

## Ultrasound microphone jammer

### USJ-02-Disc



**Ultrasound jammer USJ-02-Disc is a powerful device intended to prevent unwanted eavesdropping or making an unauthorised recording using various spy and recording devices, e.g.:**

- GSM a UMTS spying devices
- radio spying devices
- mobile phones and PC
- digital and analog dictaphones
- spying devices based on microphone, placed in various things like button, tie, watch, videorecorder and many other common recording devices

#### How it works

- The device operates on the principle of saturation the spying device microphone with ultrasound which is of proper frequency and it results into input amplifier circuits limitation.
- Frequency combination of ultrasound is generated with respect to elimination of local points (nodes) with low level of ultrasound. This enhances the efficiency of the device greatly.
- USJ-02-Disc is designed to cover space by ultrasound in horizontal range of 360°. Vertical angle of ultrasound beam is approx. 50°, so majority of acoustic power is radiated in horizontal direction.
- Acoustic signal corruption caused by ultrasound and by limitation of electric signals in device circuits makes original audio signal unrecoverable.
- Device is intended to be placed on a table or other flat surfaces. It may also be placed on the **base<sup>(\*)</sup>** for better covering the area of the table top. **Mounting bayonet bed<sup>(\*)</sup>** can be used in case it is necessary to fix the jammer under the table or on the wall.

\* optional accessories



**DYN TEDES s. r. o.**

Residence: Českolipská 400/20, Střížkov, 190 00 Praha 9

Showroom and Office: Moskevská 86, 110 00 Prague 10, Czech Republic

e-mail: [info@dyntedes.cz](mailto:info@dyntedes.cz)



## Optional accessories:

### The base

enables to place the jammer 16cm above the table top. It is of great advantage in case there are any objects lying around that may block the transmission of the ultrasonic beams. The spying or recording device could be partly shield and the efficacy of the jammer might sink. The higher the jammer position, the better the area of the table top is covered. This up position is also advantageous to jam the recording devices in breast pockets.

### Mounting bayonet bed

is used in case it is necessary to fix the jammer under the table, e.g. to jam the recording device that is in a pocket of trousers. In this situation the jammer that is assigned to treat the space of the room cannot be relied on, as the recording device is covered by the human body from the back and by the table top from above. Fixing US Disc under the table solves the problem.

The USJ-02-Disc device is equipped with an **integrated switch-off timer** that is set by the manufacturer for a three-hour period. This time period can be changed when requested. (through the service connector inside the device, which can be reached after the cover is taken off)

As a part of the device there is the **remote control** for switching it on and off.

## Technical data

- type description: USJ-02-Disc
- power supply: 12 V DC / 1.5 A (10 to 14V)
- built-in Li-Ion cells: 4 x 3.6 V, 3400 mAh
- accumulator operation: ~ 3h
- maximum power consumption: 18 W
- ultrasound frequency: 21 and 25 kHz
- horizontal ultrasound beam angle: 360°
- vertical ultrasound beam angle (-6dB loss): ~ 50°
- sound pressure level: 110 dB at 1m distance
- operating temperature range: 0 to 30 °C
- colour, material: plastic parts - black RAL 9005  
aluminium alloy body - black anodized  
stand, mounting plate - painted steel
- intended for use in dry indoor environments only