

Voice inversion scramblers protect two-way radio communications from eavesdropping by casual listeners. For more sensitive communications Midian recommends using the TVS-2 or VS-1200.

VPU-12A Voice Inversion Scrambler



The VPU-12A is a user-programmable voice inversion scrambler with 16 different inversion frequencies that are selectable using 4-line binary. The VPU-12A offers the same features as the VPU-12 except the VPU-12A has mode indications.

The VPU-12A series has the following features:

- Number of Programmable Inversion Codes: 16
- Inversion Frequency Range: 2100 to 4100 Hz
- Dimensions: 1.0" L x 0.85" W x 0.15" H
- Requires Midian's KL-4 Programmer

VPU-15 Voice Inversion Scrambler with Kryptic Signaling



Shown: VPU-15

Midian's VPU-15 incorporates voice inversion scrambling with Midian's Kryptic signaling format. These signaling features allow for greater control of fleet communications and the automatic detection of scrambled/clear audio. (See below for Kryptic features)

The VPU-15 series has the following features:

- Total Inversion Codes Available: 37
- Number of Selectable Inversion Codes: 4
- Requires Midian's KL-4 Programmer
- Midian's Kryptic Signaling Format for:
 - ANI & Emergency ANI
 - Selective Calling
 - Radio Kill
 - Spy
 - Radio Check
 - Over-The-Air-Reprogramming (OTAR) of the Security Keys

Plug-in modules of the VPU-15 are available for Hytera, Icom, Kenwood, Motorola, Tait and Vertex.

VS-1000 Voice Inversion Scrambler



Shown: VS-1000-IC2

Midian's VS-1000 is a 16-code voice inversion scrambler that is KL-4 programmable to any inversion frequency between 2100 Hz and 4096 Hz.

VS-1050 Voice Inversion Scrambler with Multi-Format ANI

Midian's VS-1050 offers the same security features as the VS-1000, but offers ANI and Emergency ANI in the following signaling formats:

- Motorola's MDC-1200
- Harris' G-Star (aka GE-Star)
- 5-Tone (all formats)
- Kenwood's FleetSync
- DTMF

Plug-in modules of the VS-1000 & VS-1050 are available for Icom, Kenwood, Motorola and Vertex.