

SPECH PROTECTORS

EO SECURITY s.r.o.

ABOUT US

EO SECURITY s.r.o. is a Czech company founded in 2016 and has it's headquarters in Prague and Brno which specializes in developing and manufacturing advanced security products tailored to the specific requirements of clients. We proudly showcase our innovations annually at international trade shows such as ISS World, Intersec, Milipol and Eurosatory.

Our Speech Protectors and Jammers are designed to safeguard against eavesdropping and sensitive information leaks, ensuring the security and privacy of our clients communications and data.

PROUD MEMBERS OF THE ORGANISATIONS



DEFENCE AND SECURITY INDUSTRY ASSOCIATION OF THE CZECH REPUBLIC



ORGANISATION OF THE MINISTRY OF INDUSTRY AND TRADE



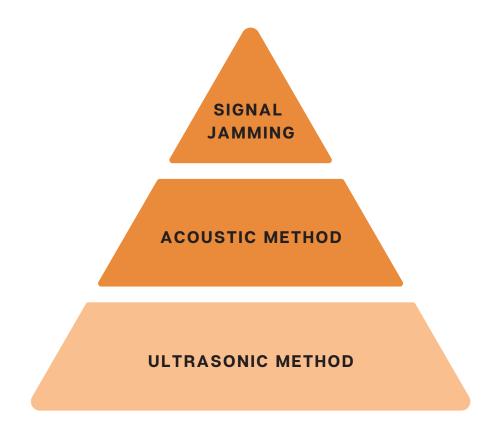
CZECH CHAMBER OF COMMERCE

MEET US IN PERSON AT SECURITY EVENTS AROUND THE WORLD

- ISS WORLD MEA
- ISS WORLD EUROPE
- ISS WORLD ASIA
- ISS WORLD LATIN AMERICA

- MILIPOL
- INTERSEC
- EUROSATORY
- FUTURE FORCES

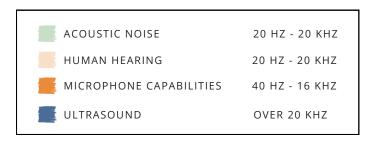
METHODS FOR PROTECTING AGAINST EAVESDROPPING

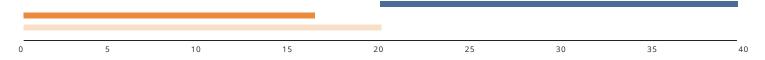


ULTRASONIC METHOD

COMPARISON OF THE LIMITS OF HUMAN HEARING, MICROPHONE CAPABILITIES

AND ULTRASOUND FREQUENCIES







SPEECH PROTECTORS & SIGNAL JAMMERS FOR SECURE MEETING ROOM

PRIME

360° OMNIDIRECTIONAL ULTRASOUND JAMMER & SPEECH PROTECTOR

The highly efficient PRIME Omnidirectional Speech Protector ensures your meetings remain secure and confidential. By combining ultrasonic and acoustic noise, it effectively eliminates the risk of eavesdropping during discussions.

Ultrasound Generator

- Operates in discreet, inaudible mode.
- Highly effective against digital recording devices and surveillance bugs.
- Recordings become unusable, producing only unintelligible noise.

Acoustic Noise Generator - Audible Protection

- Protects against stethoscope and laser microphones, even against advanced forensic cleaning techniques.
- Acoustic noise is created on the basis of the mixed voices.





PARAMETRES



Weight 1.3 kg



Range
Acoustic Voice Mix Adapts to participants'
settings for clear voice
audibility

Ultrasound - 0.5 - 1.5 m



Intensity of Ultrasonic Interference

41 × 128-132 dB



Output of Acoustic Interference 3W



Dimensions20 cm × 20 cm × 6.2 cr



Power Supply 50-60 Hz



Voltage 230/12 V



Jack 3.5 mm

PRIME+

360° OMNIDIRECTIONAL ULTRASOUND JAMMER & SIGNAL JAMMER & SPEECH PROTECTOR

All portable electronics are equipped with built-in microphones, which can be easily misused to record private conversations or confidential meetings. The PRIME+ Speech Protector and Signal Jammer addresses this by combining three advanced privacy protection technologies:

Ultrasound Generator

- Operates in discreet, inaudible mode.
- Highly effective against digital recording devices and surveillance bugs.
- Recordings become unusable, producing only unintelligible noise.

