

Countermeasures

Scanlock ECM Countermeasures Receiver



Automatic strong signal seeking and automatic scan mode

Frequency measurement of locked-to signal

Silent operation, remote alarm and real time protection

Complete coverage from 12KHz to 1.8GHz and above

External outputs available for connection to other equipment

Includes comprehensive set of accessories

2 Year manufacturers warranty

Scanlock ECM is a new approach engineered to give complete protection against radio bugging devices in a simple to use package. A fully featured **Mode** control sets up the recommended operating procedures in sequence. The advanced user can override this control and operate independently. Many manufacturers don't address all the threats posed by the use of radio transmitters as bugging equipment. For example reliance on Sonic Loop or similar feedback techniques means that many types of transmitter will never be detected. In addition the eavesdropper will be immediately aware upon hearing the distinctive tone that countermeasures are in operation and therefore will be able to make good his escape.

Scanlock ECM with its advanced operating system has several unique facilities and accessories that combine to detect all types of radio bug. Scanlock ECM offers two basic modes of tuning: **SSS** - Strong Signal Seeking and **Scan** - Automatic Tuning. These can be combined with either direct listening through the headphones for completely silent operation or with **Audio Lock** through the loudspeaker to detect the presence of a transmitter. Frequency measurement further assists in identification of the source of the signal. **Upper** and **Lower Squelch** settings are available to further facilitate the search. Verification of the signal as a bug is confirmed using the headphones or by using correlation techniques. The exact position of the transmitter is indicated in the **Locate** mode by a rising tone when approaching its position.

The capability of the basic unit is further enhanced by the provision of accessories to check for low frequency carrier devices on all types of cable including mains, a remote alarm, two training transmitters and an interface to check telephone lines for the presence of radio controlled telephone taps.

Controls

RF (10MHz+), CF (10MHz-), SSS, Scan, AM, FM, SC, Lock, Mode, Manual, Locate and Reset switches. Tune, Fine Tune, Upper and Lower Squelch, Volume rotary controls.

Displays

LED indicator lights for all switches. 10 LED bar display for Signal strength. Squelch state and Mains LEDs and a 16 character alphanumeric LCD giving status messages.

Outputs

Internal loudspeaker
Headphone and recorder output sockets
2MHz IF output for 10MHz+ tuning band
10.7MHz output for 10MHz- tuning band
5 MHz output for RF down converted mixer output
Remote alarm output set by squelch.

Indicators

Lock - High sensitivity audio lock alert system with positive signal correlation to eliminate false alarms. Adjustable volume control to allow user to adapt system to local conditions.
Locate - Rising tone when approaching site of signal transmission.

Power

Mains - 110/120, 220/240 VAC 50/60Hz
Battery - Internal 4Ah rechargeable lead acid pack. Integral charger in unit.

Accessories

Carrying case
Antenna and extension lead
Remote alarm
Mains lead, Shoulder strap, Headphones, Spare fuse kit, Operating and Applications manuals.
Mains and radio training transmitters.
Low frequency carrier cable interface.
Scan-Tel telephone line interface

Warranty

Parts and labour, two years

Order Number

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