

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 PROGRAMMABLE PER CHANNEL

■ ANI / ENI ID DISPLAY (DEALER PROGRAMMED)

■ CW TRANSMITTER ID (DEALER PROGRAMMED)

■ MULTI CTCSS / DCS OPERATION

■ TIME-OUT TIMER, HANG TIMER, GUARD TIMER (DEALER PROGRAMMED)

■ BCLO, BTLO

■ SELECTABLE REPEATER MODE OR BASE TRANSCIVER MODE

■ SELECTABLE LOCAL MODE OR REMOTE MODE

■ AC POWER SUPPLY VOLTAGE SELECTION (115 / 230 VAC <±10 %> DEALER SELECTABLE)

■ AUTOMATIC DC POWER SUPPLY BACKUP

■ OPTIONAL INTERNAL DUPLEXER (LIMIT 40 WATTS)

■ PC PROGRAMMING

■ ACC CONNECTOR PORT & LINE INTERFACE PORT

*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 its 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
Channel Spacing	12.5 / 25 kHz
Frequency Stability	VXR-7000V : ±2.5 ppm VXR-7000U : ±1.5 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 ~ +140° F (-30° C ~ +60° C)
Dimensions (w/o knobs)	12.8"(W) X 4.5"(H) X 15.4"(D)(325 X 115 X 391.5 mm)
Weight (approx.)	22 lbs. (10 kg)

Receiver Specifications	
Receiver type	Double-conversion Superheterodyne
Sensitivity	VXR-7000V : 0.25 μV for 12 dB SINAD, 0.35 μV for 20 dB NQ VXR-7000U : 0.3 μV for 12 dB SINAD, 0.4 μV for 20 dB NQ
Selectivity	80 dB
Intermodulation	VXR-7000V : 80 dB VXR-7000U : 85 dB
Spurious & Image Rejection	VXR-7000V : 95 dB VXR-7000U : 85 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	VXR-7000V : Better than 80 dB below carrier VXR-7000U : Better than 75 dB below carrier

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-12A8J
Desktop Microphone

MH-67A8J
Standard Microphone

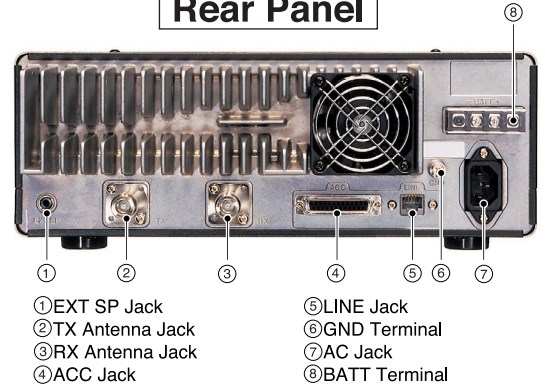


MR-3 EIA-standard 19-inch Rack (4U)
MR-4 EIA-standard 19-inch Rack (3U)

- CT-68 Antenna Cable w / Mount screws (for the Antenna Duplexer)
VXD-60 VC VHF Duplexer
VXD-60 UD UHF Duplexer

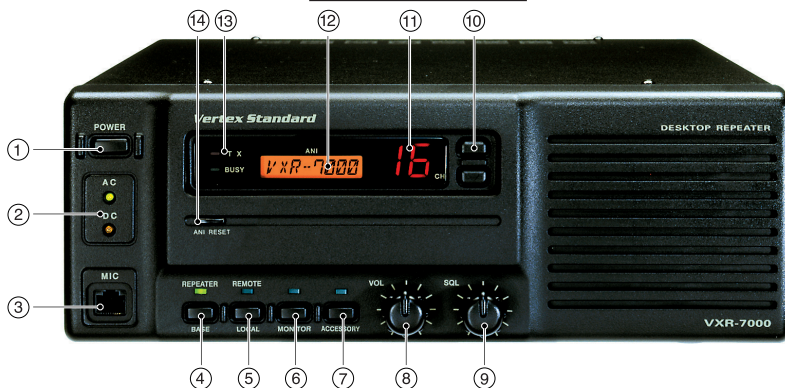
Programming Cable	RS-232C	CT-29 + CT-126
Programming Software	CE27	

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



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