



## NOISE FILTERING AND SPEECH ENHANCEMENT

# DENOISER BOX

*Compact real-time noise filtering and speech enhancement device*

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

### APPLICATIONS

**Police, Technical investigators, Surveillance teams, 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. Live speech quality improvement when recording in field conditions.

### HIGHLIGHTS

- Effectively decreases broadband (industrial, street etc.) and harmonic noises and interferences. Adaptive noise filtering algorithms keep speech signal clear and undistorted.
- Removes noises from:
  - Air conditioning
  - PC and office equipment
  - Vacuum Cleaners
  - Radio Channel
- Signal bandwidth adjustable.
- Adjustable AGC (Automatic gain control).

### SPECIFICATIONS

- Noise suppression depth:
  - 0-24 dB for single-channel filtering
  - 0-40 dB for reference channel stereo filtering
- Operating time (without battery change) - up to 4 hours.
- Signal sampling rate:
  - 11 025 Hz for single-channel scheme
  - 8 000 Hz for dual-channel scheme
- Adjustable signal bandwidth - 200-5000 or 300-3400 Hz.
- AGC adjustment range:
  - 12 dB input
  - 6 dB output
- Size: 110×45×113 mm (4,33×1.77×4.49 inches)
- Weight: 360 g (12.86 ounces)

### DELIVERY SET

Denoiser Box delivery includes:

- Denoiser Box device with a single-channel filtering algorithm
  - AC 100-240 V 50/60 Hz power supply unit
  - Two signal input/output cables
  - Cable for connecting Denoiser Box to Gnome digital voice recorders (for processed signal recording)
  - Carrying case
  - User manual
  - Two additional mini-XLR connectors
- Additional items delivered upon request:
- 12 V power cable (lighter plug)

