PACKAGE CONTENTS

1.	Multi use RF-3G-4G Bug Detector	**2.**	Switching power adaptor x 1
3.	Earphone x 1	**4.**	NiMH batteries x 4 (optional)
5.	USB-Mini USB cable x 1	**6.**	Lens Finder x 1

⚠ NOTICE OF USE

1. If you are not going to use this device for a long time, remove the batteries to avoid damage caused by corrosion from battery leakage.
2. Unauthorized repair or disassembly of this device will void all the warranties.
3. Avoid water.
4. Do not store this device in an excessively hot place.
5. Avoid knocks or dropping this device.
6. Never use the antenna of this device to touch a metal surface or the antenna of signal emission source. The quality warranty does not include the damage caused

WARNING

Use this device as an auxiliary, supplemental help or aid to prevent the risks caused by hidden camera, cellular phone or other wireless devices. This device does not take the place of all the supervisions. Performance of this Radio frequency (RF) product will be affected by the circumstance of use. The producer and marketing group accepts no liability for any loss or damage by malfunction or misuse.

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DSIMULTIGENJLW

Audio Receiver
Noise Generator

Multi use RF-3G-4G Bug Detector

GSM/3G/4G/5G(3300~3700 MHz) detection

- **Audio Receiver of FM Wireless RF Bug**
- **Anti recording – 85 dB Noise Generator**
- **Lens Finder for Wireless & Wired Camera**
- **3G 2100 - Expert Detection Ability**

User's Manual

Thank you for purchasing this Hi-tech device. Please first read over this manual for proper use, save this manual and keep it handy.

● INSTALL BATTERY & SWITCH ON

Battery compartment is located in the rear side. Remove the battery cover, install AAA / UM-4 battery x 4 according to the **+ –** indication, then put on the battery cover. This device is **available both dry battery and rechargeable battery**.

Note: Never connect the battery charger or external power bank when to use dry battery inside.

The power switch is located in the center of right side. Set at 1 to switch on, set at 0 to switch off.

● POWER-ON SELF-TEST

All the LEDs of this device will be lit up every time this device is switched on. Then the 8 Signal strength indication LEDs will be put out one-by-one.

● 8-LED SIGNAL STRENGTH INDICATION

The 8-LED bar will light up according to the signal strength from low to high, green → yellow → red, higher signal, more LED.

● FOUR KINDS OF DETECTION MODES

The upper button in left side of front view has function for **mode shift**.

1	Normal mode	After power-on self test, this device will enter Normal mode.
2	3G 2100 detection	Special for detecting bug, hidden camera and GPS tracker applies with 3G 2100 technology
3	Scan audio signal	Detect and find FM bug (hidden microphone)
4	Generate noise	Interrupt any forms of audio recording, including analog, digital and cellphone, etc.

● SMART INDICATION OF ALL STATUS

No.	ITEM	DESCRIPTION
1	Power	Switch on
2	Beep-Vibra	Beep sound and Vibration warning mode (manual shift)
3	Acoustic	Display FM audio signal from wireless RF bug
4	Noise Gen.	Noise generator (Audio jammer)
5	CAM / Bug / LTE	Analog and Spread spectrum signal of Camera, bug and cellphone (2G,4G,**5G**)
6	WiFi / Audio	Signal of WiFi and IP camera / Audio signal
7	Battery low	Battery power running down
8	Charging	Status of battery charging

● 2 WARNING MODES

Default setting of warning mode is **beep**. Press the **LOWER button** in left side of front view of this device, warning mode will shift between Beep and Vibration.

● ABOUT BATTERY

1. When the Battery Low LED lights up, it means the battery runs down. If use with rechargeable battery, connect the switching power adaptor to continue the detecting and to recharge the battery at the same time. If use with dry battery, replace new batteries.
2. When the battery runs down, If the switch is kept at "on" and do not connect with power adaptor, the battery will be over discharged and will damage the battery. Please set the on/off Switch at "off" and connect the power adaptor to charge this unit, it will take about 6 hours to full charge.
3. Battery will be over charged if you keep on charging it without using that will also damage battery. The producer and seller accept no liability for the damage caused by the over discharge or charge.
4. If you are not going to use this device for a long time, remove the batteries to avoid the battery leakage damaging the circuit board.

