

Wireless Activity Monitor - **WAM-X25+**



Cellular 2G/3G/4G/5G & Satellite Phone Detection
2.4GHz/5GHz/6GHz Wi-Fi/Bluetooth Detection
Wideband 0-14 GHz - Wi-Fi Network & Bluetooth Analyser
Direction Find Function



FEATURES

- Detects 2G/3G/4G/5G devices - plus Wi-Fi/Bluetooth/2.4GHz, 5GHz & 6GHz Devices
- Detects Mobile Phones, Smartphones, GPS Trackers, SMS (Texts), GSM Bugs, 3G/4G/5G Video, Bluetooth & Wi-Fi Devices, AirTags & other B.L.E. Devices, Store & Forward devices
- Worldwide Cellular Coverage - Simply select the relevant region of use
- Satellite Phone Detection – L-Band
- Separate Wideband RF Detector 0-14 GHz
- Separate 2.4GHz, 5GHz & 6GHz Wi-Fi Detector
- Wi-Fi Network Analyser provides data on nearby WLAN networks
- Bluetooth Device Analyser provides data on nearby Bluetooth devices including Bluetooth Beacon devices such as Apple AirTags.
- Direction Find Function for pin-pointing signal sources
- Event Log records Time/Date, Band, Duration & Signal Strength of up to 10,000 Events
- Log can be viewed on screen or saved to USB stick for storage/viewing on a computer
- Graph Mode plots real time or historical graph of all detected cellular bands
- Widescreen High Resolution 7-inch Colour TFT Display
- Adjustable hinged antennas
- Machined aluminium enclosure for maximum durability

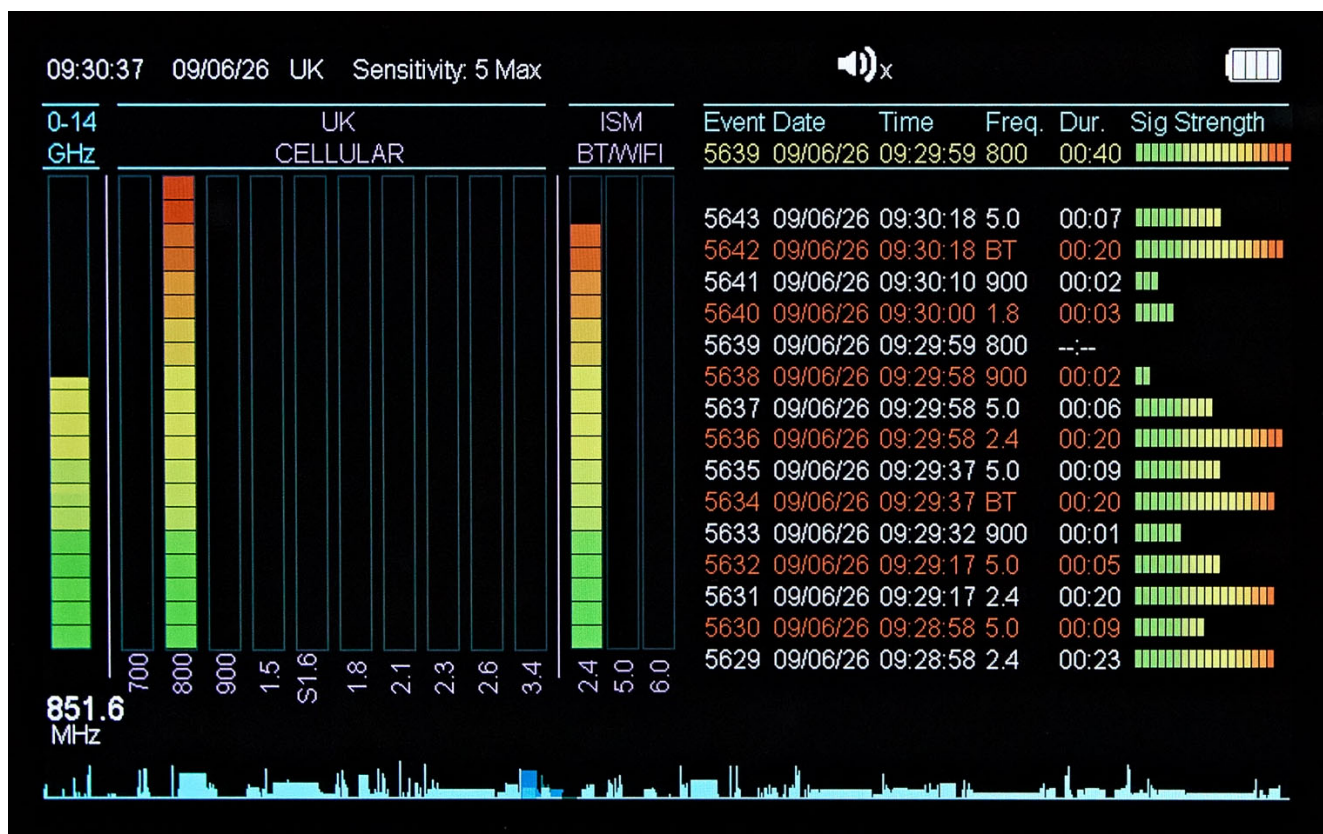
The **WAM-X25+** Wireless Activity Monitor is a compact tablet-style, multi-band Radio Frequency (RF) signal detector for handheld or desktop use. It is designed for detection and logging of transmissions from all types of radio frequency devices.

