

DELIVERY SET

- **SPYSONIC HANDBAG+** jammer – 1 pcs.
- AA alkaline batteries – 8 pcs (not included if shipped by air).
- User's manual – 1 pcs.
- Package 19.5 x 16 x 9.5 cm – 1 pcs

TECHNICAL DATA

Characteristic	Min	Typ	Max	Units
Supply voltage of jammer	6.5	12	12	V
Battery Type	8 x AA alkaline			
Supply current in jamming mode	–	0.6	0.8	A
Frequency range of interference (2 bands)	24.4	25.0	25.6	kHz
	17.5	18.0	18.5	kHz
Battery level control	Yes			
Overload and reverse polarity protection	Yes			
Time of continuous operation with a new set of AA alkaline batteries	–	4-5	–	hours
Total time with a set of AA alkaline batteries, when used intermittently	–	5-6	–	hours
Dimensions	15.5 x 11.5 x 7.7			cm
Weight with batteries	490			g
Operating temperature	-20	–	+50	°C

Data in **Typ** column is at 20°C and 12V.

GUARANTEE AND SALE MARKS

Manufacture guarantee for faultless work of the electronics within 3 years since the date of sale.

SELLER _____ DATE OF SALE _____

www.spysonic.ru

SPYSONIC HANDBAG+

2nd GENERATION DUAL BAND PORTABLE ULTRASONIC JAMMER

USER'S MANUAL

GENERAL DESCRIPTION



SPYSONIC HANDBAG+ is a portable version of 2nd generation dual band ultrasonic jammer of audio recorders with 2 working modes: **ULTRASOUND** & **ULTRANOISE**. The jammer is disguised as a camera case, dimensions 15.5 x 11.5 x 7.7 cm, weight with batteries is 490 g. Number of ultrasonic transmitters: 6+1. The jammer is powered by 8 x AA alkaline batteries that can last up to 5 hours.

Ultrasonic jammer of audio recorders (recorders blocker, jammer of wired microphones, suppressor of audio recorders in mobile phones) is an ultrasound generator that affects microphones and preamplifiers of various recording devices.

2nd generation dual band jammers exceed 1st generation jammers not only in jamming distance, but in the number of types of devices suppressed. Please note, that even 2nd generation jammers does not provide 100% of suppression. See "APPROXIMATE DISTANCES OF SUPPRESSION".

ULTRANOISE & ULTRASOUND

Operating modes **ULTRANOISE** and **ULTRASOUND** are 2 different algorithms of formation of ultrasonic noise.

COMMON IN ULTRANOISE AND ULTRASOUND MODES

Ultrasonic carrier is modulated by noise signal of audible range. In sound recorder microphone this modulated signal turns into loud noise which covers all other sounds. In the 2nd generation jammers, 2 ultrasonic frequencies are used, which significantly expands the number of types of recording devices suppressed.

DIFFERENCES IN ULTRANOISE AND ULTRASOUND

The main difference is the modulation depth of the ultrasonic carrier. Ultranoise mode has maximum depth of modulation, which provides maximum suppression, but the signal of the jammer is heard by the human ear as a sound resembling the background AC sound of unattached loudspeaker. In Ultrasound mode the jammer is almost silent, but the radius of suppression decreases approximately 1.3 times.

CONTROLS AND INDICATORS



Inside the bag there are battery holders, red power button combined with LED on/off indicator and green Ultranoise/Ultrasound switch button.

USAGE

To activate the device, just install the batteries observing polarity and press the red button. It is necessary to point the jammer toward possible location of sound recording device.

When used in a vehicle, you may place the jammer on the dashboard, with transducers directed upwards, into the windshield. In this case reflected ultrasound is used.

SWITCHING JAMMING MODES

In **ULTRANOISE** mode the sound of the jammer is perceived by the human ear as a light crackling. If you want the suppressor to work as quietly as possible, you should enable silent mode **ULTRASOUND** by pressing the green button.

SUPPLY VOLTAGE CONTROL

If supply voltage falls below 7.0 volts, the power indicator flashes. If the voltage drops below 6.5 volts, the device goes into sleep mode. In case of a short circuit or reverse polarity, **SPYSONIC** has built-in protection.

CONDITIONS OF EXPLOITATION

SPYSONIC Handbag can be used over a wide temperature range (-20°C ... + 50°C) with humidity up to 95%. Operating in direct exposure to rain or snow is not allowed.

APPROXIMATE DISTANCES OF SUPPRESSION

Efficiency of suppression is not the same for different devices.

For iPhones (4 & 5) and most Chinese transmitters (bugs) jamming distance is more than 6 meters. For iPhone 6 the distance is 0.5 – 2 meters and depends on series of iPhone 6. For video cameras, microphones in headsets and laptops, suppression distance is in the range 1.5 - 4 meters. For some smart phones the distance of suppression may not exceed 0.5 meters.

In Ultrasound mode the radius of suppression decreases approximately 1.3 – 1.5 times.