

bdSound

Intelligent **Audio** Solutions

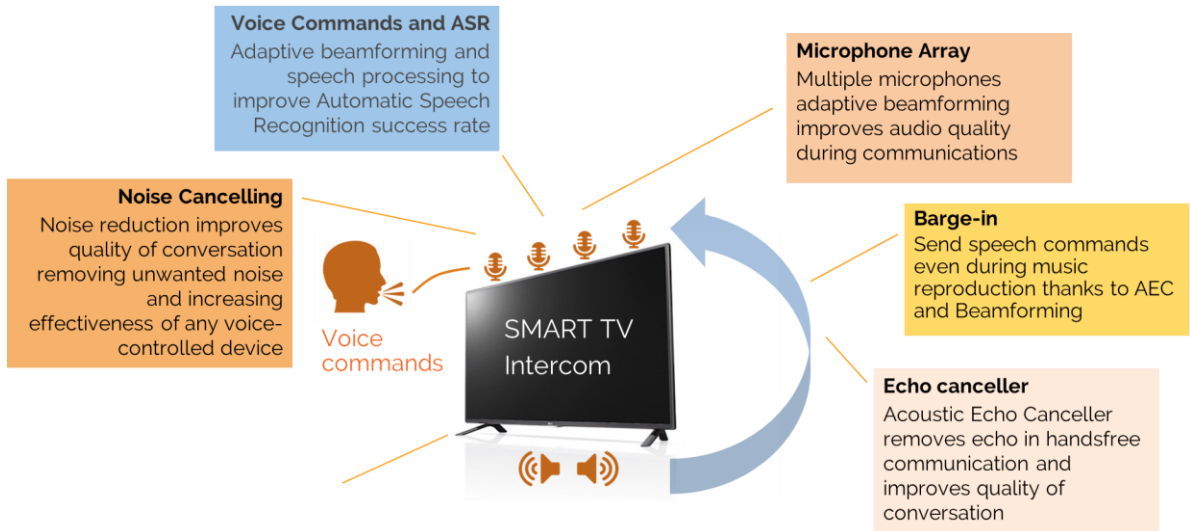
IoT, Intercom and Communication Devices

Everyday a huge quantity of users enjoy crystal clear communications, through different devices, thanks to the incorporated bdSound's technology.

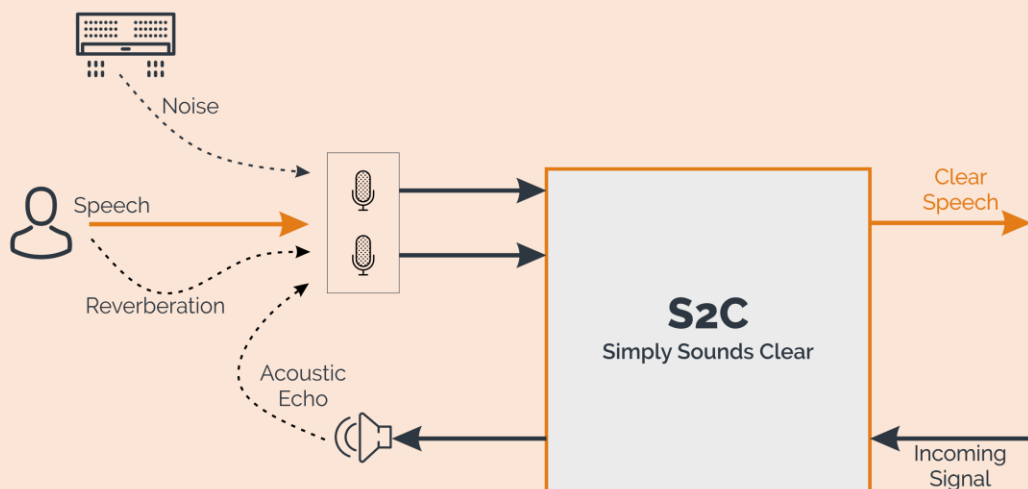
A rich offer of technologies, solutions and services

bdSound provides a rich set of solutions and technologies to face the challenge of echo free communication. Without noise and artifacts voice commands can reach their full effectiveness.

Supporting several hardware architectures and operating systems, and offering a strong design support, bdSound solutions are the right choice for developing top quality products.



Simply Sounds Clear technology



HARDWARE REFERENCE DESIGNS AVAILABLE

Technologies and services that fit your needs

- Full duplex wideband Acoustic Echo Canceller
- Noise Reduction
- Microphones array and beamforming
- Barge-in processing to enhance performance of ASR like Amazon Alexa
- Dedicated audio and speech processors
- GUI for real-time tuning and performance check

Complete support for product development

bdSound provides a complete support to boost design of audio and speech hardware applications:

- Hardware design support
- Reference designs
- Electroacoustic design support
- Acoustic characterizations and measurements

Support for several platforms and O.S.

- ARM® Cortex® M
- ARM® Cortex® A
- X86/x64
- FPGA
- SoC FPGA+ARM
- Linux
- Android™
- Apple® iOS
- Apple® OS X®
- Microsoft™ Windows™
- RTOS
- Bare Metal

NOISE REDUCTION

ASR ENHANCER

BARGE-IN

ECHO CANCELLER

BEAMFORMING

VoIP SIP STACK

ASYNCR. SRC

AUDIO INTERFACES

AES3 AES10 AVB

FPGA INTEGRATION

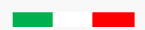
CUSTOM DIGITAL AUDIO BUS



bdSound
Intelligent **Audio** Solutions

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 *born in Italy with passion*