

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

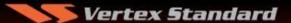
another ARTS™-equipped station are within communication range. If out of range for more than 2 minutes, your radio senses no signal has been received and beeps to alert you. The base station can then

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 ±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° C Frequency Stability ± 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

50.85MHz & 450 k Hz

Sensitivity 12 dB SINAD $0.25 \mu V$ Squelch Sensitivity $< 0.20 \mu V$

Adjacent Channel Selectivity > 7 0 dB (2 5/2 0 kHz) / > 6 5 dB (1 2.5 kHz)

Intermodulation $> 70 \, dB$ Spurious and Image Rejection > 70 dB

500mW@ 4 Oh m s 5%TH D **Audio Output**

Transmitter Specification: measured by TIA/EIA-603

Output Power 4/1W Modulation 11K0F3E

Conducted Spurious Emissions: 70 dB b elo w carr ier

FM Hum & Noise >45 dB**Audio Distortion** < 3% @ 1k Hz Microphone Type 2-kOhm s cond enser

Specifications are subject to change without notice or obligation.

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For More Information:

WALK WIRELESS TELECOM SOLUTIONS

F-107 Dreams The Mall, Bhandup (W), Mumbai - 400078. Tel: +91 9930434397 Email: info@walkwireless.in