

# VZ-10 & VZ-18

## COST EFFECTIVE PTT TWO-WAY COMMUNICATION

### UHF/VHF PORTABLE RADIO

The VZ-10 and VZ-18 radios are cost effective communication tools 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 Series allows users to seamlessly integrate the radio into existing business operations comfortably.

#### SIMPLE AND RELIABLE

The VZ-10 and VZ-18 radios are easy to use and are reliable so you are always in contact with your team.

#### NEVER MISS A CALL

Scan and Priority Scan options allow you to programme 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 PROGRAMME CHANNELS

For the VZ-18 model, up to 128 channels can be stored either through programming software, or via the front panel.

#### LI-ION BATTERY SOLUTIONS

Up to 10 hours of talk time allows you and your team to get through a shift without worrying about running out of power.

#### 2-PIN CONNECTOR ACCESSORIES

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



GOODBYE CROSSTALK



BROADEN YOUR REACH



COME IN LOUD AND CLEAR



KEEP YOUR TEAM SAFE



POWER THROUGH THE SHIFT



VZ-10

VZ-18





## GENERAL SPECIFICATIONS

|  | VZ-10   |             | VZ-18   |             |
|--|---|-------------|---|-------------|
|  | 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 1600mAh battery): | 10 Hours (With battery saver)/<br>8 Hours (Without battery saver) |             | 10 Hours (With battery saver)/<br>8 Hours (Without battery saver) |             |
| IP Rating  | IP54  |             | IP54  |             |
| Operating Temperature Range                            | -25° C to +60° C  |             | -25° C to +60° C  |             |
| Frequency Stability                                    | ±2.5ppm   |             | ±2.5ppm   |             |
| RF Input-Output Impedance:                             | 50 ohm  |             | 50 ohm  |             |
| Dimension (H x W x D)                                  | 126 x 61 x 39 mm with FNB-Z165LI                                  |             | 126 x 61 x 39 mm with FNB-Z165LI                                  |             |
| Weight (Approx.)                                       | 250g (With battery, antenna, belt clip)                           |             | 260g (With battery, antenna, belt clip)                           |             |

## RECEIVER SPECIFICATIONS

|  |  |  |
|--|--|--|
| Sensitivity (12dB SINAD):                  | 0.22uV                                     | 0.22uV                                     |
| Adjacent Channel Selectivity (25/12.5 kHz) | -65 / -60 dB                               | -65 / -60 dB                               |
| Inter-modulation Rejection: (25/12.5 kHz)  | -65 / -60 dB                               | -65 / -60 dB                               |
| Spurious and Image Rejection               | 70 dB                                      | 70 dB                                      |
| Audio Output                               | > 800mW @ 16 Ohms (INT)                    | > 800mW @ 16 Ohms (INT)                    |
| Hum and Noise                              | 40 dB                                      | 40 dB                                      |
| Conducted Spurious Emission                | -57 dBm for < 1 GHz<br>-47 dBm for > 1 GHz | -57 dBm for < 1 GHz<br>-47 dBm for > 1 GHz |

## TRANSMITTER SPECIFICATIONS

|                                |                         |          |                         |          |
|--------------------------------|-------------------------|----------|-------------------------|----------|
| Output Power                   | 5/1 Watt                | 4/1 Watt | 5/1 Watt                | 4/1 Watt |
| Modulation                     | 5K@25kHz , 2.5K@12.5KHz |          | 5K@25kHz , 2.5K@12.5KHz |          |
| Conducted Spurious Emissions   | -30dBm for >1GHz        |          | -30dBm for >1GHz        |          |
| FM Hum and Noise (25/12.5 kHz) | -40 / -35 dB            |          | 45 / 40 dB              |          |
| Audio Distortion               | < 3%                    |          | < 3%                    |          |

## 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)
- PTT ID
- Keypad Lock (VZ-18 only)

## ACCESSORIES

- MHZ-101B Remote Speaker Microphone
- MHZ-201B Inline PTT Earbud
- MHZ-202B G-Hook Earbud
- FNB-Z165 Li-Ion 1600mAh Battery
- VZ Series UHF Antenna 400-470 MHz
- VZ Series VHF Antenna 136-174 MHz
- CV13 Charger Base
- PV-05C Power Adaptor, EU 2 pin
- PV-05U Power Adaptor, UK 3 pin
- Belt Clip VZ Series (for FNB-Z165LI)



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Availability is subject to individual country law and regulations. All specifications shown are typical unless otherwise stated and are subject to change without notice.

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