

# VXA-150

## RUGGED AIR BAND TRANSCEIVER

# Pro V



Actual Size

- 5 Watts TX Output Power (at 7.2 V. 5 W P.E.P. typ., 1.5 W carrier)
- 150 Memory Channels (Incl. Pre-Programmed Book Memory Channels)
- PC Programmable
- 8-Character Alpha-Numeric Display
- Back-Lit Keypad and Display
- One Touch Emergency Frequency (121.5 MHz) access
- RX Battery Saver
- Rugged Mil-Spec and Water-Resistant Construction



- NOAA Weather Channel Receive (U.S.A. Only)

LCD display includes "Inversion" feature



 **Vertex Standard**



# Introducing Professional-Grade Equipment for Air-Band Communications

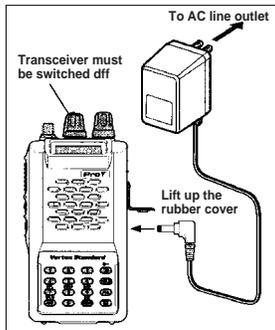
## Direct Frequency Entry via Back-lit Keypad

Simply enter the desired channel frequency directly from the 16-button keypad, then press the PTT ("Push to Talk") switch to transmit. There's no need to store frequencies into memory before you can operate on them.



## Ni-Cd Battery and Charger Included

Every VX-150 is supplied with the FNB-64 rechargeable Ni-Cd Battery and battery charger, providing greater convenience and lower long-term operating cost compared to radios requiring "AA" cells. And the extended-life FNB-V57 Ni-Cd Battery provides over 50% more capacity, for operation over long periods of time.



## 150 Memory Channels

50 Regular Memory channel and 100 "Book" Memory channels can store just about any commonly used operating frequencies. Convenient Alpha-Numeric display titling makes recalling information stored in memory channels quick and easy.

## Other Features

Automatic Noise Limiter Skip Scan Split Channel Operation One Touch Emergency Frequency (121.5 MHz) Access 5.0 Watts PEP (@12 V DC) Transmit power output Vertex Standard's legendary Water Resistant Construction External DC input (DC 12 V). Optional E-DC-5B required Low Battery Indicator Optional Alkaline Battery Case

## Available Options



## Supplied Accessories

Ni-Cd Battery Pack FNB-64 Overnight Charger NC-72B/C/U\* Helical Antenna ATV-7 Headset Cable CT-60  
\* "B" suffix for use with 117 VAC, "C" suffix for use with 220-240 VAC, or "U" suffix for use with 230 VAC.

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## One Touch Squelch Control

Breaking the squelch threshold has never been easier. Press the monitor (MON) button for two seconds and the ProV's squelch remains opened for monitoring weak and distant signals. Pressing MON again restores squelch settings. This is TRUE one handed operation. No need to fumble with tightly spaced concentric knobs.

## Receive Battery Saver

This feature is designed to maximize the life of the supplied Ni-Cd battery. When the ProV is in the standby mode the battery saver de-energizes the transceiver's circuitry, waking it up at user-selected intervals to sample for radio activity. If no activity is detected the ProV goes back into its sleep mode. Current consumption is minimized while battery life is maximized. This feature is only found on Vertex Standard airband transceivers.

## NOAA Weather Channels (USA version only)

The ProV can receive all 10 NOAA weather broadcast frequencies. Automatic Active Weather Channel Locator (a Vertex Standard exclusive) automatically scans for active NOAA weather stations in your area when WX band is selected.

## Menu Mode

The Pro V allows easy access to the Menu ("Set") mode. The "Set" mode is a straightforward and intuitive feature for changing the operating parameters of the Pro V. This allows easy user access to squelch settings, clearing memory information, scanning, scan lamp, keypad beep, battery saver settings, display/Keypad backlighting, and priority channel check time.

## 3-Way Display Titling

Only Vertex Standard Airband transceivers offer you one-keystroke access to three different methods of displaying memory channel information: Frequency, Channel Number, or Alpha-Numeric title.



## Headset Adapter Included:

The CT-60 headset adapter is a convenient way to operate the Pro V with your favorite aviation headset, intercom, and external push-to-talk switch. The internal Monitor feature will allow you to monitor your transmitted audio through your headset in noisy cockpit environments.

## Specifications

### General

Frequency Range : TX : 118.000 - 136.975 MHz,  
RX : 108.000 - 136.975 MHz,  
Weather Channels  
(WX-01 - WX-10) : USA version only  
Channel Spacing : 25 kHz  
Emission Type : TX: AM, RX: AM & FM  
Supply Voltage : 6.0 - 15.0 VDC  
Current Consumption (approx.) : < 1  $\mu$ A (power off),  
17 mA (battery saver on, saver ratio 1:5)  
47 mA (squelch on), 180 mA (receive),  
1 A (transmit 1.5 W Carrier)  
Temperature Range : +14 F to +140 F (-10 C to +60 C)  
Case Size (WxHxD) : 2.3" x 4.3" x 1.0" w/FNB-64  
(58 x 108.5 x 26.5 mm)  
Weight (approx.) : 12 oz (340 g) with FNB-64,  
antenna, and belt clip

### Receiver

Circuit Type : Double-conversion superheterodyne  
IFs : 35.4 MHz & 450 kHz  
Sensitivity : < 0.8  $\mu$ V (for 6 dB S/N with 1 kHz,  
30 % modulation)  
Selectivity : < 8 kHz/-6 dB  
Adjacent Ch. Selectivity : < 25 kHz/-60 dB  
AF Output (@7.2 V) : 0.4 W @ 8 Ohms, 10 % THD

### Transmitter

Power Output (@7.2 V) : 5.0 W PEP / 1.5 W (Carrier Power)  
Frequency Stability : Better than  $\pm$ 10 ppm (+14 F to +140 F)  
Modulation System : Low Level Amplitude Modulation  
Spurious Emission : > 60 dB below carrier  
Int. Microphone Type : Condenser  
Ext. Mic. Impedance : 150 Ohms

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