

PRO-W10GX

Wideband Digital RF
Detector - 0 to 10 GHz
with Memory Log



FEATURES

- Detects the very latest covert listening, tracking, cellular, and video devices
- Ultra wide frequency response 0 -10 GHz with improved top end performance
- Frequency Counter 0-6 GHz for analogue and digital signals
- 'Livescan' feature shows live detected signal trace
- 1000 Event Memory Log records all detected Burst signals & frequencies
- Graph Mode plots detected signals / frequencies
- 2.5 inch Colour TFT display
- Ultra-sensitive – even at very high frequencies
- Two antennae supplied –High Gain Directional antenna and standard Whip antenna
- Detects Digital & Analogue signals
- Audio Demodulation through built in speaker
- Signal Strength 'Beep' and Silent Vibrate Mode
- Machined Aluminium Enclosure for maximum durability
- Internal Lithium Polymer battery pack – Charger supplied
- Supplied in Heavy Duty Military Standard carry case

The **PRO-W10GX** handheld wideband RF Detector is designed to detect and locate signals from the very latest covert listening, tracking, cellular, and video devices.

With a completely new hardware design the PRO-W10GX packs new features that have never been seen before in a handheld RF detector.

It features a 0–10 Ghz RF frequency range with unrivalled sensitivity particularly at higher frequencies for the growing threat from the latest super high frequency devices. A new intelligent frequency-counter design has been implemented that can now display most digital frequencies as well as analogue signals up to an unprecedented 6 GHz.



Detected signal strength is shown on a 20 element bargraph, enabling the user to locate the precise source of any detected signal. The frequency of the detected signal can be seen simultaneously and the new 'Livescan' software shows the detected live signal pattern graphically to help identify the signal type. This can be particularly useful when searching for pulsing or burst devices such as GPS trackers.

The PRO-W10GX features a 1000 Event Memory Log that stores all detected signal data including any short Burst transmissions, their frequency, duration and signal strength. These are shown in an easy to read list format for the user to scroll through. If required the user can switch to Live Graph Mode where up to one hour of detected signal and

frequency data is recorded and plotted on a graph. These memory functions ensure the user does not miss any detected events and are invaluable for helping the user determine exactly what type of signal has being detected.

Signal strength can be monitored used in audible 'Beep' Mode or Silent Vibrate Mode for discreet or concealed use. Detected signals can be listened to via the built in speaker using the Audio Demodulation feature, useful when detecting conventional analogue bugging devices that contain microphones.

The PRO-W10GX is supplied with two antennae: a conventional omni-directional whip antenna for general use and a new high gain directional antenna for pinpointing high frequency signals at greater distance.

The PRO-W10GX is designed and manufactured in the UK to the highest specification and is enclosed in a customised machined aircraft-grade aluminium enclosure. It uses an integral Lithium-polymer battery pack and is supplied with an international charger. The complete system is supplied in a heavy duty military standard carry case for ultimate protection.



SUPPLIED ACCESSORIES

- Semi-Rigid Multiband Whip Antenna
- Directional High Gain Antenna
- 5V DC Charger - 110V to 240V AC input (Auto Switching) with International Adaptors
- Heavy Duty Military Standard Carry Case



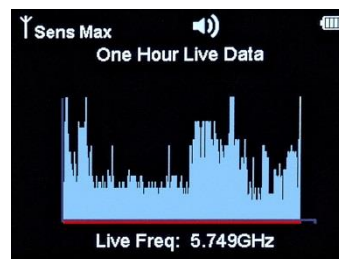
PRO-W10GX using Whip Antenna



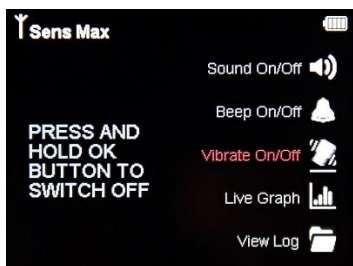
Directional High Frequency Antenna

Sens Max					
Event	Time	Frequency	Sig	Duration	
065	00:29:03	5.727 GHz	20	00:28	
066	00:29:49	2.437 GHz	12	00:17	
067	00:30:15	897.6 MHz	11	00:21	
068	00:30:49	1.748 GHz	12	00:30	
069	00:31:27	847.0 MHz	12	00:18	
070	00:31:57	399.5 MHz	20	00:21	
071	00:32:27	1.950 GHz	18	00:15	
072	00:32:56	2.437 GHz	18	00:23	
HOLD OK TO ERASE LOG					

Detected Event Log List Screen



One Hour Live Graph Screen



Menu Screen



Charge Socket for internal Lithium battery

TECHNICAL SPECIFICATIONS

Typical Performance Characteristics - at 20 degrees C

Antenna Connector	MCX Socket - 50 Ohm
Input Frequency Range	1MHz – 10,000 MHz (10.0 GHz)
Sensitivity	100MHz -49 dBm
	200MHz -48 dBm
	500MHz -47 dBm
	1GHz -44 dBm
	2GHz -50 dBm
	5GHz -42 dBm
	10Ghz -30 dBm
Demodulation Sens. for 50mW Audio	-30dBm (measured at 500MHz 50% AM 1kHz)
Audio Frequency Response	400Hz – 5kHz +/-2dB
Display	TFT Colour 2.5' High Contrast Graphic Display
Battery	Internal 3.7V 1500 mAH Li-Ion rechargeable
	Operating Duration – fully charged battery 8 hours
	Charge Time – 4 hours
Operating Temperature Range	-15 – +50 degrees C - Relative Humidity < 90%
Dimensions	128 mm x 74 mm x 26 mm
Weight	240 g – Main Unit
Signal Processing and Control	RISC Based Microcontroller
Memory	1000 Event Log - non volatile
	1 Hour live graph of signal data and frequency

