

# **Jammer of microphones and audio recorders**

## **SEL-310 «Komar»**



**Manual**  
**2018**

Suppressor SEL-310 „Komar“ is designed to protect leakage of acoustic information by full and (or) partly suppressing useful sound signal trying to record a mobile recording devices (such as cellular phones, tablets and e.t.c), radio transmitting and special wired technical means and various type of microphones by generating the interference in ultrasonic range, affecting directly on the membrane of the microphone.

**DELIVERY SET INCLUDES:**

- |                               |     |
|-------------------------------|-----|
| 1. Suppressor SEL-310 „Komar“ | — 1 |
| 2. Charging equipment, pcs.   | — 1 |
| 3. Remote control, pcs.       | — 1 |
| 4. Package, pcs.              | — 1 |
| 5. Manual, , pcs.             | — 1 |

**DISTINCTIVE FEATURES.**

- Complicated structured ultrasound interference in the range frequency from 24 kHz till 26 kHz
- Full mobile version with power supply from Li-Pol battery capacity 4100 mA/h
- Remote switching on/off interference by wireless remote control RC
- Possibility to work from battery from external adapter
- Indication level of battery charge
- Increased efficiency and distance of suppression due to „know how“ manufacturer

**TECHNICAL CHARACTERISTICS**

Amount of ultrasound suppressors, pcs.	10
Emission range , kHz	24 — 26
Type of emission interference	complex structured ultrasonic noise
Recording equipment suppressing distance	up to 4 meters (depending on the type and location of the microphone)
Type of integrated batteries	Li-Pol
Capacity of each battery	4100 mA/h
Indicator of battery discharge	yes
Input of power voltage	5V, 2A
Time of continuous operation with a fully battery charge, h	Up to 4
Time of full cycle, no more than, h	10
Possibility intermediate charge / discharge	yes
Range of operating temperature, C	+5 - +40;
Relative humidity, not more than	85%
Dimensions, mm	110x105x46
Weight, g	300

## **ATTENTION!!!**

**It is FORBIDDEN to bring the ultrasound emission on the distance closer than 70 cm to the ear.**

**It is FORBIDDEN to use the equipment people younger than 18 years old.**

**It is FORBIDDEN to add any changes to the integrated circuit protection and power supply, due to large battery power capacity**

## **PARTS OF CONTROL**



NOISE – indicator of turning the noise interference.

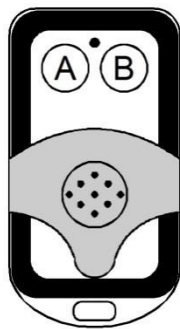
BAT. – indicator of switching on the device and battery charge.

POWER – MINI USB socket connection of external source of power supply.

ON/OFF. – button switching ON/OFF the device power supply.

RC – indicator of signal receiver from RC..

RESET – reset button of the device for factory settings.



A – button switching off the noise interference.

B – button switching on the noise interference.

## **SWITCHING ON-OFF THE DEVICE**

In order to turn ON the device, press and hold 3 sec. button POWER., till the sound signal goes on. Simultaneously switching on the device power source turns on the noise interference, which is affirmed through blue color indicator.

In order to switch OFF the noise interference is performed by pressing the A button on the remote control RC. By this, indicator “NOISE” stops glowing and the device goes into standby mode. Turning on noise interference again is being performed by pressing the B button on the remote control RC.

In order to turn OFF the device press and hold 6 sec. button POWER till the sound signal goes on.

With a low level of battery charge indicator BAT., will glow red colour. For battery charge, it necessary to connect the charging equipment, included to the delivery set, corresponded to socket on the device. During the battery charging process the indicator BAT., glows red colour. When the battery is fully charged the indicator BAT., will change to green colour.

Battery charge indication:

- GREEN-charged,
- ORANGE-charged 50%,
- RED-discharged.

#### INDICATOR STATUS

Status	Processed
<b>Operating indicator</b>	
Glows blue color	Noise interference is switched on, the jamming is processed
<b>Indicator БАТ.</b>	
Glows green color	Device power supply switched ON/ Battery fully charged
Glows red color	Low level battery charge/Proceeds battery charging
<b>Indicator ДУ</b>	
Starts to glow red color	A signal is being received from the remote control ДУ

#### RECOMMENDATIONS FOR USE

ULTRASONIC EMITTERS ARE DIRECTIONAL, THEREFORE, IN ORDER TO EFFECTIVELY SUPPRESS SOUND RECORDING DEVICE, IT IS NECESSARY TO DIRECT THE DEVICE WITH EMITTERS TOWARDS THE SUPPRESSED OBJECT, AVOIDING OBJECTS BETWEEN THE SUPPRESSOR AND SOUND RECORDING DEVICE.

DUE TO TECHNOLOGICAL LIMITATIONS, SOME RECORDER DEVICES CAN NOT BE SUPPRESSED, WHICH IS NOT A MALFUNCTION OF “SEL-310 KOMAR”

#### INFORMATION ABOUT PRECIOUS METALS

Suppressor SEL-310 „Komar“ does not contain any precious or rare-earth metals.

#### WARRANTY OBLIGATIONS

Warranty terms of usage – 12 months from day of sale. Life operating time – 5 years. In case, of device failure during the warranty time the owner have the right for warranty repair. In case of seals damage, mechanical housing and control component part damages, the user loses the right for warranty and the repairs are performed on the owners expenses.