



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



KV1120PRO's main advantages over the competition...

- **Incomparable Encryption Quantity: 4.523×10^{74} Encryption Processes (i.e. 75 digits!)**
- **Some companies claim that their “frequency hopping” scramblers change frequencies hundreds of times per second thereby implying that their scrambler offers higher security. However, because such frequency changes are very minute they are actually utilizing frequency sweeping rather than true frequency hopping. Frequency sweeping makes a continuous change that may be tracked with tracking phase lock loop (PLL) circuitry. KAVIT avoids this problem by utilizing a true pseudo-random High-Rate Frequency-Hopping circuitry with random dwell time that is difficult to track.**
- **Some companies use Over The Air Re-programming method. However, their encryption parameters are sent over the air, thus enabling an unauthorized user to easily receive and decode ALL subsequent conversations ! KAVIT avoids this by using the SBEP interface for programming the Option Board. Programming the KV1120PRO via the Radio's SBEP interface ensures that encryption parameters are NEVER transmitted over the air.**
- **Competitive products do not specify any changing factor for each PTT conversation (in the best case “some randomization element”). Consequently, same key results in the same (scrambling process) sequence repeated in all PTT conversations ! (same scrambled process every PTT call - if an attacker broke one scrambled PTT call, he actually broke all the PTT messages which were and will be done with the same key)**
- **The KV1120PRO can receive up to 5 Different CodeKeys (Digital Private Line Codes; 4,294,967,296 combinations per each code) Simultaneously. This is effectively equivalent to 5 different groups.**
- **Current drain from the Radio's battery in a standby mode is miniscule: Less than 1.2mA !**
- **Competitively Priced**