The WAM-X25+ provides complete coverage and logging of all RF activity in the surrounding area.



Wideband Detection

The 0-14 GHz Wideband detector provides the highest range of coverage of all RF activity in the target area. The frequency of the detected signal (up to 6GHz) can be seen simultaneously and the '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.



Worldwide Cellular Band Detection

The WAM-X25+ has separate Worldwide multiband Cellular coverage. Simply select the international region the device is being used in and the WAM-X25+ will detect signals from all the relevant local cellular bands. This means the WAM-X25+ is ready for the rollout of the latest 5G devices, worldwide. Of course, all existing 2G, 3G and 4G bands will also be covered. It can be used in any environment where cellular devices are forbidden such as sensitive meeting rooms to check for hidden devices, unauthorised mobile phone usage in offices, exam halls, hospitals, or prisons and in vehicles to locate the latest Vehicle/Asset tracking devices. All cellular activity is logged and can be reviewed at a at any time, graphically or in list format. The WAM-X25+ also has a separate band for detection of Satellite phones using L-Band (1.6 GHz)

2.4 GHz, 5GHz & 6GHz Wi-Fi Detection

The WAM-X25+ has a separate 2.4 GHz, 5GHz & 6 GHz bands for detecting the rapidly growing threat from Wi-Fi/Bluetooth/Video and other latest generation 'Store & Forward' devices. Such devices can for example, record audio over long periods and then transmit it in short regular bursts. It will also detect other devices that use these bands such as covert wireless video transmitters.

Wi-Fi Network Analyser

The WAM-X25+ features a new Independent Wi-Fi Network (2.4 & 5GHz) Analyser to provide detailed activity information about WLAN networks in the surrounding area such as Hotspots, Routers, Wi-Fi cameras etc. The device will scan through detected Wi-Fi Access Points/Clients and compile a detailed list of information: Date & Time of Event, Wi-Fi MAC Address, Manufacturer (If available), Type (Access point or Client), Number of Data Packets detected, Wi-Fi SSID (If available) and band (2.4 or 5 GHz)

