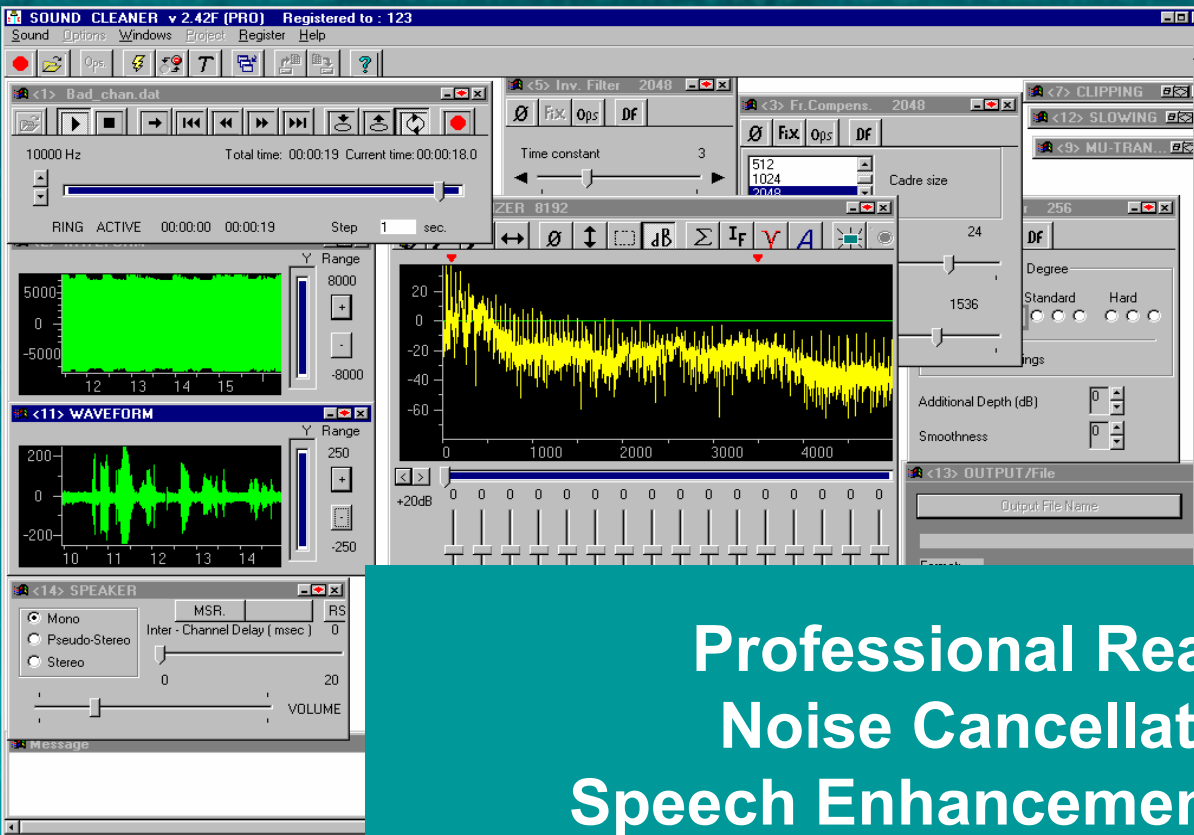


Sound Cleaner Premium



**Professional Real-Time
Noise Cancellation &
Speech Enhancement Software**



Sound Cleaner Advantages

Sound Cleaner is unique software for filtering of noise-corrupted sound recordings and improvement of speech intelligibility.

The user can adjust the filtering parameters and hear the changes made in real-time.

Allows the user to reduce different types of noise from any sound source, even in cases where the speech is hardly intelligible.