Acoustic Noise Generator - Audible Protection

- Protects against stethoscope and laser microphones, even against advanced forensic cleaning techniques.
- Acoustic noise is created on the basis of the mixed voices.

Signal Jammer

- Overwhelms commonly used Wi-Fi frequencies and cellular networks.
- Blocks Bluetooth and wireless headphone eavesdropping.





PARAMETRES



Weight 1.9 kg



Range Acoustic Voice Mix -

Adapts to participants' settings for clear voice audibility

Ultrasound - 0.5 - 1.5 m **Jammer -** 5-10 m²



Intensity of Ultrasonic Interference 41 × 128-132 dB



Output of Acoustic Interference



Dimensions 20 cm × 20 cm × 7.2 cm



Power Supply 50-60 Hz



Voltage 230/12 V



Jack 3.5 mm

TO\$\times ERS

DIRECTIONAL SPEECH PROTECTORS

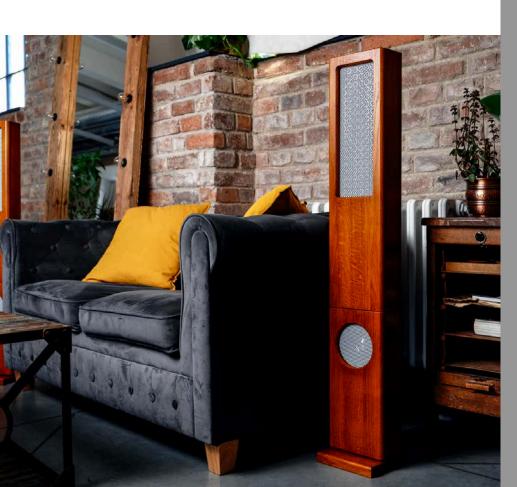
TOWERS Speech Protectors are designed to be completely discreet, resembling luxury speakers while providing highly effective protection against information leakage. By combining ultrasonic and acoustic noise, they provide enhanced effectiveness, making them one of the most powerful devices in our portfolio.

Ultrasound Generator

- Operates in a discreet, inaudible mode.
- Highly effective against digital recording devices and surveillance bugs.
- Recordings become unusable, producing only unintelligible noise.

Acoustic Noise Generator - Audible Protection

- Protects against stethoscopes and laser microphones, including advanced forensic cleaning techniques.
- Acoustic noise is generated from mixed voices.





PARAMETRES

FOR 1 UNIT



Weight 6.7 kg



Range Acoustic Voice Mix -

Adapts to participants' settings for clear voice audibility

Ultrasound - 1.5 - 2.5 m



Intensity of Ultrasonic Interference

110 × 128-132 dB



Output of Acoustic Interference 9W



Dimensions

19 cm × 113.5 cm × 19 cm



Power Supply 50-60 Hz



Voltage 230/1</u>2 V



Jack 3.5 mm







TOSERS+

DIRECTIONAL SPEECH PROTECTORS & SIGNAL JAMMERS

TOWERS+ Speech Protectors and Signal Jammers provide a discreet and highly effective solution for safeguarding conversations. Designed to resemble high-end home theater speakers made from premium oak wood, they blend seamlessly into any environment without disrupting meetings. The set is available in multiple colors, allowing you to choose the option that best suits your space.



Ultrasound Generator

- Operates in a discreet, inaudible mode.
- Highly effective against digital recording devices and surveillance bugs.
- Recordings become unusable, producing only unintelligible noise.

Acoustic Noise Generator - Audible Protection

- Protects against stethoscopes and laser microphones, including advanced forensic cleaning techniques.
- Acoustic noise is generated from mixed voices.

Signal Jammer

- Overwhelms commonly used Wi-Fi frequencies and cellular networks.
- Blocks Bluetooth and wireless headphone eavesdropping.



