with FNB-V57, antenna,

belt clip)

## Receiver

Circuit Type: Double-conversion super-

heterodyne

IFs: 43.95 MHz & 450 kHz

12-dB SINAD Sensitivity:  $< 0.2 \mu V$ Squelch Sensitivity:  $< 0.2 \mu V$ Selectivity: > 60 dBIntermodulation: > 60 dB> 60 dBSpurious Rejection: Image Rejection: > 60 dB

AF Output: 0.5 W @ 4 Ω, 10 % THD

### Transmitter

Power Output: 5.0/1.0 W (Selectable) Frequency Stability: better than  $\pm 2.5$  ppm

Modulation System: Direct FM

**Maximum Deviation:** ±2.5 kHz (12.5 kHz)

±5 kHz (25 kHz)

FM Noise: > 35 dB (12.5 kHz)

> 40 dB (25 kHz)> 60 dB below carrier

AF Distortion (@1 kHz): < 5 %

Spurious Emission:

Microphone Type: 2-kΩ condenser

Specifications are subject to change without notice or obligation.

### Notice!

There are no owner-serviceable parts inside the transceiver. All service jobs must be referred to an authorized **vertex** Service Representative. Consult your Authorized vertex 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.