

# 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)
- **16 CHANNEL SYNTHESIZED**
- **5 W TO 25 W (50 % DUTY CYCLE)**
- **12.5 / 25 kHz BANDWIDTH PROGRAMMABLE BY CHANNEL**
- **PLL STEP : 2.5 / 5 / 6.25 kHz (VHF)**  
**5 / 6.25 kHz (UHF)**
- **47 CTCSS TONES / 104 DCS CODES ENCODE AND DECODE**
- **5-TONE / DTMF ENCODE AND DECODE**
- **COMMUNITY REPEATER OPERATION (UP TO 16 TONE / 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 TRANSCIVER MODE**
- **SELECTABLE LOCAL MODE OR REMOTE MODE**
- **AUTOMATIC DC POWER SUPPLY BACKUP**
- **OPTIONAL INTERNAL DUPLEXER**
- **PC PROGRAMMING**
- **ACC CONNECTOR PORT & LINE INTERFACE PORT**

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



With a long list of built in features, the VXR-7000 Series Base / Repeater Station sets the standard for mid-power 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.

### Accessories & Options



MD-11 A&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)

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)
Number of Channels	16 Channels
Channel Spacing	12.5 / 25 kHz
Frequency Stability	Better than ±1 kHz
Antenna Impedance	50 Ω (N-Type)
Tx Activation System	Carrier-operated, CTCSS tone operated, DCS operated, or remote control
Power Requirements	200 - 240 V AC, 50 / 60 Hz or 13.8 VDC
Ambient Temperature Range	-25j C ~ +55j C
Dimensions (w/o knobs)	115 (H) x 325 (W) x 391.5 (D) mm (4.5 x 12.8 x 15.4 inches)
Weight (approx.)	10 kg (22 lbs.)

Receiver Specifications	
Receiver type	Double-conversion Superheterodyne
Sensitivity	0 dB μemf for 20 dB SINAD
Selectivity	70 dB @ SEP 25 kHz, 60 dB @ SEP 12.5 kHz
Intermodulation	70 dB
Spurious & Image Rejection	70 dB
Audio Output	4 W @ 4 Ω

Transmitter Specifications	
RF Output	5~25 W (Adjustable)
Duty Cycle	50 %
Maximum Deviation	±5.0 kHz (25 kHz spacing), ±2.5 kHz (12.5 kHz spacing)
Modulation Type	16K0G3E / 8K50G3E
Audio Distortion	Less than 2.5 % @ 1 kHz
Spurious Emissions	<-36 dBm @ <1 GHz, <-30 dBm @ >1 GHz

\*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.

### 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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