Polarity tester “BugHunter Professional”

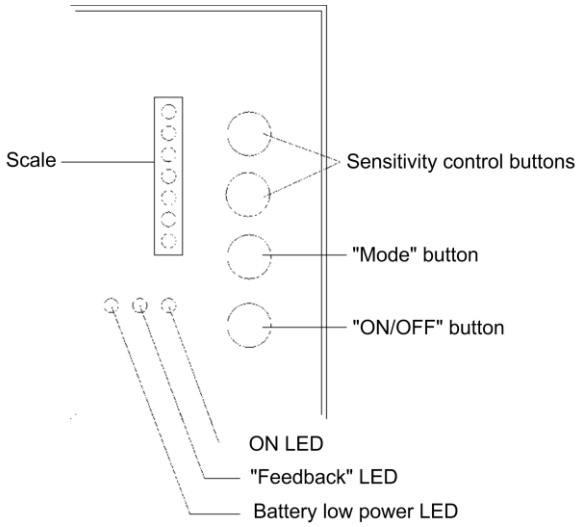
"BugHunter Professional" is designed for detecting and monitoring of transmitters in the near field (bugs, wireless microphones, hidden wireless cameras, radios), as well as working cell phones corresponding standards GSM, DAMPS, AMPS, DECT.

Specifications:
Frequency Range ... ... 50-3000 MHz
Sensitivity at least ... ... 50 mV / m
Dynamic range, no less than ... . .45 dB
Modes of operation BH: **search, security, feedback**.
Detection range in passive mode, at least:
5 mW transmitter ... ... 5 m
Cell Phone ... ... 50 m
Dimensions ... ... 105h58h18, 5 mm

Advantages of detector "BugHunter Professional":

1. Exact fit to stated parameters.
2. Covers all possible range of bugs activity from 50 to 3000 MHz.
3. Equally well receives frequency range from 50 to 3000 MHz. Unique!
4. Possesses the highest sensitivity!
5. Extended dynamic range.
6. Detection of both analog and digital bugs (short pulse)!
7. Automatic adjustment for background levels of radiation.
8. Extended temperature operation.
9. Developed in Russia using high quality European parts.
10. Possible headphones connection, hidden warning.
11. Three operation modes: search, security and feedback.
12. Advanced power saving features. Increased work duration.
13. Indicator brightness can be adjusted.
14. Battery power display.
15. Optional external antenna.
16. Auto-diagnosis.
17. Possible headphones connection.

Controls:



Using the device:

1. Turn on/off the device by holding (at least 3 sec.) «POWER» button: when you turn on the device will run a self-test, a sound beeps, all the LEDs light up, then the LED «BAT» lights up, signaling that the device is turned on. The tester runs a self-test.

2. Operation Modes can be switched by «MODE» button:
2.1 Indicator «PWR» steady on – the device runs search mode of DC signal (analog).
2.2 Indicator «PWR» blinks – the device runs search mode of pulse (digital) transmitters: digital listening devices, cell phones.

2.3 Indicator «PWR» flashes every 3 seconds. – Security mode. Makes possible keeping the device in optimal sensitivity mode and save quiet al lot of battery life.

3. Sound modes can be switched by «MODE» button (hold button for at least 3 seconds):
3.1 Flashing LED "AC" – the device runs security audible signal mode. The frequency and the frequency of sound signals depend on signal strength.
3.2 Steady "AC" light - feedback mode - reveals wireless microphones up to 0.5 m distance.
3.3 "AC" indicator is off – audio message is disabled.

4. Additional functions:
4.1 Short press of «POWER» button displays battery level for a short period of time on charge indicator.
4.2 Long-press (not less than 3 seconds) of «ABOVE» button allows the device to adapt to the current background radiation of the room.
4.3 Long-press (not less than 3 seconds) of «BELOW» button reduces the device sensitivity level to minimum.

5. In **"Search"** mode by using the sensitivity control buttons (controlling current level of sensitivity on indicator from 1 to 10) the minimum indication scale is set, the room is can be tested by going around it. Increasing scale values back to the maximum, please, re-adjust the sensitivity. This way you can detect the hidden transmitter in the "Search" mode.

6. If any unknown local maximum radiation is evident, the tester can be set up into "Feedback" mode. If the dynamics produce a characteristic whistle, it means that the wireless microphone (bug) is in function.

7. The device should be set up into **"Security"** mode if there is no unknown radiation in the room. While setting up "Security" mode the device adjusts to local radiation level for some time (about 30 sec.), the indicator «PWR» flashes. After setting up the device switches to guard mode - LED «PWR» flashes every 3 seconds.
When any unknown radiation appears the device will indicate it continually with a whistling sound, when it disappears the device will turn back on the guard mode.

6. Batteries (2 batteries AAA) should be installed in the compartment in accordance with the polarity.
WARNING! The improper installation of the battery can cause damage of the BH.
When the battery LED "BATT" flashes, the battery should be replaced.

Features of "BugHunter Professional" polarity tester:

- High sensitivity.
- A wide band of frequencies.
- Wide dynamic range.
- Ability to adjust current radiation level.
- Auto-guard energy saving mode.
- Headphones connection option.
- Mode "Feedback".
- An external antenna.
- Identification of short pulses.
- Increased long life.
- Indicator brightness adjustment depending on the battery state of charge.
- Wide supplied voltage range (can use battery), thanks to voltage converter can operate using 1.8-5V
- Indication of battery discharge.
- Self-Test mode.

Method of bugs and hidden wireless camera identification.

In "Search" mode it is recommended to adjust the sensitivity of the device and go round the room or tested vehicle. The detector should run over any places where bugs installation is possible.

Possible location of eavesdropping and spying devices: baseboard cavities and crevices, walls, behind the radiators, remote shelves places, ledges, ceiling cavities, ventilation shafts, pieces of furniture, household items, flowers, etc.

In case of radio transmission the device will display it on light scale and with audible signal. The closer you are to the radiation source, more scale light you get on the device.

It is recommended to perform both conventional analog and digital bugs search (two different search modes).

"Security" mode. In cases when you need permanent control of the situation set up the device in this mode. For example, during the negotiations. The device continually scans the surrounding space. If any bug or cellular phone is activated for covert communication, the device will reveal that.

"Feedback" mode. This mode is used for searching microphones (bugs) operating in analog mode. The device catches the detector sound, sends it over the radio, the radio catches the detector and then reproduces it in form of a sound. The cycle is closed and turns into a "whistle".

Feedback mode provides the most certain bug place location using "whistling". This reduces search time.