

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 10 meters. For camcorders the distance is about 3 - 4 meters. For some Samsung phones the distance of suppression may not exceed 1 meter.

In combi mode the audio suppression is possible at any distance with any recorder, providing that the level of acoustic noise slightly exceeds the level of the speech.

TECHNICAL DATA

Characteristic	Min	Typ	Max	Units
Supply voltage of jammer	180	220	240	V
Frequency range of sound interference	400	–	18000	Hz
Frequency range of ultrasound interference	24.4	25.0	25.6	kHz
Volume adjustment of sound interference	Continuous			
Power of ultrasound interference	Constant, 16 transmitters			
Температурный диапазон	-20	–	+50	°C

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 XL COMBI

HIGH POWER ULTRASOUND + SOUND JAMMER OF RECORDING DEVICES

USER'S MANUAL

GENERAL DESCRIPTION



SPYSONIC DESKTOP XL COMBI - is high-power 2-mode (ultrasound + sound) desktop version of ultrasound jammer of audio recorders with **ULTRANOISE** technology. The jammer is disguised as desktop speaker. Speaker dimensions (cm) 25x15x18. Number of ultrasound transmitters: 16.

2-mode ultrasound jammer of audio recorders (jammer of audio transmitters, jammer of wired microphones, suppressor of audio recorders in mobile phones) is sound and ultrasound noise generators combined in one case. Ultrasound interference is slightly audible and good at suppression of wired microphones, voice recorders Edic, iPhones (models 4 and 5) and various bugs. Not all recorders and cellular phones are susceptible to ultrasound (probability of suppression by ultrasound is about 50%), that's why sound interference generator with floating spectrum is added to this model, increasing the efficiency of suppression up to 100%. It should however be borne in mind that the sound of the audio noise generator (unlike ultrasound generator) is quite audible and its use may not always be appropriate.

ULTRANOISE TECHNOLOGY

ULTRANOISE technology is 2 key points:

1. Ultrasound carrier is modulated by special noise signal of audio range. The result is a signal that is perceived by the human ear as a quiet sound like the background AC of an unattached speaker. However, in a microphone of sound recorder the sound turns into a loud noise that overrides all other sounds.
2. Very high efficiency of conversion of electrical energy into ultrasound. This allows one to create powerful and energy-effective device.

CONTROLS AND INDICATORS



On the side panel there are power button (POWER), volume control of audio interference (VOLUME) and tone controls (TREBLE) and (BASS).

On the rear panel of the jammer there are power cord and power indicator (red LED).

DELIVERY SET

- **SPYSONIC XL COMBI** jammer, desktop version – 1 pcs.
- User's manual – 1 pcs.

USAGE

To activate the device, connect the speaker to mains and press the POWER button on the side panel. Red LED on the back panel indicates the device is on.

Ultrasound suppressor starts working immediately after switching on.

To enable additional audio noise generator with floating spectrum (combined mode), set the volume of the sound generator by VOLUME control. Adjusting the tone of audio noise is made by TREBLE and BASS regulators.

ULTRASOUND JAMMER

To enable only ultrasound jammer, press POWER button on the side panel. VOLUME control must be set to the leftmost position. It is advisable to point the suppressor toward possible location of sound recording device.

COMBI MODE

To turn on the combined mode, turn on the device by POWER button and set the level and tone of the audio noise generator by VOLUME, TREBLE and BASS controls. Recommended position of the TREBLE control - at minimum, the BASS control - at maximum. To maximize the effectiveness of suppression, the volume of sound interference must correspond to the volume of speech. Volume and tone controls do not affect the ultrasound part of the jammer.

CONDITIONS OF EXPLOITATION

SPYSONIC DESCTOP 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.