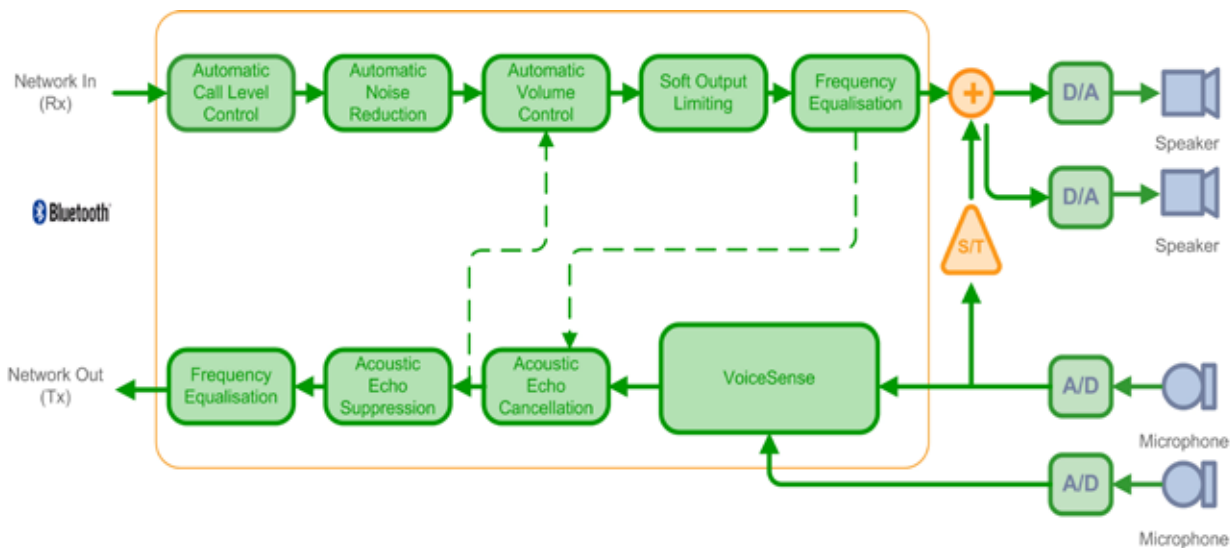


Description

VoiceSense is a high performance alternative for bluetooth headset manufacturers seeking effective noise control and voice capture from innovative headset product designs.

VoiceSense is a novel voice enhancement DSP software library system designed to improve the naturalness and quality of the headset users voice - even when the headset is being used in difficult noise environments. VoiceSense uses fine grained analysis to remove great levels of noise and maintain a natural voice quality. Using our knowledge of hearing and speech science we apply psychoacoustic principles to give greater perceived noise reduction without the normal artefacts in the residual noise.

Block Diagram



Performance Levels

VoiceSense is especially effective in noise levels that are greater than 75 dBA. Working in conjunction with the ATLAS software suite, VoiceSense deals with non-stationary, uncorrelated, spatially separated and multiple noise sources, at a level that no other product to date has been able to achieve. Windy and reverberant conditions are overcome also.

Available Now

VoiceSense is available now, as an implementation of the CSR BlueCore5-Multimedia chipset. Dynamic Hearing's scientifically developed suite of DSP-based algorithms can be customized for headset manufacturers (including OEM's and ODM's) seeking differentiation solutions and offers the opportunity to be integrated with advanced acoustic or cosmetic design features. The algorithm suites are also available as DSP turn key solutions for rapid product development and release.