

VZ Series

VZ-80 Series Portable Radio - VHF/UHF

Specification Sheet - APAC

The **VZ-80 Series** is a cost-effective portable radio, providing feature packed value to budget conscious users. This compact and lightweight 2 way radio is ideal for business operators who need basic, long-range communications.

Compact and lightweight

As with many Vertex Standard portable radios, this durable, reliable, compact and feature rich radio allows maximum flexibility for users to use the radio under any condition at any time.

Internal VOX

The built in Voice Activated Transmission (VOX) enables a hands-free operation for basic users without having to use the radio's Push to Talk button, maximizing productivity and efficiency critical to the users' business.

128 Channels/8 Groups

The group setting feature allows multiple users and different groups to be organized into efficient talkgroups for greater ease of communication, usage and improvement on efficiency.

128 Channels Memory

Up to 128 channels can be stored either through the programming software or front panel. This provides convenience to the users, avoiding the need to frequently program the radios.

Multi-Line Display

The multi-line display offers status update of the calls and other programmable features to equip users with necessary details in running their day to day business operations.

2 Pin Accessory Connector

The 2-prong pin side accessory connector allows popular audio accessories with such connector to be used with these series of radio, lowering the costs of ownership as user does not need to purchase new compatible audio accessories.



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Additional Features

- Scan (128 channels single scan list)
- Nuisance channel delete
- PL/DPL (CTCSS: 50/DCS: 104)
- Squelch (CSQ/PL/DPL)
- Busy Channel Lockout
- Busy Channel Indicator
- Time Out Timer
- Low Battery Alert
- VFO Mode
- FM Radio
- VOX (Voice Activated Transmit)
- 2-pin accessory connector
- Radio to Radio Cloning
- PC Programmable

Accessories

- VZ Series Antenna VHF 136-174 MHz
- VZ Series Antenna UHF 403-470 MHz
- FNB-Z110Li: 1100mAh Li-Ion Battery with Fixed Belt Clip
- FNB-Z180Li: 1800mAh Li-Ion Battery with Fixed Belt Clip
- VZ Series Fixed Belt Clip
- CV04 Desktop Charger

VZ-80/88 Specifications

	VHF	UHF
General Specification		
Frequency Range	136-174 MHz	403-470 MHz
Number of Channels	128	
Power Supply Voltage	7.4V DC \pm 20%	
Channel Spacing	12.5 / 25 kHz	
Battery Life (5-5-90 duty) 1800 mAh mAh FNB-Z180Li	15 hours (w/saver) / 9 hours	
Operating Temperature Range	-20°C to +50°C	
Frequency Stability	\pm 2.5 ppm	
RF Input-Output Impedance	50 Ohms	
Dimension (H x W x D)	102 x 56 x 38mm, 1800mAh battery option	
Weight (Approx.) with Antenna, Belt Clip	11.6 oz (260 g) with FNB-Z180Li	
Receiver Specification		
Sensitivity 12dB SINAD	0.25 μ V typical	
Adjacent Channel Selectivity	65 / 60 dB 25 kHz / 12.5 kHz	
Intermodulation	65 / 60 dB 25 kHz / 12.5 kHz	
Spurious and Image Rejection	65 dB	
Audio Output	1W @ 24 ohm (5 % THD)	
Transmitter Specification		
Output Power	5/1 Watt	4/1 Watt
Modulation	16K0F3E, 11K0F3E	
Conducted Spurious Emissions	65 dB below carrier	
FM Hum and Noise	45 / 40 dB 25 kHz / 12.5 kHz	
Audio Distortion	< 3 % @1 kHz	