

Multifunctional noise generator

MNG-06

User manual



Read this manual before use

MNG-06 is a small, compact, highly efficient and multifunctional noise generator, which aims to neutralize eavesdropping and hidden audio recorders, as well as to help detecting such. The device generates several types of sounds, each of which is used for different TSCM activities generates several types of sounds.

➤ **White noise-** 2 types

Purpose:

1. To block the mics and ensuring confidentiality of the conversations/ meetings

➤ **Speech like noise-** 2 types

Purpose:

1. To block the mics and ensuring confidentiality of the conversations/ meetings.
2. Evaluation the sound permeability through various barriers and protections.

➤ **Metronome-** generates sharp rhythmic sound with different octaves- 2 types

Purpose:

1. To evaluate the sound permeability through various barriers and protections.
2. To activate VOX (voice activated) microphones.
3. To assess the relevance of intercepted radio signal to the sounds it the inspected room.

➤ **Octave (rhythmic) sound** with different sound frequencies- 1 type

Purpose:

1. To assess the permeability of sound through different barriers and protections
2. To activate VOX microphones.

I. Power ON



To switch ON the device, turn the ON/OFF switch to ON. The green LED (POWER) lights up.

Switch OFF- switch the ON/OFF to OFF.

Switching between different types of noises/ sounds is by pressing the VOLUME knob.

To adjust the noise level, turn the VOLUME knob left or right.

II. How to adjust the Volume level

The volume level adjusts with a rotary encoder (**Volume knob**). There is a scale from 1 to 7 on the control panel (*fig. 2*) and 7 is the highest level. The rotary encoder allows it to be rotated indefinitely in both directions (left/ right). If you scroll two or more times (cycles) in one direction, this will shift the positions for the lowest and highest noise level.



Fig. 2 the Volume knob (rotary encoder)

There are two ways to adjust the positions of the noise level:

First way - turn the Volume knob (rotary encoder) in the opposite direction, turning it until the highest sound level matches with the number 7.

Second option – while the MNG-06 is switched on, rotate the Volume knob (rotary encoder) until you reach maximum sound level. Turn off the device. Turn the Volume knob until it points the number 7. Switch on the device again.

III. Battery, charging

When the device is OFF but at the same time is connected to external power supply and it has a rechargeable battery inside, the BATTERY/CHARGE LED lights. That indicates that the battery is charging. It stops when the battery is fully charged and the LED turns off. The device automatically keeps the level of the battery.

When the device is simultaneously connected to the external power supply and it has rechargeable battery, it's normal both LEDs to be ON.

The external power can be connected permanently without any risk for the rechargeable battery or the electronics; the device contains battery overcharging protection circuit.

In case of external power supply failure (e.g. blackout) the device automatically switches to battery operation. When the power is restored, the device switches to external power supply, and at the same time the battery starts charging.

Red LED blinks constantly if the battery level is below 7.3V. It is possible to blink if the rechargeable battery is damaged.

NEVER connect the device to the external power supply if the battery is NON-RECHARGEABLE!!!

The non-rechargeable batteries must not be charged!!!

The battery lid is on the back of the device (**Fig.3**).



Fig. 3

12V jack for the external power supply

Technical characteristics:

- Generates:

- White noise-2 types
- Speech like noise- 2 types
- Metronome- generates sharp rhythmic sound with different octaves- 2 types
- Rhythmic sound with different sound frequencies- 1 type

- Output power- 350mW;

- Loudspeaker- 36 ohm, 500mW

- Consumption at max. noise level- no more than 35mA

- Adjusting the noise level- smoothly with control knob

- External power supply- 12V

- Power- 9V 6F22 non-rechargeable battery or NiMH accumulator battery in battery holder

- Battery charge time- approx. 16 hours

- Battery life (at max. noise level) – not less than 4 hrs./ at minimum noise level- over 8 hrs.

- Low battery indication- below 7,3V

- Size of the box- 123x88x29 mm

Build-in protections:

- Self-discharge protection (battery discharging via the PCB or the external power supply)

- Short circuit protection

- Protection against reverse polarity of the external power supply or the battery

Please note!!!

Do not charge the device when the alkaline battery is in it!