



ELECTRONICS INDUSTRIES LTD.  
1, Platin St. New Industry Zone, Rishon Lezion 75653 ISRAEL



## *KRX-1 Preliminary Information*

### *Top-Security Digital Encryption Module for Analog Radios*

The *KRX-1* is a state of the art, professional voice digital-encryption module with very high capabilities, made especially for all Motorola Pro series (e.g. GP328/338, GP340/360, HT750/1250, PRO5150/7150 etc.). It can also support virtually any other radio model (e.g. Icom, Kenwood, Tait, HYT etc.). The *KRX-1* has a top-security classification and provides excellent value for money, making it an ideal solution for military and government use.

The *KRX-1* utilizes the latest technology to encrypt digitized voice, and has been designed specifically for two-way radio environments. The *KRX-1* raises the security of analog radios to an unparalleled level, which up until now was available only in the most sophisticated digital radios. Yet, the *KRX-1* is moderately priced, providing a cost effective solution. The *KRX-1* can work with existing analog repeaters and base stations (conventional, simplex, trunking, voting etc.), without having to make any changes. It is also upgradeable, which means that the *KRX-1* will support future enhancements when they become available.



**KENWOOD**  
Listen to the Future



Tel: +972 3 9523540 Fax: +972 3 9523511 [www.kavit.com](http://www.kavit.com) [info@kavit.com](mailto:info@kavit.com)

Professional Radio Series Application Partner of Motorola

## Main Features

- ✓ Unparalleled security level & cracking time, previously only available in the most sophisticated encrypted digital radios.
- ✓ Session algorithm: Stronger than Triple-DES & AES (Advanced Encryption Standard)
- ✓ Number of encryption bits (depends on the specific model): 128 bit – 512 bit
- ✓ Number of encryption codes (depends on the specific model):  $3.4 \times 10^{38}$  or more
- ✓ Simple plug & play installation for all Motorola Pro series as well as any other radios that support this feature (e.g. GP328/338, GP340/360, HT750/1250, PRO5150/7150 etc.)
- ✓ Excellent voice recognition
- ✓ Standard digital features: Reduced static noise, negligible range loss, no lost audio, continuous late entry, improved voice quality in poor environments, etc.
- ✓ Clear/Secured: Automatically selected (in Rx mode)
- ✓ Supports Secure-OTAR (Over The Air Reprogramming) and Wireline programming
- ✓ Standard Secure-OTAR's features: Re-programming, KILL capability for disabling lost or stolen radio, ANI – Automatic Number Identification, etc.
- ✓ Planned support for **OTeR** – **O**ver **T**he-air encrypted **R**eprogramming
- ✓ Multiple encryption keys – Allows working only with the requested keys or groups, while muting incoming messages that cannot be decrypted
- ✓ Most cost-effective solution compared to encrypted digital radios & infrastructure
- ✓ Works with existing analog repeaters (conventional, simplex, trunking, voting)
- ✓ Upgradeable to support any future enhancements when available
- ✓ Can be quickly adapted to most radio models
- ✓ Friendly software for reprogramming the encryption keys

- All specifications are subject to change without prior notice.
- This product requires an export license of IMOD (Israeli Ministry of Defense) for the required model (according to the number of bits, e.g. 256-bit). For USA, Canada, and most European countries, a license is usually received immediately.