

VX-417/427 Series

Under Easy-Licenses Band

Dependable and Discreet Communications

The Vertex Standard VX-417/427 Series provides a host of built-in features in compact convenience for the quality communications you need.

Maximize Battery Life

Includes RX/TX (receive and transmit) battery saver capability. During receive, the radio will go into saver mode while periodically checking for channel activity. During transmit, the VX-417/427 Series will automatically reduce power when the incoming signal is very strong.

Exclusive Auto-Range Transpond System – ARTS™

Only Vertex Standard radios are designed to inform you when you and another ARTS™-equipped station are within communication range. If out of range for more than 2 minutes, your radio senses no signal has been received and beeps to alert you. The base station can then alert the field unit to move back in range. A great solution to keep your workers co-ordinated.



The Vertex Standard Difference

Our number one goal is achieving superior customer satisfaction by delivering products and services that exceed your expectations. Count on Vertex Standard for radios that are built to last and designed to provide more features for a better return on your investment. Ask your Dealer for more details.

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VX-417/427 Series Specifications

General Specification

- Frequency Range : 350-351
- Number of Channels : 16 / 32 Channels
- Power Supply Voltage : 7.5 V DC \pm 20 %
- Channel Spacing : 12.5kHz
- PLL Steps : 2.5 / 6.25 kHz
- Battery Life : 1800 mAh , Ni -MH Battery model FNB-V 94
- IP Rating : IP 54
- Operating Temperature Range : -30° C to $+60^{\circ}$ C
- Frequency Stability : \pm 2.5 ppm
- Dimension (H x W x D) : (108.5 x 58 x 30 mm)
- Weight (Approx.) : (300 g , ANT, Belt Clip)

Receiver Specification: measured by TIA/EIA-603

- Circuit Type : Double-conversion Super-heterodyne
- IFs : 50.85MHz & 450 k Hz
- Sensitivity 12 dB SINAD : 0.25 μ V
- Squelch Sensitivity : $<$ 0.20 μ V
- Adjacent Channel Selectivity : $>$ 70 dB (2.5/2.0 kHz) / $>$ 65 dB (1.25 kHz)
- Intermodulation : $>$ 70 dB
- Spurious and Image Rejection : $>$ 70 dB
- Audio Output : 500mW@ 4 Ohms \pm 5%THD

Transmitter Specification: measured by TIA/EIA-603

- Output Power : 4 / 1 W
- Modulation : 11K0F3E
- Conducted Spurious Emissions : 70 dB below carrier
- FM Hum & Noise : $>$ 45 dB
- Audio Distortion : $<$ 3% @ 1k Hz
- Microphone Type : 2-kOhm s condenser

Specifications are subject to change without notice or obligation.

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