



bdSound

Intelligent **Audio** Solutions

Automotive Solutions

Robust, reliable and field-proven solutions for communication in cars with stunning quality and clear speech.

Technologies and strong support to serve the Automotive industry

bdSound provides a **complete solution for communications in cars**, to improve the quality of hands-free communications.

It includes several technologies to cancel acoustic echo, reduce engine noise and other sources, managing audio levels for comfortable and safe communications.

bdSound solutions can be **fully customized** according to the specific hardware.

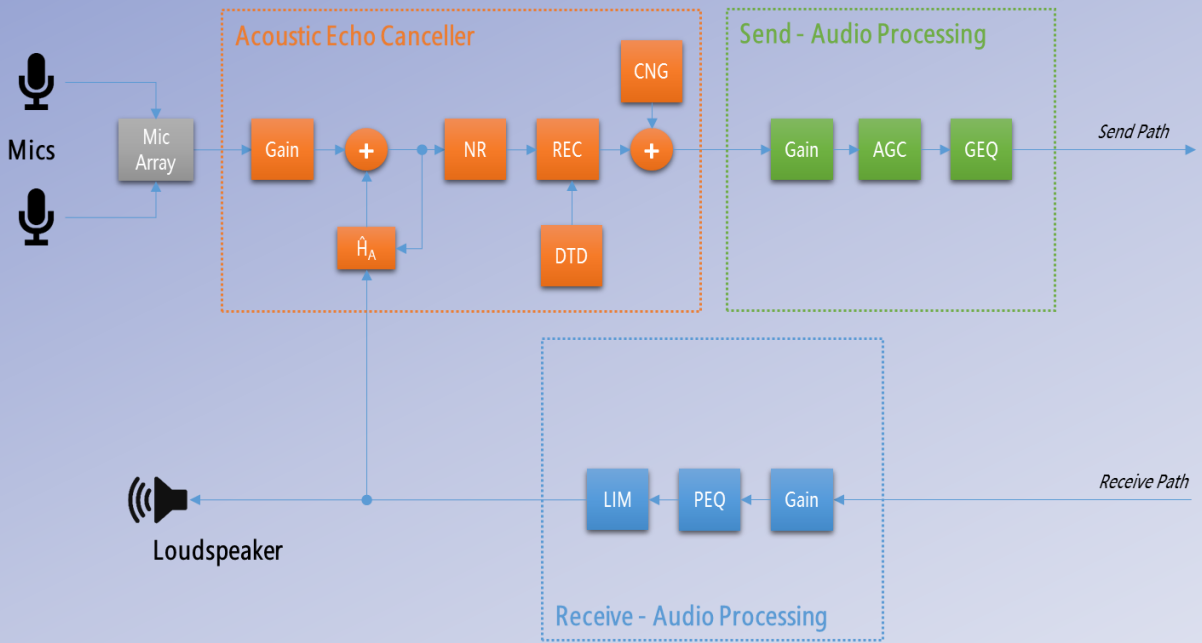
Supported platforms:

- ARM® Cortex® A
- ST® Accordo 2
- ST® Accordo 5

Ask for other CPU

Main features:

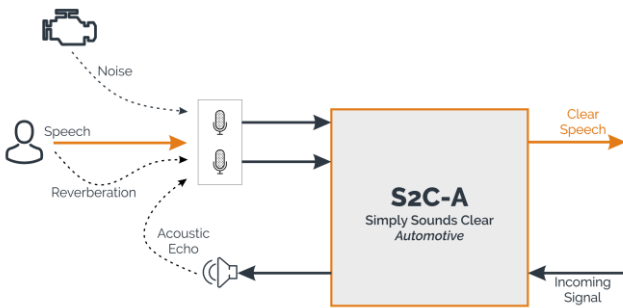
- Full duplex **wideband (up to 32kHz) ECNR**
- Dual or **multiple microphone support**
- Dedicated audio and speech processing for hands-free calls and for Automatic Speech Recognition
- **Graphical User Interface** designed to simplify tuning procedure during certification's process
- Field-proven solution, also in very noisy top sport cars
- **Strong support** by bdSound engineer team during development, integration and certification process
- **Successfully integrated and certified with Apple® CarPlay® and Android™ Auto** and compliant to ITU P.1110 and ITU P.1100



Ultra wideband top-quality ECNR

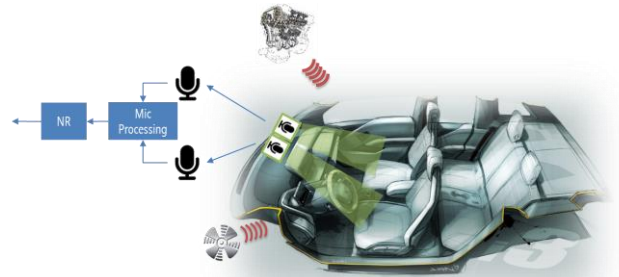
- Full duplex Acoustic Echo Canceller
- Noise Reduction
- Wideband up to 32kHz of sample frequency

Field-proven solution based on the **S2C-A (Simply Sounds Clear - Automotive) technology** by bdSound, specifically designed for automotive applications



Microphone beamforming

bdSound ECNR works with a single microphone. If multiple microphones are available, it is possible to exploit bdSound's microphone array and beamforming technology to **improve speech quality** and **increase the success rate of ASR systems like Apple® Siri®** even more.



Ready for Apple® CarPlay® and Android™ Auto

Successfully integrated with Apple® CarPlay® and Android™ Auto on several car models.

