

# VXR-7000

## VHF/UHF Desktop Repeater



- **FREQUENCY RANGE\*:**
  - VHF : 136~150 MHz (A) or 150~174 MHz (C)
  - UHF : 400~430 MHz (A) or 450~480 MHz (D) or 480~512 MHz (F)
- **16 CHANNEL SYNTHESIZED**
- **10~50 WATTS POWER OUTPUT (100 % DUTY)**
- **12.5 / 25 kHz BANDWIDTH PROG 16 TONES / CODES**
- **ANI / ENI ID DISPLAY (DEALER PROGRAMMED)**
- **CW TRANSMITTER ID (DEALER PROGRAMMED)**
- **TIME-OUT TIMER, HANG TIMER, GUARD TIMER (DEALER PROGRAMMED)**
- **BCLO,BTLO**
- **SELECTABLE REPEATER MODE OR BASE TRANSCEIVER MODE**
- **SELECTABLE LOCAL MODE OR REMOTE MODE**
- **AC POWER SUPPLY VOLTAGE SELECTION (115 / 230 VAC <math>\pm 10\%</math>) DEALER SELECTABLE)**
- **AUTOMATIC DC POWER SUPPLY BACKUP**
- **OPTIONAL INTERNAL DUPLEXER (LIMIT 40 WATTS)**
- **PC PROGRAMMING**
- **ACC CONNECTOR PORT & LINE INTERFACE PORT**
- **VX-TRUNK OPERATION (OPTIONAL)**

\*Not all Frequency Ranges Listed are Available in all countries





# VXR-7000 VHF/UHF Desktop Repeater 16 Channel 50 W Continuous Duty

With a long list of built in features, the VXR-7000 Series Base / Repeater Station sets the standard for mid-power, continuous duty base station and repeater applications.

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 it's attractive housing and user friendly controls, or as a remote repeater, in the most demanding environments, the VXR-7000 series will provide years of reliable service.

Manufactured utilizing the most advanced state-of-the-art computer aided design and manufacturing processes. The VXR-7000 series sets the standard for rugged environment applications now.

## Specifications

### General Specifications

Frequency Range	VXR-7000V : 136~150 MHz (A) or 150~174 MHz (C) VXR-7000U : 400~430 MHz (A) or 450~480 MHz (D) or 480~512 MHz (F)
Number of Channels	16 Channels
Channel Spacing	12.5 / 25 kHz
Frequency Stability	±2.5 ppm
Antenna Impedance	50 Ω (N-Type)
Tx Activation System	Carrier-operated, CTCSS tone operated, DCS operated, or remote control
Power Requirements	115 / 230 V AC ±10 %, 50 / 60 Hz or 13.8 VDC
Ambient Temperature Range	-22° F to +140° F (-30 °C~+60 °C)
Dimensions (w/o knobs)	4.5" (H) × 12.8" (W) × 15.4" (D) (115 × 325 × 391.5 mm)
Weight (approx.)	22 lbs. (10 kg)

### Receiver Specifications

Receiver type	Double-conversion Superheterodyne
Sensitivity	0.35 μV for 12 dB SINAD, 0.45 μV for 20 dB NQ
Selectivity	75 dB
Intermodulation	75 dB
Spurious & Image Rejection	80 dB
Audio Output	4 W @ 4 Ω

### Transmitter Specifications

RF Output	10~50 W (Adjustable)
Duty Cycle	100 %
Maximum Deviation	±5.0 kHz (25 kHz spacing), ±2.5 kHz (12.5 kHz spacing)
Modulation Type	16K0F3E / 11K0F3E
Audio Distortion	Less than 2.5 % @1 kHz
Spurious Emissions	Better than 75 dB below carrier

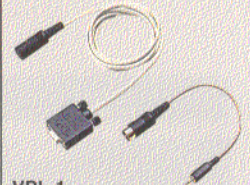
\*Specifications subject to change without notice or obligation.

Measurements per EIA standards unless noted above. Specifications subject to change without notice or obligation. Various accessories listed may not be available in some countries.

## Accessories & Options



MD-11A&J Desktop Microphone



VPL-1 Programming Cable

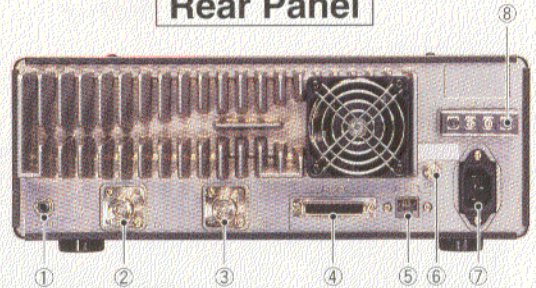


MR-3 EIA-standard 19-inch Rack

Not included VXR-7000

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

## Rear Panel



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

## Front Panel



- ① POWER Switch
- ② LED Indicators
- ③ MIC Jack
- ④ BASE/REPEATER Switch
- ⑤ LOCAL/REMOTE Switch
- ⑥ MONITOR Switch
- ⑦ ACCESSORY Switch
- ⑧ VOL Knob
- ⑨ SQL Knob
- ⑩ Channel Selector Buttons
- ⑪ Channel Indicator
- ⑫ ANI Display
- ⑬ TX/BUSY Indicator
- ⑭ ANI RESET Button



### Vertex Standard US Headquarters

10900 Walker Street, Cypress, CA 90630, U.S.A.  
Phone 714/827-7600; Fax 714/827-8100  
<http://www.vxstd.com>

### International Division

8350 N.W. 52nd Terrace, Suite 201, Miami, FL 33166, U.S.A.  
Phone 305/718-4011; Fax 305/718-4012