09:23:01	09/06/26	UK						
Date	Time	WiFi MAC Add	Manufacturer	Type	Pkt	WiFi - SSID	2.4/5	
09:06:26	09:22:46	A8A2374AE71C		AP	110	BTB-H7CGP3	2.4	
09:06:26	09:22:46	D48660668FF9	Arcadyan Cor	AP	111	BTB-K6CGCQ	2.4	
09:06:26	09:22:46	6A8660668FFD		Client	70		2.4	
09:06:26	09:22:46	F80DA9413CC1		Client	105	Geiko WiFi	2.4	
09:06:26	09:22:46	6C0B5EC71DC2		AP	90	DIRECT-C1-HP Des	2.4	
09:06:26	09:22:46	6A8660668FFA		AP	106	BT_Guest_Wi-Fi	2.4	
09:06:26	09:22:46	50D4F7C030DE	TPLink Tech	Client	42	TP-Link_30DE	2.4	
09:06:26	09:22:46	62A2374AE718		Client	101		2.4	
09:06:26	09:22:46	E0B9E5B6E675	Technicolor	Client	03	XLN For Small Bi	2.4	
09:06:26	09:22:38	482254C4DD46		AP	213	TP-Link_DD46	2.4	
09:06:26	09:22:38	807215F56BD2	BSkyB Ltd	AP	58	SKYZUUTQ	2.4	
09:06:26	09:22:38	3C8994F61962	BSkyB Ltd	AP	56	SKYEPBGI	2.4	
09:06:26	09:22:32	48D343E62AC9	Arris Group	AP	22	VM1556557	2.4	
09:06:26	09:22:32	060E3C5E7980		Client	01	DIRECT-80-HP ENV	2.4	
09:06:26	09:22:32	5CB13EB39508	Sagemcom Bro	Client	18	TALKTALKB3950B	2.4	
09:06:26	09:22:32	206A94301788	Hitron Tech	Client	09	VM201788	2.4	
Scanning WiFi Channel: 11			Next channel in 2 seconds. Press OK on a Device to Hide					
CLEAR LIST	SCAN ACCESS POINTS	SCAN ALL DEVICES	SCAN FOR CLIENTS	ORDER: TIME	PACKETS	HIDDEN DEVICES		



Bluetooth Device Analyser

The WAM-X25+ also features a built-in Bluetooth analyser to list nearby active Bluetooth devices such as AirTags (and other Beacon devices), Smartphones, Tablets, headphones, fitness trackers etc. Information gathered includes: Event Date & Time, Bluetooth MAC Address, Manufacturer (If available), Signal Strength in dBm & number of Data Packets detected.

