

Multi use RF Bug Detector

SF008



This device is a VERSATILE RF signal detector which can detect all the wireless (RF Radio Frequency) devices during 50 MHz ~ 6.0GHz, including GSM phone, 3G / 4G smartphone, standby registration signal, WiFi, wireless bug (hidden microphone), wireless analog & digital cameras, IP camera, signal jammers and, new bug and new spy camera remote controlled by cellphone.

Features:

- Can detect all the wireless bugs during 50 MHz ~ 6.0 GHz. other audio receivers cover up to 900 MHz only.
- Power-On self-test ensures all functions in normal condition.
- Clear LED indications of setting signal type & battery status
- 3 Warning modes
- Auto indications of detected signal type
- Support power bank for long time use
- Standby / Idle 4G smartphone detection

Specification * specification may change without prior notice.

Detecting range	50 MHz ~ 6.0 GHz	
Dimension	L 11.6 x W 7 x T 3.3 cm (not include antenna)	
Weight	About 170g (not include battery)	
Power	1. 5V DC switching power adaptor 2. AAA / UM-4 rechargeable battery or dry battery x 4	
Warning mode	1. LED indication 3. Acoustic display 5. Earphone silent detection	2. Beep alarm sound 4. Vibration
Sensitivity Tuner	1. Adjust detecting distance to find signal source 2. Eliminate the environment interference	
Detecting Distance	Wireless bug (2mW)	up to 25 feet (beep) up to 15 feet (acoustic)
	10mW 2.4GHz Wireless camera	up to 15 feet
	10mW 5.8GHz Wireless camera	up to 4 feet
	GSM Cell phone	up to 50 feet
	Smartphone	up to 13 feet
	3G 2100 cell network	up to 3 feet

* The detecting distance of wireless (RF radio frequency) device will be varied depending on its output signal strength.



FEATURES

- Detects both Digital & Analogue Signals
- Ultra Wide Frequency response 7200MHz (7.2GHz)
- Built in Frequency Counter (0 to 2560 MHz)
- Intelligent 'Digital' or 'Analogue' Indicator to determine signal type
- Digital 'Burst' Signal Detect for Burst/GSM/3G/GPS Devices
- 10 Segment Signal Strength Meter
- Ultra High Sensitivity to locate even the weakest signals
- Backlit LCD Display for use in all conditions
- Audio Demodulation
- Silent Vibrate & Beep Modes for Signal Strength
- Internal Li-Ion Battery Pack and Mains Charger

TECHNICAL SPECIFICATIONS

Typical Performance Characteristics - at 20 degrees C

ANTENNA INPUT

Connector	MCX Socket - 50 Ohm
Input Frequency Range	1MHz – 7200MHz (7.2GHz)
Sensitivity 100MHz	-47dBm
200MHz	-47dBm
500MHz	-46dBm
1GHz	-41dBm
2GHz	-29dBm
5GHz	-8dBm
7.2GHz	-3dBm
Demodulation Sensitivity for 50mW Audio	-30dBm (measured at 500MHz 50% AM 1kHz)
Frequency Response	400Hz – 5kHz +/-2dB

INSTRUMENT DISPLAY

Type	LCD STN Backlit
RF Signal Strength	10 element bargraph
RF Carrier Frequency	2560.0MHz (2.56GHz) maximum

INTERNAL AUDIO AMPLIFIER

Output Power	0.25W
Frequency Response	300Hz – 15kHz +/-1dB
Headphone Connector	3.5mm Jack

MISCELLANEOUS

Internal Battery	7.2V 650 mAH Li-Ion rechargeable
Operating Duration	8 hours
Fully charged battery	
Charge Time – using supplied charger	3 hours maximum
Operating Temperature Range	-10 – +50 degrees C
Relative Humidity	< 90%
Dimensions	114mm x 69mm x 25mm
Weight	245 g
Signal Processing and Control	RISC Based Microcontroller