PARAMETRES

FOR 1 UNIT



Weight 6.7 kg



Range Acoustic Voice Mix -

Adapts to participants' settings for clear voice audibility

Ultrasound - 1.5 - 2.5 m **Jammer -** 5-10 m²



Intensity of Ultrasonic Interference 110 × 128-132 dB



Output of Acoustic Interference 9W



Dimensions 19 cm × 113.5 cm × 19 cm



Power Supply 50-60 Hz



Voltage 230/12 V



Jack 3.5 mm







SMIELD

PORTABLE ULTRASONIC AUDIO JAMMER & SPEECH PROTECTOR

The SHIELD Portable Speech Protector is designed to protect you from all forms of wiretapping. A key feature is its built-in battery, providing up to 4 hours of operation.



Ideal for professionals who frequently attend meetings while traveling, the SHIELD ensures that your conversations remain secure from eavesdropping. With up to 4 hours of battery life, it generates ultrasonic noise to overwhelm microphones and offers the option of acoustic noise for enhanced protection. This combination of technologies provides comprehensive security against all eavesdropping methods.





PARAMETRES



Weight 820 q



Range
Acoustic Voice Mix Adapts to participants
settings for clear voice

Ultrasound - 1.5 m



Intensity of Ultrasonic Interference

21 × 128-132 dB



Output of Acoustic Interference 3W



Dimensions



Battery Capacity 4 000 mAh (35 hours)



Battery Life4-5 hours



Voltage 230/12 V



Jack 3.5 mm

EO-J

DISCREET SIGNAL JAMMER

The discreet EO-J Signal Jammer effectively disrupts cellular and Wi-Fi networks, within its range. It protects you from eavesdropping and location tracking. With its antenna-free design, it remains unobtrusive and doesn't attract unwanted attention, ensuring discreet protection for offices against sensitive information leaks

The jammer's range is suitable for spaces of approximately 5-10 m².

For larger areas or environments with more transmitters, we recommend consulting with us to determine the appropriate number of units needed.



Products Prime, Prime+, Towers, Towers+, EO-J, and Solomon are key components of the Secure Room project, designed to work seamlessly together for maximum effectiveness against eavesdropping. Our solutions are tailored based on a detailed threat model, considering room size, furniture layout, and mobile phone protection. For the best results and a comprehensive security system, contact our sales team to design the ideal solution.



PARAMETRES











FREQUENCIES

The jammer is calibrated for use in the European Union. For custom frequency configurations, please contact us. The product is sold in a special mode for government use.

SOLOMON

ADVANCED NEGOTIATION ROOM SYSTEM FOR GOVERNMENT USE

The SOLOMON negotiation room system is specifically designed for high-security meetings, providing optimal confidentiality and robust protection against all types of eavesdropping. This system is ideal for government agencies, Ministries of Internal Affairs (MOIA), Ministries of Defence (MOD), and other state organizations requiring top-level security.

The SOLOMON system ensures that state meetings held anywhere in the world-in official meeting rooms, hotels, or other locations-are safeguarded against various eavesdropping methods, including hidden microphones, laser eavesdropping or directional eavesdropping.



Products Prime, Prime+, Towers, Towers+, EO-J, and Solomon are key components of the Secure Room project, designed to work seamlessly together for maximum effectiveness against eavesdropping. Our solutions are tailored based on a detailed threat model, considering room size, furniture layout, and mobile phone protection. For the best results and a comprehensive security system, contact our sales team to design the ideal solution.



- Participant Support: Up to 4 participants can connect to one device with the possibility of expansion by connecting additional SOLOMON devices (up to 30 participants).
- Clear Communication: Maintains clarity even in environments with acoustic and ultrasonic interference.
- User-Friendly: Simple setup and operation designed for ease of use by state officials.
- battery Life: Extended battery life ensures continuous operation for prolonged meetings.
- Power Source: Operates with an external 19V power source for reliable performance.

