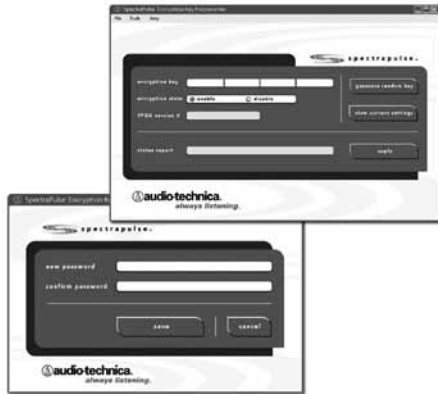


128-Bit Encryption Software



Features

- Allows additional AES 128-Bit digital encryption
- Encrypts at the mtu and aci
- Automatic or user-selected key
- Access to software can be password protected
- Windows® based application
- Single screen operation
- Includes USB-to-RS232 interface cable

Description

The sep128 software encryption package allows the user to add an additional level of encryption to a SpectraPulse® ultra wideband wireless microphone system. The basic SpectraPulse® system inherently meets the Transmission Security (TRANSEC) requirements of having a very low probability of detection. Adding the software encryption key effectively encrypts the digital transmission scheme allowing the SpectraPulse® system to also meet the requirements of Communication Security (COMSEC). The encryption algorithm is based on AES 128-bit digital encryption standards for protecting sensitive data. Designed to run under the Windows® operating system, the software package enables the user to encrypt at both the Microphone Transmitter Unit (mtu101 and/or mtu201) and the Audio Control Interface (aci707). A single screen allows the user to select an automatically generated key or enter one of their own (provided it meets the required parameters). The software can also be password-protected for an enhanced level of secure access. Included with the software is a USB-to-RS232 interface cable enabling computers that do not have an RS232 port to connect to the system.

Architect's and Engineer's Specifications

The encryption software shall enable the user to apply an AES-128 Bit digital encryption key to a SpectraPulse® ultra wideband wireless microphone system. The encryption software shall run under the Windows® operating system and shall consist of a single screen. It shall be possible for the user to select an automatically generated key or create one of their own. The user-supplied computer running the software shall connect to the SpectraPulse® system via a standard RS232 interface. A USB-to-RS232 cable shall be provided with the software package. The software shall be packaged on a CD-ROM with a self-guided installation routine.

The Audio-Technica sep128 encryption software package is specified.





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