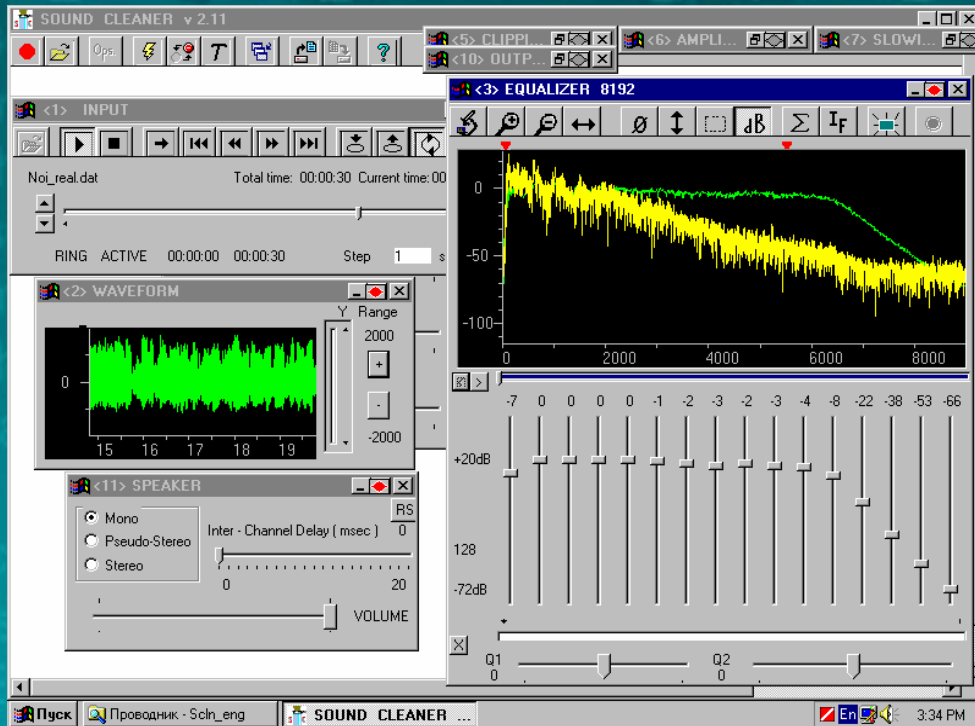
Sound Cleaner Advantages



- ✓ Signal is processed by a sequence of modules. There are 14 typical schemes of processing available.
- ✓ It is possible to build customized schemes.
- ✓ All modules work simultaneously in sequence.



Sound Cleaner Advantages



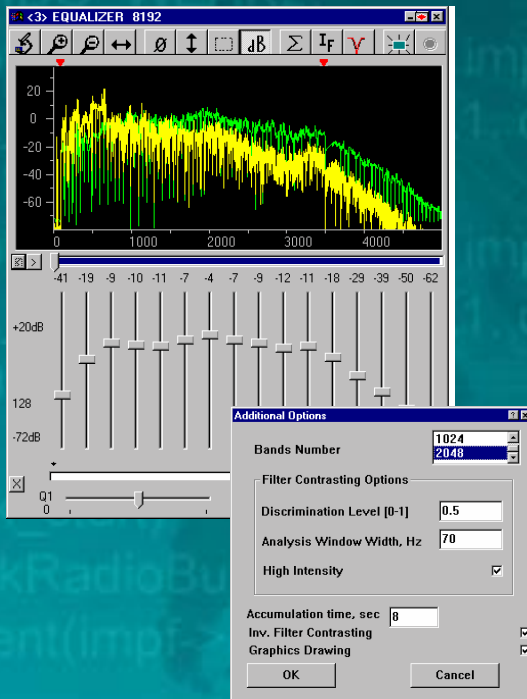
- ✓ All options are adjustable in real-time while listening to the output.
- ✓ Each module is represented by a separate window with a number of basic and professional controls.



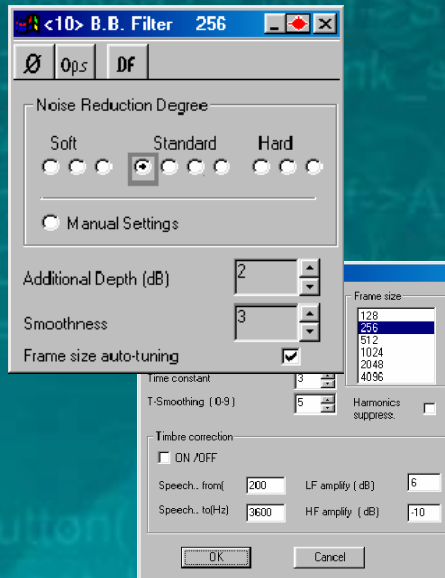
Sound Cleaner Modules

Sound Cleaner consists of 19 processing modules including:

- ✓ 8192 independent band graphical equalizer with automatic and manual modes.
- ✓ 2048 manually adjustable equalizer sliders which allow the user to suppress narrow bands (2.5 Hz) by 72 dB down, it is also possible to operate sliders by group.