PARAMETRES



Voltage 5V/2A (USB-C)



Battery Life
Up to 20 hours



Powerbank 20 000 mAh

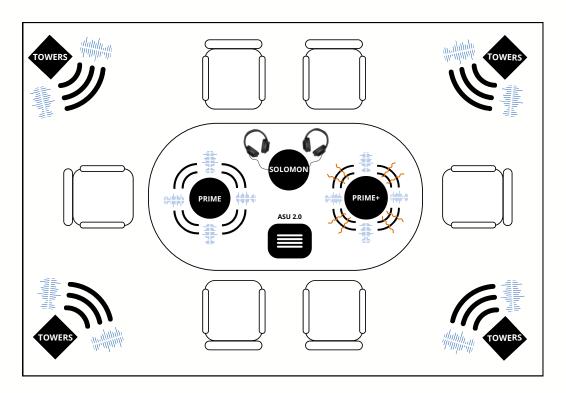


Headset Capacity 4 (expandable)

COMPARISON

	PRIME	PRIME+	TOWERS	TOWERS+	SHIELD	EO-J
ULTRASOUND RANGE	up to 1.5 m (modern waterproof microphones 50 cm – 1.5 m)	up to 1.5 m (modern waterproof microphones 50 cm – 1.5 m)	up to 3 m (modern waterproof microphones 1.5 m – 3 m)	up to 3 m (modern waterproof microphones 1.5 m – 3 m)	2 m (modern waterproof microphones 50 cm – 2 m)	X
ULTRASOUND INTENSITY	Omnidirectional 41 × 128-132 dB	Omnidirectional 41 × 128-132 dB	Unidirectional 110 × 128-132 dB	Unidirectional 110 × 128-132 dB	Unidirectional 21 × 128-132 dB	×
ACOUSTIC RANGE	Adapts to participants' settings for clear voice audibility.					×
ACOUSTIC OUTPUT	3W	3W	9W	9W	3W	×
JAMMING RANGE	×	5 - 10 m² (16-31 ft²)	×	5 - 10 m² (16-31 ft²)	×	5 - 10 m² (16-31 ft²)
WEIGHT	1.3 kg (2.8 lbs)	1.9 kg (4 lbs)	6.7 kg (14.7 lbs)	6.7 kg (14.7 lbs)	820 g (1.8 lbs)	1 kg (2.2 lbs)
DIMENSIONS	20 × 20 × 6.2 cm (8 × 8 × 2 in)	20 × 20 × 7.2 cm (8 × 8 × 2.4 in)	19 × 113.5 × 19 cm (7 × 45 × 7 in)	19 × 113.5 × 19 cm (7 × 45 × 7 in)	15.7 × 16.7 × 4 cm (6 × 6 × 2 in)	20 × 20 × 3.5 cm (8 × 8 × 2.4 in)
BATTERY LIFE	×	×	×	×	4-5 hours	×
POWER SUPPLY	✓	✓	✓	✓	✓	✓

SECURE MEETING ROOM



Signal Jammer

Overwhelms cellular networks (2G, 3G, 4G, and 5G).

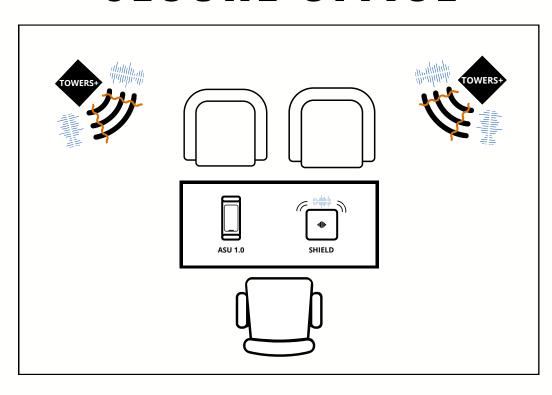
Ultrasound Generator

It will effectively protect you against digital recording devices and bugs.
The range is up to 2-5 meters.

Acoustic Noise Mix

It will protect you from the stethoscope and laser microphone, using a mixed voice to create a sound barrier.

SECURE OFFICE





SPEECH PROTECTORS FOR SECURING YOUR COMMUNICATION DEVICES

≈ARADAY SA**≈**EBOX

SIGNAL JAMMER & NOISE BLOCKING BOX

The Faraday Safebox safeguards against eavesdropping and data leaks from mobile phones, tablets, and other communication devices. It protects data by blocking access to the radio spectrum and disabling microphones with ultrasound technology.

