

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 $\pm 10\%$) 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 |

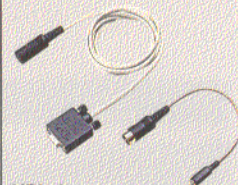
*Specifications subject to change without notice or obligation.

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

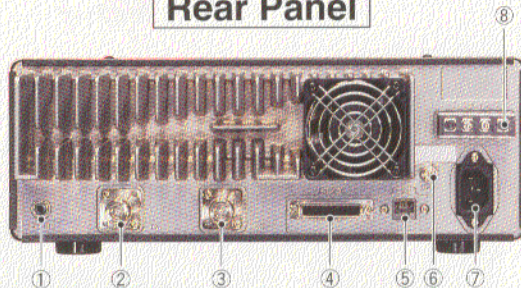


MR-3 EIA-standard 19-inch Rack

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

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