



The **VXR-9000** is commercial-grade 50-watt FM repeater designed to provide reliable two-way full-duplex communications over a wide range of environmental conditions.

Designed to mount in a standard 19-inch rack, the **VXR-9000** is crafted using the latest computer-aided design and manufacturing processes, to ensure a high level of reliability to users. Important channel frequency data is stored in EEPROM, and is easily programmable by a Servicing Technician or Dealer using an IBM compatible personal computer and the **VPL-1** Programming Cable and **CE60** Software.

Please take a few minutes to read this manual carefully. The information presented here will allow you to derive maximum performance from your **VXR-9000**. After reading it, keep this manual handy for quick reference, in case questions arise later on.

**Important Note:** Internal service work, programming, and accessory installations should only be performed by your authorized Vertex Standard Dealer. Dangerous conditions and/or possibly illegal operation may result from improper setup, programming, or internal modifications.

## SAFETY/WARNING INFORMATION

The antenna(s) used for this transmitter must be fixed-mounted on outdoor permanent structures with a separation distance of at least 74cm from all persons during normal operation and must not exceed an antenna gain of 0 dBd. This device must be restricted to work related operations in an Occupational/Controlled RF exposure Environment, not exceeding a maximum transmitting duty factor of 50%. The antenna(s) used with this device must satisfy the antenna co-location requirements of 47 C.F.R. 1.1307(b)(3).

## NOTICE!

- Do not modify this repeater for any reason.  
Refer service of this repeater to qualified technicians only.
- When the repeater become abnormal, such as the overheating, smoke smell of burning, etc., turn the main power switch off and disconnect the Main Power Source connector from the rear of the **VXR-9000** immediately. Also disconnect any backup power source you may have connected to the rear of the **VXR-9000**.
- Do not place any combustibile material near the repeater.
- Do not spray any liquid over the repeater.
- Ensure that the power and antenna connections are securely made, using cables with excess capacity for the power being utilized.