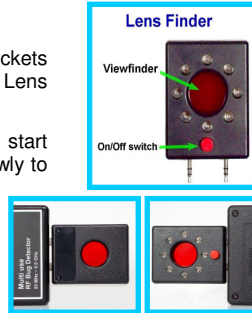


● Expert 3G 2100 DETECTION

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.

● 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.



SPECIFICATION * Specification may change without 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 NiMH battery or dry battery x 4	
Warning mode	1. LED indication 2. Beep alarm sound 3. Acoustic display 4. Vibration 5. Earphone silent detection	
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)
	100mW 2.4GHz Wireless camera	up to 15 feet
	10mW 5.8GHz Wireless camera	up to 4 feet
	GSM cell phone	up to 13 feet
	Smartphone (4G,5G:3300~3700MHz)	up to 13 feet
	3G 2100 cell network	up to 25 feet

PACKAGE CONTENTS

1.	Multi use RF 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

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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Made in Taiwan 10.2021



DSIMULTIRF7LW

Multi use RF Bug Detector

with Acoustic identification + Lens Finder

+ Expert 3G 2100 Detection

+ Identify WiFi hidden camera

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. Unauthorized repair or disassembly of this device will void all the warranty.



No.	ITEM	DESCRIPTION
1	Power	Switch on
2	Vibration	Vibration warning mode (manual shift)
3	Beep	Beep sound warning mode (Default)
4	Acoustic	Identification for audio signal (manual shift)
5	CAM / Bug / LTE	Analog and Spread spectrum signal of Camera, bug and cellphone
6	WiFi	Digital signal of WiFi and IP camera
7	Battery low	Battery power running down
8	Charging	Status of battery charging

● **INSTALL BATTERY:** 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.

● **SWITCH ON:** 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. Other LEDs will also put out, only remaining Power and Beep two LEDs. This is self-test of all functions.

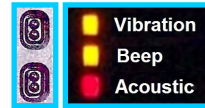
● 8-LED SIGNAL STRENGTH INDICATION

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



● 2 WARNING MODES

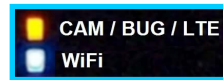
Default setting of warning mode is **beep**. Press the **LOWER button** in left side of front view of this device, warning mode will shift between Beep and Vibration.



● AUTO INDICATE SIGNAL TYPE

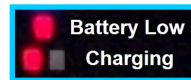
This device will indicate detected signal automatically.

1. **CAM / BUG / LTE** : Analog and Spread spectrum signals of wireless camera, wireless bug, signal jammer and 2G / 3G / 4G / **5G(3300~3700MHz)** cell phones, etc..
2. **WiFi**: Digital signals of WiFi, IP camera, wireless digital camera, etc.



● BATTERY & CHARGING STATUS

1. **Battery Low** : When turn on this device, if Battery Low LED lights up in red, it means the batteries run down. 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 and audio signal.



● 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.
- **2.** Remove the DRY battery inside before connecting with power bank or battery charger.



HOW TO OPERATE

1. Pull out the antenna and turn on this device. This device will do power-on self-test and then remain the Power and Beep LED lit up. Refer to the section of "2 WARNING MODE" to set your preferred warning mode.

2. If more than one strength indication 8-LED lights up and beeps go off (vibrate), it means the detection threshold is too sensitive. Turn the Sensitivity Tuner to - (minus) side to decrease the sensitivity until none of the 8-LED lights up.
3. The 8-LED will light up from low to high indicating the strength of detected signal. Meanwhile, the beep (vibration) will go off.
4. Set the Warning mode to Acoustic to check if the signal source is hidden transmitter (bug). This device can identify whether the signal is audio signal or not.
 - **Note:** Under Acoustic warning mode, louder volume will cause feedback or noise. The 8-LED will remain only one LED and shuttle to-and-fro. Set the LED at place of **4th ~ 8th LED** for signal in better receiving by tuning the sensitivity tuner.
5. To detect without other's awareness, set the warning mode at Vibration or connect with earphone for silent detection.

● HOW TO FIND (LOCATE) THE SIGNAL SOURCE

1. Set the warning mode at Beep to find (locate) the signal source. Other warning modes Acoustic or Vibration are 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. When detecting the signal, hold this device to scan half around. Forward one footstep to the strongest signal direction.
4. Turn sensitivity tuner to minus (-) to reduce the sensitivity until 3 or 4 LEDs light up. Hold this device to scan half around and forward one footstep to the strongest signal direction.
5. Repeat above steps, you can approach to and then get the signal source.

● ABOUT ACOUSTIC DISPLAY

1. In Normal mode, **press twice the UPPER button** in left side, this device will shift to **Acoustic** mode, and the red LED will light up.
2. The acoustic display will be affected by the environment noise in neighbor frequencies. If those noises are stronger than the acoustic signal strength, the hissing will be louder than the acoustic display.
3. Under Acoustic display function, it is not able to find (locate) the signal source. Set the warning mode at Beep for locating the signal source more easily.

● 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.

● 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 to identify the activities of WiFi hidden camera to warn that someone is watching you.