

VX-131/132 Series

1 ch

2 ch

FM Business Two-Way Radio

BRS

★2-Year Warranty★

Business Radio Service

- Light Weight and Compact Size
- 2 Watts Power Output
- 1 and 2 Channel Models Available
 - *VX-131: 1 channel model
 - VX-132: 2 channel model
- Super Rugged and Durable, Ergonomic Design
- Meet Military Standards (810 C/D/E)
- 157 Programmable Private Codes* per Channel
 - *Continuous Tone Controlled Squelch System (CTCSS) and Digital Code Squelch (DCS) for Silent Monitoring in crowded RF environments
- Battery Saver Circuit for Long Life Operation
- 3-minute Time-Out Timer (TOT)
- Loud, Clear 500 mW Audio Output
- ARTS™ (Auto Range Transponding System)
- Low Battery Indication
- Desktop Overnight Charger
- Durable and Flexible Antenna



VX-131

MULTI-PURPOSE BUSINESS PORTABLE FOR

Retail/
Warehouse Stores

Schools

Restaurants

Hotels/Apartments

Outdoor Activities

Emergency Communications
Backup

VX-132

Actual Size

 **Vertex Standard**

2 Watts Power Output

Ideal for local-area communications, the 2-Watt power of the VX-131/132 ensures long battery life, while providing outstanding communications range. Combined with Vertex's legendary audio quality, the robust power output will get your message through!

One and Two Channel Versions Available

Choose the ultimate simplicity of the single-channel VX-131, or the added flexibility of the two-channel VX-132, to meet your custom communication needs.

Rugged and Durable, with Superb Ergonomics

Built to exceed the exacting ruggedness specifications of the U.S. military, the VX-131/132 are constructed using a die-cast aluminum chassis, along with an impact-resistant composite plastic case to ensure years of reliable operation. Knobs and switches are crafted for easy access, yet immunity from accidental bumping of critical controls.

MIL-SPEC TESTS and PROCEDURES

Standard	MIL 810C Methods/Procedures	MIL 810D Methods/Procedures	MIL 810E Methods/Procedures
Low Pressure		500.2/Procedure 1	500.3/Procedure 1
High Temperature		501.2/Procedure 1, 2	501.3/Procedure 1, 2
Low Temperature		502.2/Procedure 1, 2	502.3/Procedure 1, 2
Temperature Shock		503.2/Procedure 1	503.3/Procedure 1
Solar Radiation		505.2/Procedure 1	505.3/Procedure 1
Rain		506.2/Procedure 2	506.3/Procedure 2
Humidity		507.2/Procedure 2	507.3/Procedure 2
Salt Fog		509.2/Procedure 1	509.3/Procedure 1
Dust		510.2/Procedure 1	510.3/Procedure 1
Vibration	514.2/Procedure 8	514.3/Procedure 1 Cat. 10	514.4/Procedure 1 Cat. 10
Shock	516.2/Procedure 1	516.3/Procedure 1, 4	516.4/Procedure 1, 4

Compact Size and Light Weight

The high performance of the VX-131/132 is packed into a compact (2.3" x 4.7" x 1.2" WHD) case, yielding a package that is small enough to be unobtrusive yet large enough to provide a large speaker and easy access to controls and switches. And the light weight (less than 0.18 lb) of the VX-131/132 ensures that this radio won't weigh the user down!

Loud, Clear Receiver Audio

Providing up to a half Watt of crisp, clear audio from its receiver section, the VX-131/132 is ideal for use in real-world working environments. The careful design and large speaker ensure very low distortion of received audio, for great user satisfaction.

157 Programmable Private Codes per Channel

Continuous Tone Controlled Squelch System (CTCSS) and Digital Code Squelch (DCS) for Silent Monitoring in crowded RF environments.

ARTS™ (Auto Range Transponding System)

Included in the VX-131/132 is Vertex Standard's exclusive ARTS™ feature, which can be critically important in search-and-rescue applications. ARTS™ provides a "hand-shake" with other ARTS™-equipped transceivers, and the display indicates if an "Out of Range" condition exists. The base station can then alert the field unit to move to a better location.

Battery Saver Circuit for Extended Operation

The VX-131 and VX-132 provide an innovative battery saver feature that requires no user action to activate, yet it yields a significant extension of operating time. The battery saver, after a short period of not receiving signals, will periodically shut itself down for short time intervals, while "polling" itself rapidly so as not to miss incoming calls. The result is greatly reduced battery drain, for more hours of operating between battery charges.

BATTERY LIFE (Average talking time*)

- FNB-64 : 8 hours
- FNB-V57 : 14 hours
- FNB-V67LI : 21 hours

*5% Transmit time, 5% Receive time, and 90% Standby time

BATTERY CHARGING TIME

- FNB-64 : 10 hours*¹
- FNB-V57 : 15 hours*¹
- FNB-V67LI : 1.5 hours*²

*¹ : with Overnight Desktop Charger NC-77B
*² : with Desktop Rapid Charger VAC-810

And more...

- Low Battery Indication
- Durable and Flexible Antenna

Included Accessories



Specifications

	VHF	UHF
General Specifications		
Frequency Range	150-174 MHz	450-470 MHz
Number of Channels	VX-131 1 ch / VX-132 2 ch	
Channel Spacing	12.5/15/25/30 kHz	12.5/25 kHz
PLL Steps	2.5/5/6.25 kHz	5/6.25 kHz
Power Supply Voltage	7.5 VDC ± 20 %	
Operating Temperature Range	-22° F to +140° F (-30° C to +60° C)	
Frequency Stability	±2.5 ppm	
Dimensions	2.3" (W)X4.7" (H)X1.2" (D) (58X120X31 mm)	
Weight (Approx)	0.81 lb. (365 g) w/FNB-64	

	VHF	UHF
Receiver Specifications		
Measurements made per EIA standard TIA/EIA-603		
Sensitivity		
EIA 12 dB SINAD	0.20 µV	0.25 µV
20 dB Quieting	0.30 µV	0.35 µV
Adjacent Channel Selectivity	65 dB (25 kHz) / 60 dB (12.5 kHz)	
Intermodulation	65 dB	
Spurious and Image Rejection	65 dB	
Hum & Noise	45 dB	
Audio Output	500 mW @ 4 Ohms, 5 % THD	
Transmitter Specifications		
Measurements made per EIA standard TIA/EIA-603		
Power Output	2 W	
Modulation	16K0F3E, 11K0F3E	
Conducted Spurious Emissions	60 dB Below Carrier	
FM Hum & Noise	40 dB (25 kHz) / 35 dB (12.5 kHz)	
Audio Distortion (@ 1 kHz)	<5 %	

Measurements per EIA standards unless noted above. Specifications subject to change without notice or obligation.

Accessories & Options

FBA-25A Alkaline Battery Case (6 X AA)	FNB-V57 7.2 V 1100 mAh Ni-Cd Battery Pack	FNB-V67LI 7.4V 1600 mAh Lithium-Ion Battery	VAC-800B/C* Desktop Rapid Charger (for FNB-64/V57) VAC-810B/C* Desktop Rapid Charger (for FNB-67LI)	VAC-6800/6810 6-unit Multi Charger	MH-360S Speaker/Microphone MH-450S Miniature type MH-450S Small type	MH-37A4B Earpiece/Microphone	VC-25 VOX Headset	VCM-1 Mobile Mounting Bracket for VAC-800

*B for 120 VAC/C for 230 VAC



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