



Rolling Double Inversion Scrambler

VS-110

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Midian's VS-110 series is a rolling double inversion voice scrambler that is compatible with Icom's UT-110. The VS-110 matches the Icom UT-110 group and code numbers. The VS-110's codes can also be programmed for fixed double inversion voice scrambling (aka split-band voice scrambling) that is compatible with Midian's VS-1100 and VPU-6, Icom's UT-109 and Inysa's XPTO (Señalización y Telecontrol).

Security Features:

The VS-110 supports the following security features:

- In rolling double inversion mode (Icom UT-110 mode) the unit can be programmed to match the 1020 codes of the UT-110 (4 groups with 255 codes per group).
- In fixed double inversion mode the unit can be programmed to match any of the 32 double inversion codes used by Midian's VS-1100 and VPU-6, Icom's UT-109 and Inysa's XPTO.
- Programmable for up to 16 different codes (some versions may only support up to 4 codes).
- Mode selection (scramble on/off) and code selection can be done using a button on the radio or on a per-channel basis depending on the board and radio used.

Voice Quality:

Midian's VS-110 provides excellent voice quality and speaker recognition between scrambled and clear audio.

Plug-In Modules:

Midian offers plug-in versions of the VS-110 for Icom, Kenwood, Motorola and Vertex radios. For radios without a plug-in module available, Midian's VS-110 will wire into many radios. Midian offers application notes for installation into various radios. A speaker microphone version of the VS-110 is also available.

Use in Most Systems:

Midian's VS-110 can be used in conventional and trunked two-way radio systems.

Product Quality:

Midian believes in and adheres to a strict quality program. This is backed up by Midian's 3-year warranty on parts and labor.



Shown: VS-110-MPP1 for Motorola Professional Portables



Shown: VS-110-KW2 for Kenwood TK-2170 & TK-3170



Shown: VS-110-VX1 for Vertex Portable & Mobile Radios