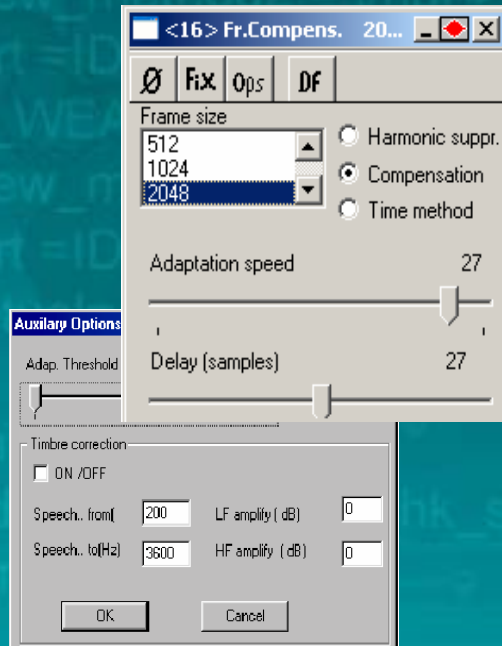
Sound Cleaner Modules



- ✓ Adaptive broadband noise filter cancels the most kinds of home/office equipment noise. The broadband noise is suppressed down by 10-20 dB.



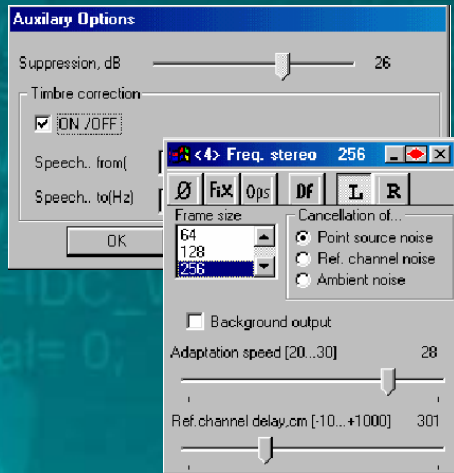
Sound Cleaner Modules



- ✓ Adaptive frequency compensation filter. 8192 taps allow suppression of many mixed types of noise.



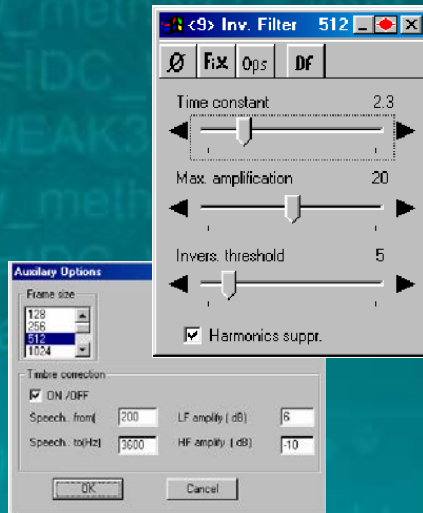
Sound Cleaner Modules



- ✓ 4 adaptive stereo filters in time and frequency domain are effective against distributed interference (radio, TV, concert, bar environment) or point-source noise.



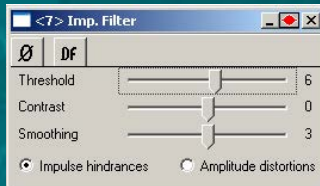
Sound Cleaner Modules



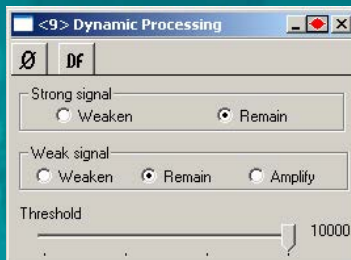
- ✓ Adaptive inverse filter automatically suppresses narrowband noise - highly effective against reverberation and non-stationary hindrances.



