

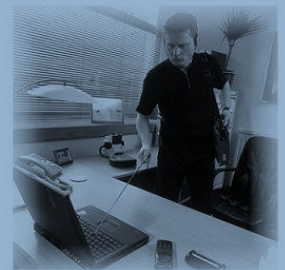
## Scanlock M3 counter surveillance receiver

The Scanlock M3 is a major advancement in the field of Technical Surveillance Counter Measures (TSCM). Enhancing the industry standard Scanlock family, the Scanlock M3 offers the TSCM operator a multitude of performance enhancements and operational benefits which can be employed to combat the threat posed by modern radio eavesdropping devices (bugs).

The Scanlock M3 includes all the tools necessary to detect, identify and locate suspicious signals within a secure area, real time analysis of signals comes as standard and the integrated detector channels (Advanced system) can identify the majority of telecommunications signals which will be present in the modern office environment.

The icon based user interface has been designed for all levels of operator. Screens range from simple lists of detected signals to more complex spectrum analysis and time domain displays.

The Advanced Analysis software (Advanced system) offers the operator remote capabilities along with real time complex signal analysis and the facility to store and annotate sweep data.



### User Benefits

- wider frequency range to cover the vast majority of threats (Advanced system)
- improved scan rates to capture the fastest burst type threats
- analogue and digital (Advanced system) detection capabilities to cover the majority of threats in the modern radio environment
- ergonomic packaging design, smaller lighter and easier to use
- multi use antenna to enhance system performance to 10GHz (Advanced system)
- network connectivity for remote control and monitoring (Advanced system)
- Desk-mountable to provide continuous monitoring during meeting
- user friendly icon based user interface with multi-lingual help facility
- graphical spectral analysis software for signal analysis, remote access and historical data storage (Advanced system)



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# Scanlock M3

counter surveillance receiver

## Technical Specification

### Harmonic Receiver

Frequency range:	Near DC to 10GHz in 4 bands
	<b>(Basic &amp; Advanced System)</b> Band 0: 12.8MHz to 2500MHz, Band 1: 2500MHz to 5000MHz
	<b>(Advanced System only)</b> Band 2: 5000MHz to 7500MHz, Band 3: 7500MHz to 10000MHz

Sensitivity :	Better than -50dBm
Dynamic range:	Better than 50dB

### Broadband Detector

Frequency range:	<b>(Advanced System only)</b> 10MHz to 10GHz
Sensitivity:	Better than -50dBm
Dynamic range:	Better than 50dB

### ISM Band Detectors

Frequency range:	<b>(Advanced System only)</b> 2.4GHz & 5.8GHz bands
Sensitivity:	Better than -50dBm
Dynamic range:	Better than 50dB

### 3G, GSM Detectors

Frequency range:	<b>(Advanced System only)</b> Various worldwide bands
Sensitivity :	Better than -50dBm
Dynamic range:	Better than 50dB

### Man machine interface

Display:	TFT 640 x 480 VGA LCD
Screen update:	2 x per second in surveillance mode, 5 x per second in locate mode

### General

Main Size (w x d x h):	270mm x 170mm x 80mm
Main unit weight:	2.1kg
Antenna size (w x d x h)	260mm x 165mm x 60mm
Antenna weight:	0.9kg
Environmental:	Operating temperature +5degC to +35degC, benign office environment

### Connectivity:

**(Basic System)**  
USB for software upgrades

**(Advanced System only)**  
USB for software upgrades  
RJ45, Ethernet interface

### Battery life

Battery operation: battery	Basic unit minimum of 4 hours on internal
External PSU:	12v DC @ 4A, reverse polarity, overvoltage and over current protected.

### Approvals

EU:	EN300 440.1, EN301 489-3
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## Warranty

Scanlock M3 comes with a return to base warranty against defective materials and workmanship for a period of 2 years from delivery. With regular authorised maintenance and recalibration of the unit the basic warranty can be extended for a further period.

## Technical Support Group

The Audiotel Technical Support Group (TSG) can be contacted during UK office hours on:

T: +44 (0) 1536 266677  
F: +44 (0) 1536 266711

or via the Contact Us page on the Audiotel website.

Core UK office hours are (GMT):  
Mon.-Thur.: 09:00am to 5:00pm  
Fri.: 08:30am to 4:00pm

## Training

Audiotel is able to offer full training in the operation of our products together with general counter measures training and seminars.

Due to our policy of continuous improvement, all specifications are subject to change without notice.

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