



**HV Sistemas S.L.**

*Trustworthy radio data transmission*

# multiple inversion voice scrambler P8602

The Multiple Inversion Voice Scrambler P8602 is a equipment for use with Motorola Professional Series portable and mobile radios with PROIS interface.

This voice scrambler is based in a powerful digital signal processor, and its encryption mechanism is based in the spectral division of the voice spectrum, its inversion and trasposition.

It has 65536 possible keys, providing better security than the traditional split-band voice scramblers, within a similar price.



It also incorporates other functionalities like over the air reconfiguration thanks to its integrated modem, and can be also tailored to specific customer requirements.

Additionaly, it has a very low power consumption, a very important factor for portable radios, and also provides an excellent recovered audio quality



## Specifications\*

<b>Power supply voltage</b>	From radio, through PROIS connector
<b>Power supply current</b>	20 mA
<b>Encryption method</b>	Multiple band voice inversion and trasposition
<b>Number of keys</b>	65536
<b>Internal modem</b>	FFSK 2400 bps
<b>Data encryption</b>	Strong algorithm, 2 <sup>32</sup> possible keys
<b>Passband</b>	300 – 3000 Hz ± 3 dB
<b>Remote control functionalities</b>	Remote key modification, Voice scrambler inhibit Radio inhibit Erase of all voice scrambler codes
<b>Sizes</b>	Standard PROIS board for mobile and portable professional series Motorola radios
<b>Temperature operating range</b>	-30°C a 60°C

\* Specifications subject to change without notification