Sound Cleaner Modules



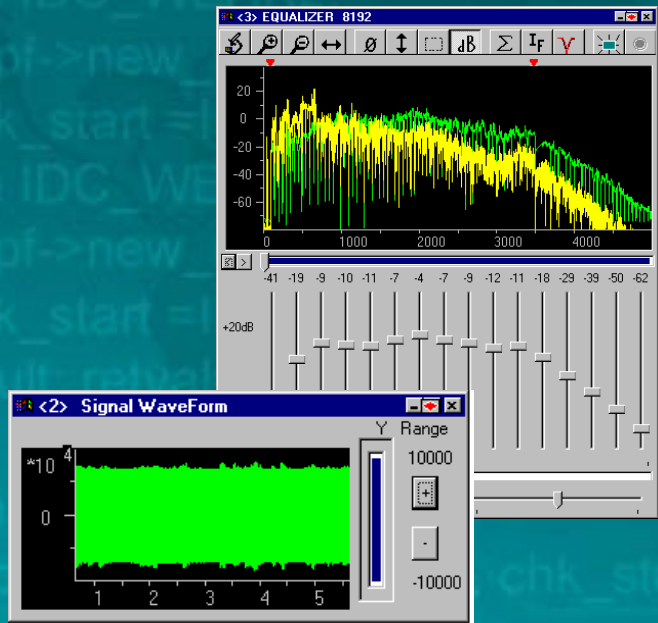
✓ Pulse-like interference filter



✓ Dynamic processing / automatic gain control module successfully deals with the recordings of speech at different volume levels



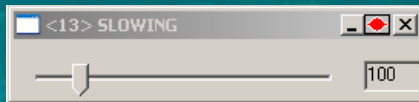
Sound Cleaner Modules



- ✓ The user has the ability to see waveforms and FFT spectrums of the source signal and of the processed one.



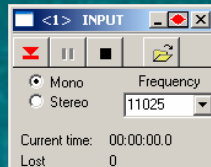
Sound Cleaner Modules



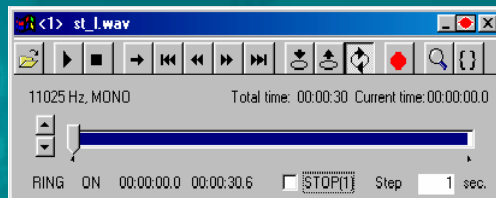
- ✓ Sound Stretcher module for playback speed adjustment. Playback speed can be increased or decreased up to 2-3 times without voice pitch distortion or speech quality loss.



Sound Cleaner Modules



- ✓ Sound file (*.wav) or real-time audio stream can be processed. The files can be listen to and stored at the same time.



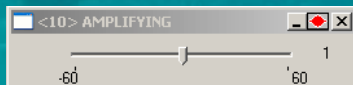
- ✓ Advanced playback functionality: loop, search, precise pointer setting.



Sound Cleaner Modules



- ✓ Volume control and pseudo-stereo mode sound playback, for more comfortable listening.



- ✓ Amplification range is -60...+60dB. When the signal level after processing drops, a higher gain setting value is useful.



Sound Cleaner Noises

Eliminates different types of noises and distortions:

- ✓ Broadband and narrowband noise, stationary and non-stationary noise can be eliminated.
- ✓ From such sources as: telephone lines, engine, home/office appliances, industrial equipment, street, aircraft engine, power supply, room echo and reverberation.



Sound Cleaner Overall

- ✓ 19 processing modules
- ✓ All modules work simultaneously
- ✓ All controls can be adjusted in real time
- ✓ The Sequence of the modules can be edited by user
- ✓ 14 pre-defined processing schemes give guidance in determining what noise is present and how to remove it



Sound Cleaner Overall

- ✓ Self-adjusting improvement of voice quality and intelligibility
- ✓ Removal of background noise and interferences
- ✓ Tonal distortion suppression up to 70 dB
- ✓ White noise reduction 12-30 dB
- ✓ Manually adjusted noise reduction characteristics for fine tuning
- ✓ Selectable signal bandwidth
- ✓ Works on standard PC



Contact us



Speech Technology Center

St.Petersburg, Russia

<http://www.speechpro.com>

email: sales@speechpro.com

 Tel +7 812 3310665

 Fax +7 812 3279297

German office:


Speech Tech GmbH

Saarbrücken, Germany

<http://www.speech-tek.com>

email: sales@speech-tek.com

 Tel +49 681 9655709

 Fax +49 69 25577077

