

VXR-7000 VHF/UHF Desktop Repeaters

16 Channel 50 W Continuous Duty



Specifications

General Specifications	VXR-7000V	VXR-7000U
Frequency Range*	134 – 150 MHz (A) 150 – 174 MHz (C)	400 – 430 MHz (A) 450 – 480 MHz (D) 480 – 512 MHz (F)
Number of Channels	16 Channels	
Channel Spacing	12.5 / 25 kHz	
Power Supply Voltage	115 / 230 VAC ± 10%, 50 / 60 Hz or 13.8 VDC	
Operating Temperature Range	-30° C ~ +60° C	
Frequency Stability	±2.5 ppm	
RF Input-Output Impedance	50 Ω	
Dimensions (w/o knobs)	4.5" X 12.8" X 15.4" (115 X 325 X 391.5 mm)	
Weight	22 lbs (10 kg)	

Receiver Specifications	Measurements made per EIA standard TIA/EIA -204D
Sensitivity EIA 12 dB SINAD 20 dB Quieting	0.35 μV 0.45 μV
Adjacent Channel Selectivity	75 dB
Intermodulation	75 dB
Spurious and Image Rejection	80 dB
Audio Output	4 W @ 4 ohms

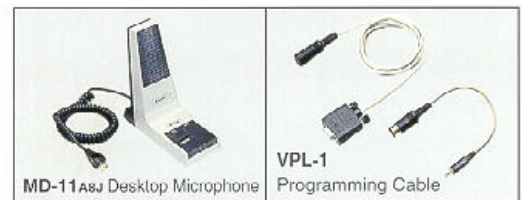
Transmitter Specifications	Measurements made per EIA standard TIA/EIA -152-C
RF Power Output	10 ~ 50 W (Adjustable)
Duty Cycle	100%
Maximum Deviation (Spacing)	± 5 kHz (25 kHz / ± 2.5 kHz (12.5 kHz)
Modulation Type	16KOF3E / 11KOF3E
Audio Distortion	< 2.5% @ 1 kHz
Spurious Emissions	Better than 75 dB below carrier

* Not all frequency Ranges Listed are Available in all countries

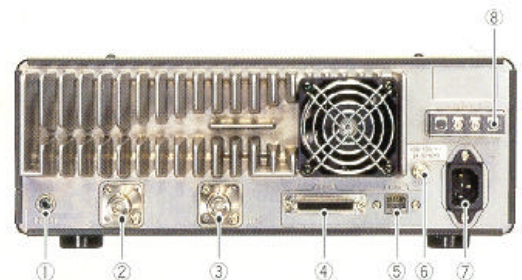
Designed with long-term reliability in mind. The VXR-7000 Series offers unmatched features and performance for all segments of industry and Public Safety. Whether used as a base station, with its attractive housing and user-friendly controls, or as a remote repeater, in then most demanding environments, the VXR-7000 series will provide years of reliable service.

- 10~50 Watts Power Output Continuous-Duty (Adjustable)
- 16 Channel synthesized
- 12.5 / 25 kHz Bandwidth Programmable by Channel
- 47 CTCSS Tones / 104 DC S Codes Encode and Decode
- Automatic DC Power Supply Backup
- Optional Internal Duplexer (Limit 40 Watts)
- 3 VX-Trunk Operation (optional)
- ANI / ENI ID Display (Dealer Programmable)
- CW Transmitter ID (Dealer Programmable)
- Community Repeater Operation (Up to 16 Tones / Coes)
- 5-Tone / DTMF Encode and Decode
- 3 Year Warranty

Accessories & Options



- CE-27 Programming Software
 CT-68 Antenna Cable w / Mount screws (for the Antenna Duplexer)
 VTS-300 VX-Trunk Controller



- ①EXT SP Jack ⑤LINE Jack
 ②TX Antenna Jack ⑥GND Terminal
 ③RX Antenna Jack ⑦AC Jack
 ④ACC Jack ⑧BATT Terminal

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The Vertex Standard Warranty*
 Vertex Radio Communications equipment includes an industry-leading 3-Year Limited Warranty on all transceivers and a 1-Year Warranty on all accessory items. *U.S. and Canada

Specifications subject to change without notice or obligation. Various accessories listed may not be available in some countries.