- **Does Not Disrupt Meetings:** The ultrasonic noise from the Faraday Safebox is undetectable, allowing meetings to go on without interruption.
- **Effective Protection Against Eavesdropping:** Our technology offers strong protection against unauthorized recordings through device microphones, keeping meetings safe.
- Wide Compatibility: The Faraday Safebox works with all types of phones, tablets, and other communication devices, making it a flexible solution.
- Completely Discreet Design: Designed to look like a luxury suitcase, the Faraday Safebox is stylish and professional, hiding its protective features.





PARAMETRES



Weight



Dimensions 49 cm × 39 cm × 12 cm



The level of ultrasonic interference in each cell 104-108 dB



Voltage 5V/2A



Powerbank 20 000 mAh



Capacity 8 mobile phones or tablets

SAKEBOX

NOISE BLOCKING BOX

The SAFEBOX is a unique acoustic safe designed to protect conversations from being intercepted through mobile phones. Its discreet, luxurious design blends seamlessly into any interior space, offering protection without blocking calls, texts, or other network communications.



Once a phone is placed in the stand, ultrasonic noise is automatically generated to overwhelm the phone's microphone, making it impossible to capture high-quality audio recordings. The SAFEBOX is compatible with all mobile phone models.

SAFEBOX is made from high-quality, genuine oak, along with a lockable design for added security. Customers can also customize its appearance by selecting from our color catalog.





PARAMETRES



Weight 2.6 kg



Dimensions 27 cm × 12.7 cm × 20 cm



Frequency Range of Acoustic Noise 25 kHz ± 2 kHz



Voltage 5V/2A (USB-C



Powerbank 20 000 mAh



Time of Active Speech Protection
Unlimited







ASU 1.0

NOISE BLOCKING BOX

A unique acoustic safe stand that serves as a speech protector for mobile phones. Its advantage is that it does not block calls, SMS, or other cellular communications.

Once a phone is placed in the ASU 1.0, it automatically generates ultrasonic noise that overwhelms the phone's microphone, making it impossible to capture a clear recording. The ultrasonic interference remains inaudible to human hearing while still allowing the phone to function normally for communication.



Ultrasound Generator

The ASU 1.0 provides powerful protection against eavesdropping via microphones in mobile phones, dictaphones, and other smart devices. Ultrasonic noise is the most effective defense against eavesdropping, as it overwhelms the microphones, rendering all recorded sound unusable.

- Non-intrusive ultrasonic noise is inaudible to the human hearing and won't disrupt your meetings.
- **Broad Compatibility** compatible with most mobile phone models.
- Discreet Design resembles an ordinary phone stand.









ASU 2.0

NOISE BLOCKING BOX

The ASU 2.0 is a unique speech protector designed as an acoustic safe for multiple mobile phones. Its key advantage is that it does not block calls, SMS, or other network communications.

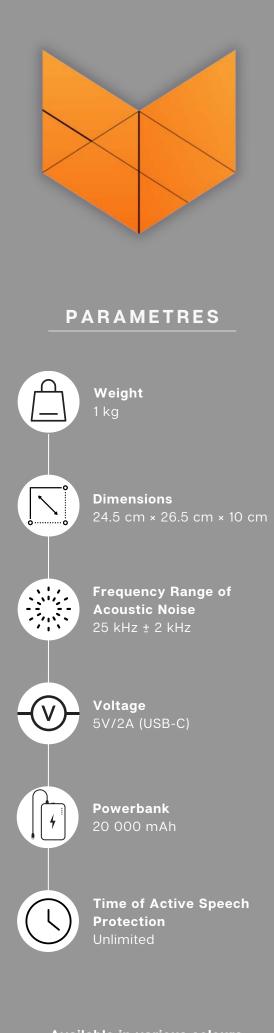
Once the first phone is placed into the stand, it automatically generates ultrasonic noise that overwhelms the microphones of any mobile phones within range. This makes it impossible to record a conversation effectively.