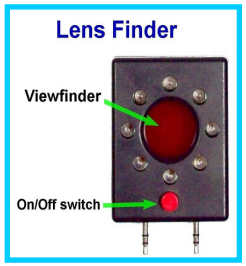
SPECIFICATION

* Specification may change without notice.

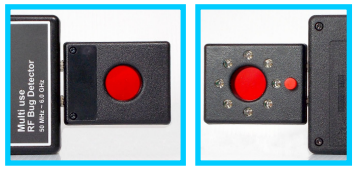
Detecting range	50 MHz ~ 6.0 GHz	
Dimension	L 11.6 x W 7 x T 4.3 cm (not include antenna)	
Weight	About 175g (not include battery)	
Power	1. 5V DC switching power adaptor 2. AAA / UM-4 NiMH battery or dry battery x 4	
Warning mode	1. LED indication 2. Beep alarm sound **3. Audio receiver** 4. Vibration 5. Earphone silent detection	
Sensitivity tuner	1. Adjust detecting distance to find signal source 2. Eliminate the environment interference	
Detecting range of Analog Hidden microphone (bug)	1. 89 - 90 MHz 2. 139 - 140 MHz 3. 399 - 402 MHz 4. 433 - 435 MHz	
Noise generator Volume	85 dB (at 15 cm, half feet) Maximum	
Detecting distance	Wireless bug (2mW)	up to 7 meters (beep) up to 20 meters (acoustic)
	100mW 2.4GHz Wireless camera	up to 5.4 meters
	10mW 5.8GHz Wireless camera	up to 1.2 meters
	GSM Cell phone	up to 4 meters
	Smartphone (4G,**5G:3300~3700MHz**)	up to 4 meters
	3G 2100 cell network	up to 7 meters

* The detecting distance will be varied depending on the signal strength.

● LENS FINDER Exposing All Camera Lenses



1. Attach the Lens finder on this device by inserting the plugs into the 2 sockets in the bottom side, facing the 8 ultra-bright lights to front side. **Note**: The Lens finder will not work if insertion with wrong side.
2. Press down the On / Off switch of Lens finder, the 8 ultra-bright lights start blinking. Point the light beam towards the suspected area and scan slowly to check the reflection of illuminated light.
3. Look through the Viewfinder, it is more easily to identify the camera lens. This lens finder also can uncover a hidden wireless camera even the camera is turned off.



● STANDBY / IDLE PHONE REGISTRATION DETECTION

This device can detect the standby / idle phone, especially smartphone, when it does registration / communication with the cell site. The interval time and number of times of registration / communication is varied among different networks and cell phones.

● Efficient Identify WiFi Hidden Camera

New hidden camera applies WiFi technology with smartphone app. The camera will stay idle and start sending signal when the owner activates the app to watch.

The WiFi indication (Blue LED) will blink faster to identify the activities of WiFi hidden camera to warn that someone is watching you.

● SUPPORT POWER BANK FOR LONG TIME USE

This device has a mini USB port in right bottom side for connecting with Power bank to continue the scan job when the battery power is exhausted.

■ **NOTICE 1:** Never connect with computer or notebook, their USB does not supply enough power for this device.

■ **NOTICE 2:** When to use power bank, this device should be installed with rechargeable battery, neither empty nor dry battery.

● AUTO INDICATE SIGNAL TYPE

Under **NORMAL** mode, this device will indicate detected signal automatically.

1. CAM / BUG / LTE : Wireless camera, wireless bug, signal jammer and 2G / 3G / 4G / **5G(3300~3700MHz)** cell phones, etc.

2. WiFi / Audio: **WiFi** WiFi, IP camera, wireless digital camera, etc.

Audio Under **ACOUSTIC** mode, blue LED will light up for audio signal.

● Expert 3G 2100 DETECTION

1. In normal mode, press once the UPPER button in left side, this device will shift to **3G 2100 detection mode**, the yellow and blue LEDs will light up.
2. If the 8-LED signal strength indication light up and beep / vibration go off, turn the Sensitivity Tuner to - (minus) side to decrease the sensitivity until none of the 8-LED lights up.
3. This mode is mainly for 3G 2100 detection. However, if there is other strong signal around, this device should detect it.
4. To leave 3G 2100 detection mode, re-set the power switch, this device will stay in Normal mode after power-on self test.

