

# VZ-20/28

## UHF/VHF PORTABLE RADIOS

The VZ-20/28 radio series are cost effective radio communication solutions meant for both first time and intermediate users. These portable radios are equipped with the necessary features to ensure reliable communication at an affordable price.

### COMPACT AND DISCREET

The compact and discreet size of the VZ-20/28 allows users to seamlessly integrate the radio into existing business operations comfortably.

### SIMPLE AND RELIABLE

The VZ-20/28 radio series are easy to use right out of the box and are reliable so you are always in contact with your team.

### NEVER MISS A CALL

Scan and Priority Scan options allow you to program and configure your radios to skip channels, letting you communicate quickly using the right channel.

### CHANNEL ANNOUNCEMENT

Upon channel switching, the radio announces the current channel. Users can toggle between channels without having to look at the radio, thus improving work productivity.

### LOUD AND CLEAR AUDIO

The 1-Watt speaker ensures important communications are heard even in noisy environments.

### EASY TO PROGRAM CHANNELS

For the VZ-28 model, up to 128 channels can be stored either through programming software, or the front panel. This provides convenience to the user, avoiding the need to frequently program the radio.

### LI-ION BATTERY SOLUTIONS

Up to 11 hours of talk time allows you and your team to get through a shift without worrying about running out of power.

### 2-PRONG PIN ACCESSORY CONNECTOR

The 2-prong pin side connector enables standard audio accessories to be used, helping reduce your overall cost of ownership.



VZ-20

VZ-28





## GENERAL SPECIFICATIONS

	VZ-20		VZ-28	
	VHF	UHF	VHF	UHF
Frequency Range	136-174 MHz	400-470 MHz	136-174 MHz	400-470 MHz
Number of Channels	16 channels		128 channels	
Power Supply Voltage	7.2 V DC		7.2 V DC	
Channel Spacing	25/12.5 kHz		25/12.5 kHz	
Battery Life (5-5-90 duty cycle with 1800mAh battery)	11 hours (with battery saver) / 9 hours (without battery saver)		11 hours (with battery saver) / 9 hours (without battery saver)	
IP Rating	IP54		IP54	
Operating Temperature Range	-25° C to +60° C		-25° C to +60° C	
Frequency Stability	< 2.5 ppm		< 2.5 ppm	
RF Input-Output Impedance	50 ohm		50 ohm	
Dimension (H x W x D)	127 x 60 x 37 mm with FNB-Z182LI		127 x 60 x 38 mm with FNB-Z182LI	
Weight (Approx.)	255g with battery		255g with battery	

## RECEIVER SPECIFICATIONS

Sensitivity (12dB SINAD)	0.22µV		0.22µV	0.20µV
Adjacent Channel Selectivity	65 dB @ 25K 60 dB @ 12.5K		65 dB @ 25K 60 dB @ 12.5K	
Inter-modulation Rejection	58 dB		58 dB	
Spurious Image Rejection	70 dB		70 dB	
Audio Output	1W @ 16 Ohms (INT)		1W @ 16 Ohms (INT)	

## TRANSMITTER SPECIFICATIONS

Output Power	5/1 Watt	4/1 Watt	5/1 Watt	4/1 Watt
Modulation	11KΦF3E @ 12.5kHz, 16KΦF3E @ 25kHz		11KΦF3E @ 12.5kHz, 16KΦF3E @ 25kHz	
Conducted Spurious Emission	-27 dBm	-30 dBm for > 1GHz -36 dBm for > 1GHz	-27 dBm	-30 dBm for > 1GHz -36 dBm for < 1GHz
FM Hum and Noise (25/12.5 kHz)	45 / 35 dB		40 / 35 dB	
Audio Distortion	≤ 5%		< 5%	

## ADDITIONAL FEATURES

- ▼ Battery Status Indicator
- ▼ Battery Saver Mode
- ▼ Talkaround
- ▼ CTCSS/DCS Encode/Decode
- ▼ Channel Announcement
- ▼ Internal VOX (Voice Activated Transmit)
- ▼ 2-pin accessory connector
- ▼ Busy Channel Lockout (BCLO)
- ▼ Reverse Burst
- ▼ PTT ID
- ▼ Keypad Lock (for VZ-28 only)

## ACCESSORIES

- ▼ CZ088AN601 UHF Antenna 400-470MHz
- ▼ CZ088AN602 VHF Antenna 136-174MHz
- ▼ CZ088B611 FNB-Z182LI Li-Ion 1800mAh Battery
- ▼ CZ083C611 CV17 Charger Base
- ▼ CZ083P603 PV-05C Power Adaptor, EU 2 pin
- ▼ CZ083P604 PV-05U Power Adaptor, UK 3 pin
- ▼ CZ088CL61 Belt Clip



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