Product Description

GAO Adaptive Noise Suppression algorithm is designed to adaptively suppress both stationary and non-stationary background noise from speech. By taking advantage of the signal characteristics of human speech, the algorithm extracts the signals of interest and adaptively cancels the noise that is present in the background.

Noises embedded in speech are especially perceivable when compressed and transmitted. Non-stationary background noises that change over time are even more perceivable when played back. By continuously tracking the characteristics of the noise signal, GAO's adaptive algorithm effectively eliminates this background noise, resulting in much clearer speech over the communication channel. The code is developed using ANSI C and can be ported to customers' platform of choice.

Key Features

- ✓ ANSI C code
- ✓ Support to run on many DSP/Microprocessor platforms
- ✓ C-callable functions
- ✓ Real-time audio processing
- ✓ Natural sounding, undistorted speech output

Leadership in Embedded Communications Software

With over a decade of experience, GAO leads the embedded communications software market by providing comprehensive modem, fax, speech, and telephony technologies; broad technical expertise; and unsurpassed support to our world-class customers including electronics, communications, and semiconductor companies across the globe. GAO's software integrates easily with MP3, MPEG, TCP/IP, and most popular real-time operating systems.

Rigorous Testing

GAO's testing facilities are equipped with state-of-the-art test equipment. Our software is rigorously tested on TAS, Consultronics, Rochelle, Advent and Telegra equipment under various channel models according to the relevant ITU or TIA standards. All GAO's speech software has passed the test vectors specified by the ITU. Our telephony software meets all appropriate TIA, EIA, BellCore, and Mitel standards.

GAO Group	Toll Free (USA & Canada)
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