● BATTERY & CHARGING STATUS

1. Battery Low : When batteries run down, the Battery Low LED will light up in red. Please charge or replace the batteries.

2. Charging: Indicate the status of battery charging. When starts charging, This indication lights up in red as quick charging, when charging to about 70%, it will change to slow charging, this indication will shift to green.

● SENSITIVITY (DISTANCE) & VOLUME TUNER

This device has two tuners for user to adjust sensitivity (SENS.) and volume (VOL.).

1. **SENS.**: Adjust the detecting distance and eliminate environment noise. But in Acoustic mode, this tuner is tuning for signal in better receiving.
2. **VOL.**: Volume adjustment of beep, audio signal and noise generator.

● AUDIO RECEIVER ●

1. In Normal mode, press **twice** the UPPER button in left side, this device will shift to **Acoustic** mode and the yellow LED will light up. Meanwhile, this device starts to demodulate the FM audio signal from wireless RF bug (hidden microphone) and display through built-in speaker or earphone.
2. This device also can demodulate the radio station signal. However, it is easy for you to distinguish if it is radio station program.
3. Press once the LOWER button in the left side, this device will **SCAN** and **shift to the next** FM audio signal automatically.
4. When approach to the signal source of wireless RF bug about 4 meters, the high sensitivity of this device will cause **feedback noise** of Zizizi. Turn the volume tuner to minus (-) to reduce the noise, or connect the earphone to avoid the interference with feedback noise.

● NOISE GENERATOR (85dB AUDIO JAMMER) ●

1. In Normal mode, press **three times** the UPPER button in left side, this device will shift to **Noise Gen.** mode and the red LED will light up. Meanwhile, this device starts to generate audible white noise to protect conversation areas from eavesdropping.
2. This device **can interrupt any forms of voice recording**, so as wireless and wired microphones, tape recorders, digital recorder and mobile phones.
3. Turn the volume tuner to set the volume level as you need.

● SEMI DIRECTIONAL ANTENNA

This device has feature of semi directional. When reducing the sensitivity to approaching the signal source, the **scan angle** is also changing from wide to narrow, 120 degree → 90 degree … 45 degree. This feature is very helpful in locating the signal source.

HOW TO OPERATE

1. Pull out the antenna and turn on this device. This device will do **power-on self-test**. After the power-on actions are completed, this device will remain the Power and Beep LED lit up.

2. If more than one strength indication 8-LED lights up and beeps go off (vibrate), it means that there is RF (wireless) device operating around.
3. Refer to the chapter of "**How to find (locate) the signal source**" to find the position of signal source.
4. Press once the LOWER button in left side of front view, the warning mode will shift between beep and vibrate cyclically.
5. To detect without other's awareness, set the warning mode at Vibration or connect with earphone for silent detection.
6. To detect and locate **3G 2100 bug and hidden camera**, refer to the chapter of "**Expert 3G 2100 detection**".
7. To scan and hear **Wireless RF audio bug**, refer to the chapter of "**Audio Receiver**".
8. To prevent voice recording, refer to the chapter of "**Noise Generator**".
9. If you have any problem or question in operation, please call / write to the distributor who you bought this device.

● HOW TO FIND (LOCATE) THE SIGNAL SOURCE

1. Set the warning mode at Beep or connect earphone to find (locate) the signal source. Vibration is not suitable for finding the signal source.
2. Correct holding way of this device is the front side (with LED and speaker) facing to user and keep the antenna in upward.
3. Hold this device to scan half around to detect the signal. Forward one footstep to the strongest signal direction. When the 8-LED signal strength indication all light up and the scan range (angle) over 120 degree, **turn sensitivity tuner to minus (-) to reduce the sensitivity** until the 8-LED signal strength indication reduce to 3 or 4 LEDs, the scan angle will become smaller.
4. Hold this device to scan half around and forward one footstep to the strongest signal direction.
5. Repeat above step 3 and 4, should be able to approach and then get the signal source. If lose the signal during locating the position of signal source, turn the sensitivity tuner to plus (+) to increase the sensitivity slowly until get the signal again to continue the detection.