VXR-7000 Series VHF/UHF Desktop Repeater/Base Station

SPECIFICATION SHEET – NORTH AMERICA

Dual-Purpose Repeater, Continuous-Duty and Cycle-Rated

The VXR-7000 helps expand communication range of two-way radio systems, and can operate as a base station. Continuous-duty and cycle-rated to enhance productivity for a maximum return on investment.

Local or Remote Operating Capability

Controlled by the operator with a press of a button to function as programmed. Or, switch to remote mode and the unit is controlled by instructions received from an external device connected to the accessory connector.

When Safety Counts

The VXR-7000 has built-in DTMF decoding to coordinate with the Emergency and ANI functions found in Vertex Standard mobile and portable two-way radios. If an Emergency alert is received from a mobile or portable radio, the VXR-7000 will beep loudly and blink the LCD to notify the dispatcher of the alert.

Uninterrupted Power Supply

For uninterrupted operation during power failures, a 12 volt rechargeable battery may be connected. During a power outage, the automatic power control circuit will immediately switch the repeater to the backup battery.

Convert to Talk at a Press of a Button

While a full-featured repeater, the VXR-7000 immediately switches to function in base station mode simply by pressing the Push to Talk Transmit button. Once released, the unit converts back to repeater mode.



Vertex Standard





The Vertex Standard Difference

Our number one goal is achieving superior customer satisfaction by delivering products and services that exceed your expectations. Vertex Standard radios are built to last and are backed by an industry-leading 3 year warranty.

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Additional Features

- I6 Channels
- 8-Character ANI / ENI ID Display
- 47 CTCSS / 108 DCS Encode / Decode
- CW ID Transmission
- Busy Channel Lockout (BCLO)
- Busy Tone Lockout (BTLO)
- DTMF Encode / Decode
- 5-Tone Encode / Decode
- Multi-Tone Decode
- Community repeater operation (up to 16 tones)
- Time-Out Timer, Hang Timer, Guard Timer
- D-Sub 25 pin accessory connector
- Line interface port
- PC Programmable

Accessories

- MH-67A8J: Standard microphone
- MD-I2A8J: Desktop microphone
- MR-3: 19" Rack mount kit (4U size)
- MR-4: 19" Rack mount kit (3U size)

Duplexer Options

- CT-68: Duplexer installation kit
- VXD-60VC: Internal duplexer VHF I48 I60 MHz
- VXD-60UD: Internal duplexer UHF 440 470 MHz

VXR-7000 Series Specifications VHF UHF **General Specification** 136 – 150 MHz 400 - 430 MHz Frequency Range 150 – 174 MHz 450 - 480 MHz Number of Channels 16 115 / 230 V AC ±10% 50/60 Hz or 13.8 V DC Power Supply Voltage Channel Spacing 12.5 / 25* kHz Operating Temperature Range -22°F to +140°F (-30°C to +60°C) Frequency Stability ±2.5 ppm 50 Ohms RF Input-Output Impedance Dimension $(H \times W \times D)$ 4.5 x 12.8 x 15.4 inches (115 x 325 x 391.5 mm) Weight (Approx.) 22 lbs (10 kg) Receiver Specification: measured by TIA/EIA-603 Sensitivity 12dB SINAD 0.35 µV Adjacent Channel Selectivity 75 dB / 70 dB Intermodulation 75 dB 80 dB Spurious and Image Rejection Audio Output 4 W @ 4 Ohms Transmitter Specification: measured by TIA/EIA-603 10 to 50 W (adjustable) Output Power Duty Cycle 100% Modulation 16K0F3E, 11K0F3E ± 5.0 kHz / ± 2.5 kHz Maximum Deviation Audio Distortion < 2.5 % @I kHz

Better than 75 dB below carrier

Conducted Spurious Emission

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