

# Real-time Acoustic noise filter

## L254



Denoiser Box is an ultra-compact device based on STC award-winning Denoiser DSP board and designed for real-time enhancement of analog audio signal. Denoiser Box decreases overall noise level greatly improving speech signal intelligibility.

### Applications

- Police, Technical investigators, Surveillance team, Private investigators, Forensic labs and other Law Enforcement Agencies: live sound and speech quality improvement while recording or listening in field conditions.
- Broadcasting companies: mastering of “live” interviews and reports.
- To reach the most efficiency results it is strongly recommended to filter a signal via Denoiser Box before recording and processing.

### Technical characteristics

Device specification is presented in Table 1.

Table 1

Maximum Li-ion battery-powered operation time without battery replacement		14 hrs
Noise suppression range	One-channel filtering algorithm	0-24 dB
	Two-channel filtering algorithm (with a reference channel)	0-40 dB
Bandpass		200-5000 Hz; 300-3400 Hz
Sampling frequency		11025 Hz
Minimum impedance at headphones output		8 Ohm
AGC range	Input	12 dB
	Output	6 dB
Power consumption at 12 V		50 mA
External DC source voltage	With battery	10-24 V
	Without battery	6-24 V
Dimensions		110×45×113 mm
Weight (without battery)		360 g

### Removes noises from:

- air conditioning
- PC and office equipment
- vacuum cleaners
- radio channel