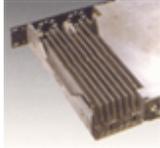


# KENWOOD

UHF FM Repeater

## TKR-830



Kenwood's new TKR-830 UHF repeater raises the performance and reliability bar again - combining low-profile design with rugged construction, computer-based configuration, and a 100% duty cycle.



### **DIE-CAST CHASSIS**

The die-cast aluminum chassis with integrated heat sink is the key to the TKR-830's durability, service level and light weight. The entire unit is sealed to provide long-term protection even in the most abusive environmental conditions.

### **32 PRESET CHANNELS**

There are no crystalline or complicated programming chores with the TKR-830. The 32 channels are built-in and preset, selectable from a remote control utilizing the D-SUB25 interface or internal DIP switch.

### **FLASH MEMORY ADVANTAGE**

There is both a main and a reserve flash ROM memory cache to accommodate future upgrades and enhancements.

### **2-DIGIT NUMERIC LED DISPLAY**

The 2-digit numeric LED on the front panel displays channel number and operational status information, such as an "unlocked" error.

### **LED INDICATORS**

The LED indicator lights provide clear system status information at a glance, including transmit, receive, external standard input and power. If the transmitter or receiver becomes unlocked, the LEOs flash for quick problem assessment.

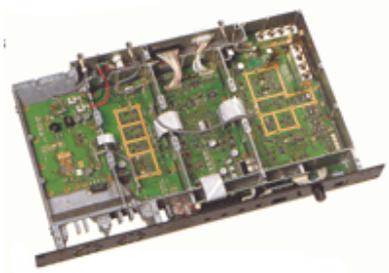
### **WIDE/NARROW CHANNEL BANDWIDTH**

The TKR-830 can handle both existing wide band systems and emerging narrow band applications for flexibility and long term viability. The bottom line is your investment is maximized over time.

### **PC PROGRAMMING AND TUNING**

The repeater can be programmed quickly and efficiently, without ever opening the case, with the PC connector, KPG-470 software, the KPG-46 cable and any PC-compatible computer.

**Following are the radio parameters available for programming:**



- ? Squelch (Analog/RSSI).
- ? Signaling balance.
- ? Maximum deviation.
- ? Signaling deviation (TO).
- ? RF output.
- ? RX audio signal output (RA).
- ? RX detector signal output (RO).
- ? TX audio input (TA).

### **EXTERNAL REFERENCE INPUT**

The internal oscillator already provides an excellent :t 1.5ppm stability figure, but for more demanding applications you can add the external oscillator standard to obtain a much higher stability factor. The "REF" LED on the front panel changes from green to red when the external signal is applied.

### **LOCAL SPEAKER & MICROPHONE/TEST SWITCH**

The built-in front panel speaker provides excellent audio and can be volume-controlled or switched off for maintenance operations. The TEST switch allows you to activate the transmitter without a microphone, or you may use the supplied mic for transmitting audio.

### **LOGIC INTERFACE**

The D-SUB25 connector provides a logic interface for external controllers to enable customization and integration with other features and capabilities. There is also an I/O connector for testing purposes.