

# VZ-20/28

## UHF/VHF PORTABLE RADIO

The VZ-20/28 radio series are a cost effective radio communication meant for both first time and intermediate users. This portable radio is 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 VX-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 front panel. This provides conveniences to the users, 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 CONNECTOR ACCESSORIES

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



VZ-20

VZ-28

## 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

- ▼ VZ Series Antenna 403-470MHz
- ▼ VZ Series Antenna 136-174MHz
- ▼ VZ Series Antenna 350-390MHz
- ▼ FNB-Z182LI Li-Ion 1800 mAh with Fixed Belt Clip
- ▼ VZ Series Belt Clip
- ▼ CV17 Desktop Charger

## VZ-20/28 SPECIFICATIONS

### GENERAL SPECIFICATION

|  | VHF   | UHF                        |
|--|---|----------------------------|
| Frequency Range  | 136-174 MHz   | 403-470 MHz<br>350-390 MHz |
| Number of Channels   | 16/128 channels   |                            |
| Power Supply Voltage   | 7.4 V nominal   |                            |
| Channel Spacing  | 25/12.5 kHz   |                            |
| Battery Life (5-5-90 duty w/battery saver)<br>1800mAh Li Ion Battery | 13 hours (VZ-20) / 11 hours (VZ-28)                         |                            |
| IP Rating  | IP54  |                            |
| Operating Temperature Range  | -13 F to +140 F (-25 C to +60 C)                            |                            |
| Dimension (H x W x D)  | 4.3 x 2.3 x 1.4 in (109 x 60 x 37 mm) with 1800 mAh Battery |                            |
| Weight (Approx.)   | 270g w/FNB-Z182Li   |                            |

### RECEIVER SPECIFICATION

|                              |  |  |
|------------------------------|--|--|
| Sensitivity                  | Analog 12 dB SINAD: 0.20uV                 |  |
| Adjacent Channel Selectivity | 65 / 60 dB                                 |  |
| Intermodulation              | 60 / 55 dB                                 |  |
| Spurious and Image Rejection | 70 dB                                      |  |
| Audio Output                 | 1W @ 16 Ohms (INT)                         |  |
| Hum and Noise                | 40 dB                                      |  |
| Conducted Spurious Emission  | -57 dBm for < 1 GHz<br>-47 dBm for > 1 GHz |  |

### TRANSMITTER SPECIFICATION

|                              |                                      |          |
|------------------------------|--------------------------------------|----------|
| Output Power                 | 5/1 Watt                             | 4/1 Watt |
| Modulation Limiting          | ±2.5kHz                              |          |
| Conducted Spurious Emissions | -36dBm for <1GHz<br>-30dBm for >1GHz |          |
| FM Hum and Noise             | 45 / 40 dB                           |          |
| Audio Distortion             | <3%                                  |          |
| Frequency Stability          | ±1.5ppm                              |          |

# Mag One

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