Ultrasound Generator

TThe ASU 2.0 offers strong protection against eavesdropping by using ultrasonic noise to disrupt microphones in mobile phones, dictaphones, and other smart devices. This ultrasonic sound effectively drowns out recorded audio, making it impossible to capture clear sound.

- Produces ultrasonic noise inaudible to the human hearing, ensuring no disruption to your meetings.
- Ompatible with most mobile phones.
- Discreet design resembles an ordinary phone stand.









ULTRA GUARD **CAS**

SECURE COMMUNICATION SOLUTION

The Ultra Guard Case by EO SECURITY is a secure communication solution designed specifically for high-ranking government officials, intelligence agencies, Ministries of Defense, and Ministries of Interior. Developed to support the unique requirements of intelligence operations and sensitive government discussions, this specialized case is not available for general sale and is intended exclusively for entities prioritizing maximum information security.

Protection Against Modern Cyber Threats:

The Ultra Guard Case uses advanced ultrasonic tech to block microphones, preventing eavesdropping-even from remotely activated devices. It ensures secure operations in sensitive environments.



Comprehensive Compatibility:

Compatible with all current iPhones. Custom configurations available for Android to suit specialized needs.

Advanced Microphone Blocking Technology:

Activate by holding the left-side button for 3-4 seconds. A blue LED shows protection status and battery level. Emits dynamic, random-pattern ultrasonic noise, audio making intercepted unusable and resistant to analysis.



PARAMETRES



Time of Active Speech Protection

up to 35 hours



Frequency Range of **Acoustic Noise** 25 kHz ± 2 kHz



Voltage



Battery Capacity 4 000 mAh (35 hours)



Powerbank 20 000 mAh



Uninterrupted **Smartphone Use**



Exclusive Customisation Options



Premium Durability

COMPARISON

	FARADAY SAFEBOX	SAFEBOX	ASU 1.0	ASU 2.0	
CAPACITY	8 Mobile Phones or Tablets	4 Mobile Phones	1 Mobile Phone	4 Mobile Phones	
MICROPHONE OVERWHELMING	✓	✓	✓	✓	
CELLULAR AND W-FI NETWORKS OVERWHELMING	✓	×	×	×	
PREVENTION OF RECORDING	✓	✓	✓	✓	
WEIGHT	6kg (13.2 lbs)	2.6kg (6 lbs)	470 g (1 lb)	1 kg (2.2 lbs)	
DIMENSIONS	49 × 39 × 12 cm (19.3 × 15.4 × 4.7 in)	27 × 12.7 × 20 cm (11 × 5 × 8 in)	26 × 11.3 × 4.5 cm (10.2 × 4.4 × 1.7 in)	24.5 × 26.5 × 10 cm (9 × 10 × 4 in)	
BATTERY LIFE	10-12 hours (possibility of replacement)	X	X	×	
POWER SUPPLY	×	✓	✓	✓	

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.

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 al 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 car 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.

Important Points of Signal Jammer

Optimal Placement of Signal Jammers

To ensure maximum efficiency, we recommend placing individual signal jammer models (PRIME+, TOWERS+, EO-J) 2–3 meters apart. Placing the devices too close together may result in unintended mobile signal interference.

Signal Jammer Effect

Once the Signal Jammer is activated, the mobile signal will begin to drop within 1–2 minutes, depending on the phone's software. While the smartphone may still display a full 5G signal, it will no longer be reachable.

Frequency Configuration

We configure the frequencies based on the international database, which includes operators' downlink frequencies. However, in some cases, a mobile operator may add new downlink frequencies without updating the database.

Please be aware that if a mobile operator's BTS antenna is installed on the building's roof where you are testing the Signal Jammer, its effectiveness may be reduced. In such cases, we recommend placing multiple Signal Jammer devices around the room, ensuring a distance of 2–3 meters between them.

If the mobile operator's BTS is particularly powerful in the area, multiple Signal Jammer devices may be required in the room, spaced 2–3 meters apart. For this reason, we specify different interference ranges per device.



ADDRESS

- Trnitá 500/9 602 00 Brno
- Londýnská 730/59 120 00 Prague

CONTACT US

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

