EO-3 MAX

DISCREET SPEECH PROTECTOR

A speech protector that is both discreet and very efficient. The design of the EO-3 MAX Speech protector does not disrupt the meeting as it resembles a speaker. Despite looking like a speaker, it effectively protects you from having any information leaked.

A truly discreet EO-3 MAX Speech Protector in the form of a large speaker. Thanks to this ingenious camouflage, no one will ever suspect its true purpose and your meetings will remain undisturbed.

The EO-3 MAX speech protector has the largest effective range of all our speech protectors – it protects up to a distance of 7-50 meters (23 - 164 ft). It combines ultrasonic noise, which blocks all the microphone devices in the vicinity, together with acoustic noise. This combination provides the cutting-edge technology and the best possible protection against eavesdropping. Another advantage is the possibility to record your own voice, which the jammer then generates to overlap your conversation.

- Ultrasonic noise effectively protects against recording devices, but does not disrupt the course of the meeting.
- Ultrasonic noise reliably blocks microphone devices in a range up to 7 meters (23ft), protecting you against eavesdropping.
- The acoustic noise generator effectively overlaps your conversations so no one is able to eavesdrop with a stethoscope or a laser microphone.
- The speech protector can generate your own pre-recorded voice as acoustic noise.
- You can set different levels of intensity and modes of the interference.

The jammer completely overwhelms the microphones.

Combination of acoustic and ultrasonic noise provides the best protection against eavesdropping.

The jammer guarantee a safe and discreet meeting.

EO-3 MAX

Acoustic Noise

Acoustic noise is especially efficient against laser and stethoscope microphones. Thus, protecting you from being eavesdropped on through a window pane, through a wall or even by a third-party listening in from a distance. In contrast to ultrasonic noise, acoustic noise is audible. It works by overlapping your conversation by randomly generated words. You can even record your own voice to be used as an acoustic noise.

Features of Ultrasound

Ultrasonic noise protection is truly reliable as it protects against most of the listening devices and bugs. It efficiently blocks microphone devices in range up to 7 meters (23 ft), rendering all the recordings absolutely unusable. Microphones are the most common means of recording your conversation – they can be found in wiretaps, bugs but also in smartphones and even watches. Thanks to the created ultrasonic barrier, microphones will not be able to record your conversations. Its advantage is that it is inaudible to human ear so it does not disrupt your meetings and it is completely discreet.

Easy to Use

Acoustic noise is especially efficient against laser and stethoscope microphones. Thus, protecting you from being eavesdropped on through a window pane, through a wall or even by a third-party listening in from a distance. In contrast to ultrasonic noise, acoustic noise is audible. It works by overlapping your conversation by randomly generated words. You can even record your own voice to be used as an acoustic noise.

Instructions for Use

Place the EO-3 MAX where you expect to be eavesdropped and simply plug it in. Then, you can turn it on and adjust the intensity of ultrasonic noise. You can also switch between different modes. The speech protector looks like a regular speaker so, as an example, we advise it to place it in a corner of the room. Its range up to 7 meters (23 ft) will reliably protect you from information leakage due to being recorded.

- **A: Quiet ultrasound** – suppresses high-quality voice recorders.
- **B: Device off** - protection is off.
- **C: Ultrasound and quiet acoustic noise** - the main operating mode in which you can negotiate comfortably and be protected against all types of listening devices.
- **D: Ultrasound and loud acoustic noise** - the maximum protection mode used in case you need to fully protect the information at the cost of reducing your negotiating comfort.

If you wish to record your own voice to be used by the acoustic noise generator, simply press the volume control button for 5 seconds. After that, the LED light above the button starts to flash. While the LED is flashing, record any speech for at least 3 minutes. Then press the button again and the recording will stop and the LED will stop flashing. Now everything is ready.

- Digital and analog voice recorders.
- Voice recorders in mobile phones.
- Eavesdropping remotely through windows using laser microphones.
- Built-in and directional microphones.
- Eavesdropping via stethoscope.

Range

Acoustic noise
up to 30 meters*
Ultrasound
up to 5 meters*

Intensity of ultrasonic interference
59 × 128-132 dB

Output of acoustic interference
9W

Dimensions
19 cm × 113 cm × 19 cm

Jack
3,5 mm**

*Each device can have an individual range.

**An external speaker can be connected for better acoustic quality.

Safety information

Make sure that the supply voltage corresponds to the voltage specified in the documentation.

Please **comply with the following safety precautions:**

- Avoid contact with water and areas of high humidity at all times. The device should not be exposed to dripping and/or splashing water. When cleaning the device use dry materials only. Make sure to protect the equipment from rain.
- Do not use the device in areas with extreme temperatures. We recommend using it in an environment with temperature between 0° and 45°. Do not install the device near heat sources.
- Avoid contact with parts that conduct electricity. Please, do not remove the cover or casing of the device in any way to avoid the risk of electric shock.
- In case there is a ventilation opening on the device, make sure it does not get blocked.
- Use only accessories that were specified and supplied by the manufacturer.
- Make sure to not place the device on top of other electronic devices or place electronic equipment on top of the supplied device.
- Do not place the device close to your ears. It emits high frequency sounds that may damage your hearing. Prolonged use of the device at high volume may cause hearing damage. Use the device only when necessary and at the appropriate volume.
- Do not tamper with the power cord in any way. If the power cord is mechanically damaged, stop using the device immediately. Mechanically damaged cables, ruptured insulation or frayed cables pose a risk of electric shock and also risk of fire.
- If necessary, have the equipment serviced by qualified personnel and do not attempt to repair the device yourself.
- Be wary of open flame – the equipment is made of flammable materials. Never bring it close to an open fire.

The electrical plug must remain easily accessible in case of an emergency shutdown. Do not overload the sockets with the plugged device.

Important

When using the ultrasonic noise generator to overwhelm all microphones in the vicinity, certain limitations may arise due to the laws of physics. Some of the microphone designs may be more susceptible to be jammed than others. Therefore, the effectiveness may be different for each of the designs. The maximum effective range of the generator can therefore also vary by up to several times depending on the type of the microphone. Additionally, the generated ultrasonic noise can bounce off different surfaces and is unable to penetrate most materials to any greater depth. It is recommended to use a sufficient number of devices and then position them appropriately in the room to ensure the best possible protection of privacy during meetings.

For the best possible protection, we recommend using the acoustic noise function which allows you to record your own voice in your own language and overlap your conversation with it. The recorded voice is then randomly generated to create a sound barrier against eavesdropping via a stethoscope and laser microphones. Additionally, it protects against the most cutting-edge forensic cleaning technologies.

Although the device does not guarantee a 100% jamming effectiveness, it greatly outperforms competing solutions.
Due to its configuration, it can guarantee high effectiveness when used against microphones on devices such as dictaphones, wiretaps and seismic microphones, computer microphones, headsets, cameras and mobile phones.

Learn more:

+420 774 429 006
sales@eo-security.com