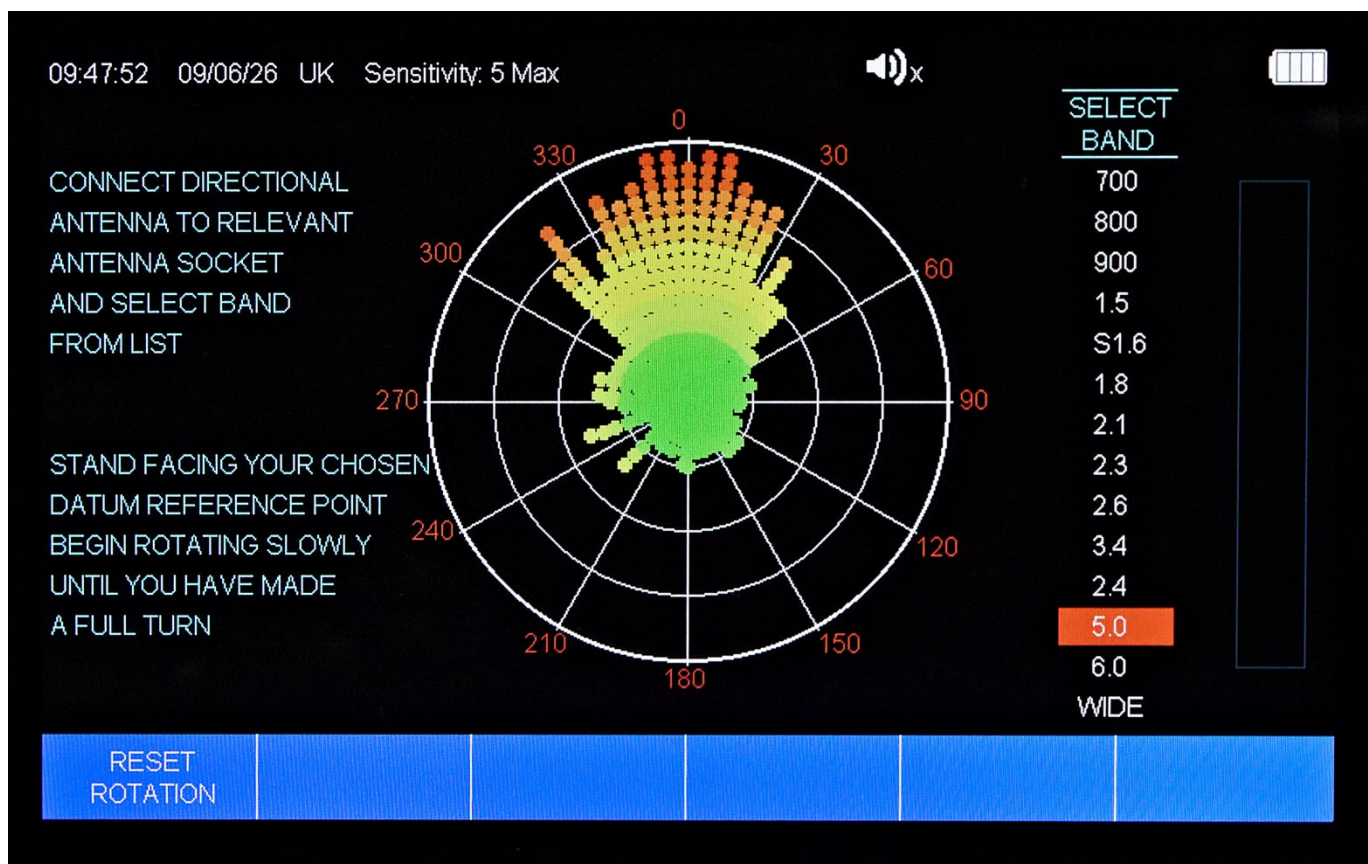
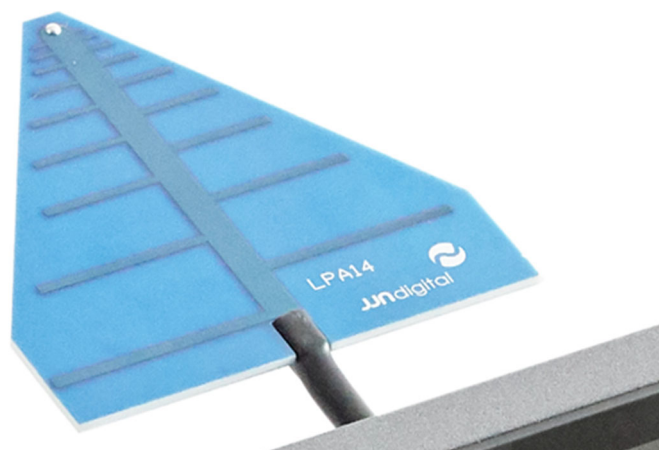
09:26:45	09/06/26	UK			
Date	Time	BT MAC Add	Manuf/Type	Strength	Packets
09:06:26	09:26:42	5C512CBB7BD5		-68	01
09:06:26	09:26:42	D8714D36CB13	GDB5-CB13",1	-67	01
09:06:26	09:26:42	7CD1D289CAFC		-74	01
09:06:26	09:26:42	6180116E4C9E		-54	01
09:06:26	09:26:42	435F041D728D		-64	01
09:06:26	09:26:42	DB590DA97FF0	Apple AirTag	-41	01
09:06:26	09:26:42	6C0B5EC71DC2		-88	01
09:06:26	09:26:42	5E1753D4A5C1		-89	01
09:06:26	09:26:42	5FCEB33195EE		-68	01
09:06:26	09:26:42	52106FE9ECBA		-66	01
09:06:26	09:26:42	5D2743267BFA		-63	01
09:06:26	09:26:42	648C3D0AC617		-84	01
09:06:26	09:26:42	DF7041303CB0	Apple	-63	01
09:06:26	09:26:42	4AED4CF1E58D		-71	01
09:06:26	09:26:42	DB4B40DEE03F	Apple	-67	01

