

## Overview

**CrystalSpeech Noise Suppressor** – software product for adaptive noise cancellation for variety of applications from gadgets and smartphones to the high performance VoIP terminals. It eliminates most noise from speech making it clearer and more intelligible even in the harsh environment. Special technology reduces the level of so called ‘musical’ noise after cancellation without degradation of a voice quality.

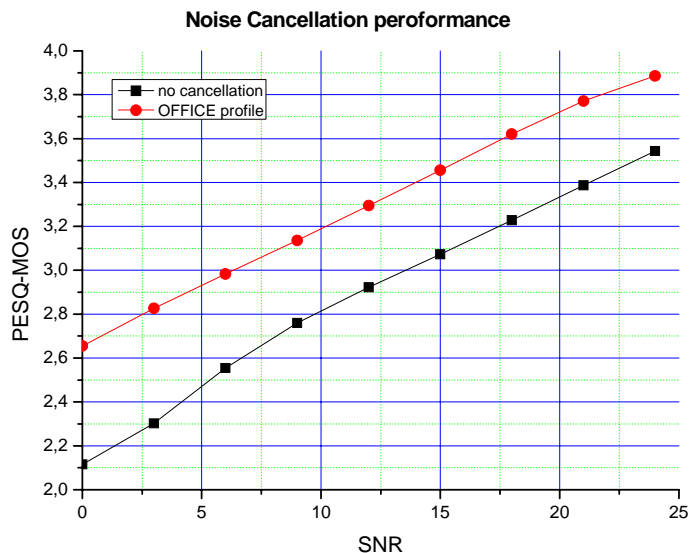
## Features

- Wide band voice representation at 16kHz sampling rate returning true 8kHz voice bandwidth.
- smart noise suppression reducing the level of electrical and environmental noise with minimum speech distortions
- the set of user profiles for easy parameter selection (car, street, office, etc.)
- low resource (MIPS/memory) consumption allows to run on almost all CPUs
- multiplatform implementation for compatibility with multiple operation systems from WindowsCE to Linux and different processors

## Applications

- IP phones
- Smart phones
- VoIP devices
- Video conferencing
- Hands-free communications

## Performance



NOTE:  
Measurement conditions:  
Speech material: male/female  
speech files from G.728  
Average speech level: -25 dBm  
Noise: Gaussian

## Availability

This software package is available in binary/source code written on fully portable C-language for:

- Texas Instruments TMS320C64xx, DaVinci, OMAPs
- Marvell KirKwood/ARMADA
- ARM9E, ARM11, Cortex A8
- x86
- Windows, Linux, DSP/BIOS
- Other platforms and OS are under request

## Contacts

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