

Voice Ciphering Modules SEU-8201

Portable Radios with high-security

Our modules can be retrofitted into most current radio sets.



Voice Ciphering For VHF-UHF radios

User groups:

- **Anti Terrorist Groups**
- **Police, Special Agencies**
- **Anti Drug Forces**
- **Task Forces against Organized Crimes**
- **The Military or Paramilitary Organisations**

Features:

- **Extreme high security**
- **Very low coding delay (30 ms end-to-end !)**
- **Excellent speaker recognition**
- **Robust synchronization technique**
- **Function via multi relay stations, without sync lost**
- **No need for expensive relay repeater regenerators for ciphering !**
- **Modules for integration into existing radios for retrofit**

We offer new digital Voice Ciphering Module SEU-8201 for highly secure voice communication over analog radio channels. Based on complex digital signal processing techniques in conjunction with state-of-the-art encryption techniques, the SEU-8201 provides a speech encryption algorithm surpassing the known methods which use frequency and/or time slot exchanging mechanisms. The SEU-8201 avoids the disadvantages of existing techniques including conventional VOCODER-based systems and combines excellent speaker recognition with highest security.

The SEU-8201 is a high-security voice ciphering system which is mainly used for authorities, governmental agencies, police and military or paramilitary. The ciphering algorithm is a new app providing the highest security needed for such user groups. From a practical standpoint, it is not susceptible to eavesdroppers, etc. or by using current crypto-analytical methods.

The SEU-8201 Voice Encryptor System can be implemented into already existing VHF UHF radio networks for end encryption without the necessity of changing radio communication infrastructures. The SEU-8201 system gu



secure and economic solution for high security applications without compromises.

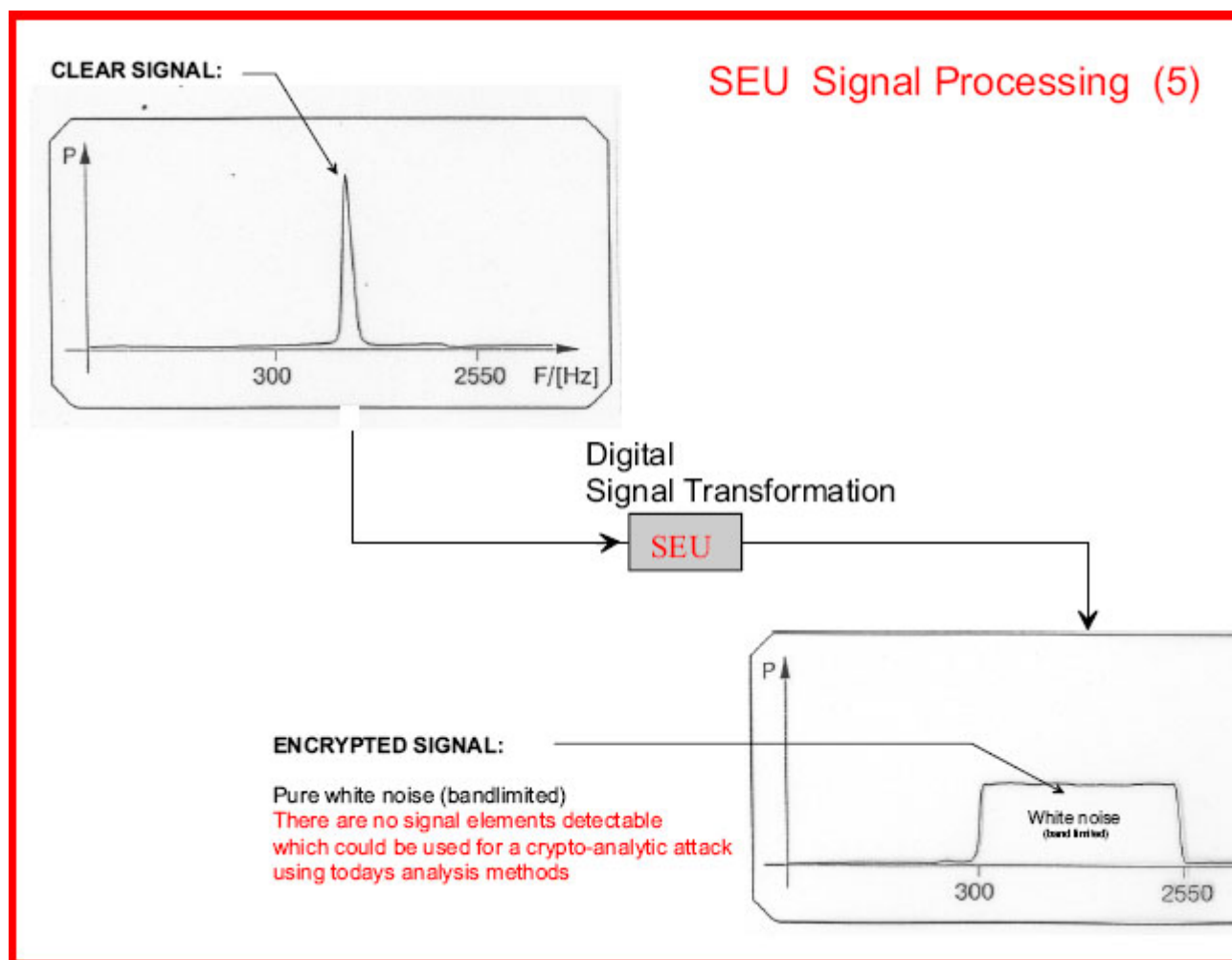
The SEU-8201 is compatible with complex radio networks, such as multiple repeaters and simulcast systems. No bandwidth is needed for ciphering mode. For relay operation, no special repeater is required.

Ciphering and deciphering takes place with essentially no delay and is not noticeable by the user.

User defined algorithms and addressing schemes can be integrated. The length of the communication key in conjunction with a highly sophisticated algorithm makes it suitable for high security tactical radio networks.

The high security ciphering technique developed for the SEU-8201 is not affected by any political considerations to a very high level of security, an absolute must for military theatre deployment, for special police task force or governmental security organs.

The module can be retrofitted into most current radio sets. Modules are available for most of the popular types. The SEU-8201 can be supplied as PCBs or add-on units. A ruggedized military version for use with AN/PRC...can be provided.



VHF Encryption | Voice Encryptor

http://vhf-encryption.at-communication.com/en/secure/seu_8201.html