Scanning for Bluetooth Devices. New scan in 4 seconds. Press OK on a Device to Hide

CLEAR LIST				ORDER: TIME	HIDDEN DEVICES
				PACKETS	

Direction Find Function:

The new direction find mode enables the user to locate the source of a detected RF signal by rotating the WAM-X25+ through 360 degrees using the supplied directional antenna. By slowly rotating the unit, signal strength information is gathered and plotted graphically over 360 degrees to give the user an accurate indication of the detected signal source.





A new keypad design means operation is simple and intuitive. All information is displayed on a high resolution colour 7-inch TFT screen that allows the user to simultaneously perform real time detection and to view events that have previously occurred. Each band has an individual 20 element signal strength meter enabling the precise source of a detected signal to be located with ease. An audible 'Beep' mode allows the user to monitor without looking at the display and a silent Vibrate mode can also be used for particularly sensitive areas.

Up to 10,000 events can be stored within the WAM-X25+ for viewing simultaneously as a list or graphically. For each detected signal (no matter how long or short) it will record the Time/Date, Duration, Band detected and Signal strength. This can be particularly useful in identifying the type of device that is being detected. For example: a string of regular

short bursts in one particular band may represent those from a GSM/GPS Tracking device. These could be clearly viewed in Graph Mode as lines of regular spacing representing the pulsing nature of the transmission. Also by looking at call activity at certain times of the day may help identify unauthorised phone use in sensitive areas such as prisons, company board rooms, exam halls, etc. The entire event log can also be downloaded to a USB stick for storage or transfer to a computer where it can be viewed/sorted for analysis or reporting.

The WAM-X25+ is designed and manufactured in the UK to the highest specification and is enclosed in 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 compact heavy-duty military standard carry case for ultimate protection.



SUPPLIED IN PACKAGE

WAM-X25+ - Main Unit

Adjustable hinged antenna x 2 & LF Antenna 0 to 800MHz

Directional Antenna LPA-14-SMA (Blue)

5V USB-C Charger-110V to 240V AC input (Auto Switching) with International Adaptors

Earphones

USB Memory Stick

High Protection Military Standard Carry Case

TECHNICAL SPECIFICATION

Typical Performance Characteristics - at 20 degrees C

Wideband Frequency Range	10MHz – 14000MHz (14.0GHz)
Cellular Regions covered	UK, EUROPE, ASIA, AFRICA, NORTH AMERICA, SOUTH AMERICA, AUSTRALIA
Cellular Frequency Range	International bands - (300 MHz to 6 GHz) – Maximum 10 viewable bands - Sensitivity -70 dBm Max
Satellite Phone Band	L-Band - 1.6GHz
2.4, 5 & 6 GHz Frequency Range	2400 to 2485MHz & 4900 to 5950MHz, 5925 to 7125 MHz
Wi-Fi Analyser	802.11a/b/g/n: 2.4 GHz and 5 GHz
Bluetooth Analyser	BLE 5.1 up to BLE 6.0 devices & backwards down to BLE 4.0
Display	TFT Colour 7.0" High Contrast Graphic Display
Battery	Internal Lithium-Polymer rechargeable - up to 6 hours operation
Charging	USB-C socket - Charge Time ~ 4 hours
Operating Temperature Range	-15 to +50 degrees C - Relative Humidity < 90%
Dimensions	230 mm x 150 mm x 28 mm
Weight	Main Unit – 1.0 kg Carry Case Complete – 2.7 Kg
Signal Processing and Control	RISC Based Microcontroller with real time clock
Event Log	Maximum 10000 Events
USB Socket	For USB Stick download only



MADE IN ENGLAND

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