



ALANGO

Technologies and solutions

Newsletter

Voice Activity Detector Demo

We invite you to view this short demo of <https://www.youtube.com/watch?v=zUCRADZyTlw>. Alango VAD is a low complexity DSP technology for detecting speech in an acoustic signal. The demo shows Alango's technology running on the STM32F769 discovery board. Alango's VAD technology is designed with an emphasis on robustness, stability, and minimal resource (power) consumption.



Hearing, Hearables, and Hearing Health at MWC18, Shanghai

Alango CEO, Dr. Alexander Goldin, spoke in Shanghai in June at Mobile World Congress Asia. His talk, entitled "Hearing, Hearables and Hearing Health", discussed hearing loss and its consequences, hearing aids and their failure to address the needs of hundreds of millions of potential users, and an innovative, emerging approach to hearing health based on consumer electronics technology. [Click here](#) if you would like to receive a copy of that presentation.

Alango at IFA in Berlin

Alango's Wear & Hear product group will be exhibiting at IFA, Berlin (Hall 1.2 / Stand 107). IFA will be taking place from August 31 through September 5. We will demonstrate the production, commercial version of our BeHear NOW® assistive hearing headset as well as HearLink™, the wireless campaigning transmitter. Additionally, we'll show concepts of BeHear ACCESS™, a BeHear version designed for people with accessibility problems and BeHear BUSINESS™, a monaural assistive hearing headset for situations when a binaural hearing enhancement is either not needed or not appropriate.

And, of course, we'll be ready to discuss our traditional DSP sound technology licensing business for automotive, mobile phones, phone accessories, smart home and other types of applications.





SAIC Motors Hands-free

A leading Chinese automotive manufacturer, Shanghai Automotive Industry Corporation (SAIC), is rolling out its MG HS model. The flagship crossover is equipped with a next-generation e-auto infotainment system, featuring Alango's software [Voice Communication Package \(VCP8\)](#) for full duplex hands-free mobile calls. Alango's VCP is used in over 20 million vehicles on the road. VCP ensures that the vehicle occupants are heard clearly via the automotive hands-free system by mitigating against echo and noise as well as adjusting gains and frequency equalization; it is compliant with Apple's CarPlay and Google's Android Auto connectivity protocols as well as ITU-T P.1100/P.1110, VDA 1.6 and eCall (Gost33468 and ITU P.1140) specifications.

Partner Spotlight

Our latest, 8th generation of [Voice Communication Package "VCP8"](#) has been optimized to run on Arm Cortex M4/7 processors. Alango Voice Communication Package is a full suite of front-end voice processing technologies enabling efficient voice communication and reliable speech recognition in various applications. Alango will be demonstrating some of its technologies running on Arm Cortex at [Arm TechCon](#), October 16~18, in the San Jose Convention Center.

ARM



Product Corner

Seed's ReSpeaker Core v2.0 is designed as a multifunctional development board for businesses and developers to apply for voice interface applications. It is based on the Rockchip RK3229, a quad-core ARM Cortex A7, running up to 1.5GHz, with 1GB RAM. The board features a six-microphone array with [Alango's Voice Enhancement Package "VEP"](#) and is able to be customized upon request. The ReSpeaker Core v2.0 allows companies to efficiently develop high performance voice-interface products without having to master the aspects of audio and other technology integrations.

As always, we look forward to HEARING from you!

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