Midian’s VS-1200-HS1™ is a tactical level, high security voice scrambler in an H-250 handset that protects voice communication using digital signal processing (DSP) technology. The analog audio is digitized and a proprietary method of scrambling that employs the fast Fourier transform (FFT) is applied. The scrambled data that results is converted back to analog for transmission over the radio channel. This provides excellent recovered audio quality and speaker recognition. The VS-1200-HS1 can be used over HF/VHF/UHF radios employing AM/FM/SSB modulation. Automatically detects scrambled or clear voice communications. It also includes push to talk (PTT) ANI (automatic number identification) for display on the CAD-300 command post dispatch display unit. There is an optional 3 axis accelerometer for man-down/lone worker/emergency ID available.

**VS-1200-HS1 Features**

- Billions of possible programmable Security Keys
- 3 User selectable Symetric Security Keys
- Excellent recovered audio quality and speaker recognition
- Automatically detects clear/scrambled communication
- Pressing PTT at power up activates scrambler
- Can be used over HF/VHF/UHF radios using AM/FM/SSB
- The handset derives power from the center pin on the U-329 connector on many newer Manpack Radios

**CAD display Features**

**Multi-Format ANI:** The VS-1200 can transmit the following ANI formats to the CAD modem dispatch display at the command post

- Midian’s GPS format - CAD-800
- Motorola’s MDC-1200 - CAD-500
- Kenwood’s FleetSync - CAD-600
- DTMF (Touch-Tone) - CAD-100
- 5-Tone (all formats) - CAD-200

**Optional: VS-1200-HS1 Man-Down/Lone Worker feature**

- Emergency ID activated by the man-down/lone worker sensor.
- The microphone’s speaker can sound emergency locator tones to aid rescuers in locating users in distress