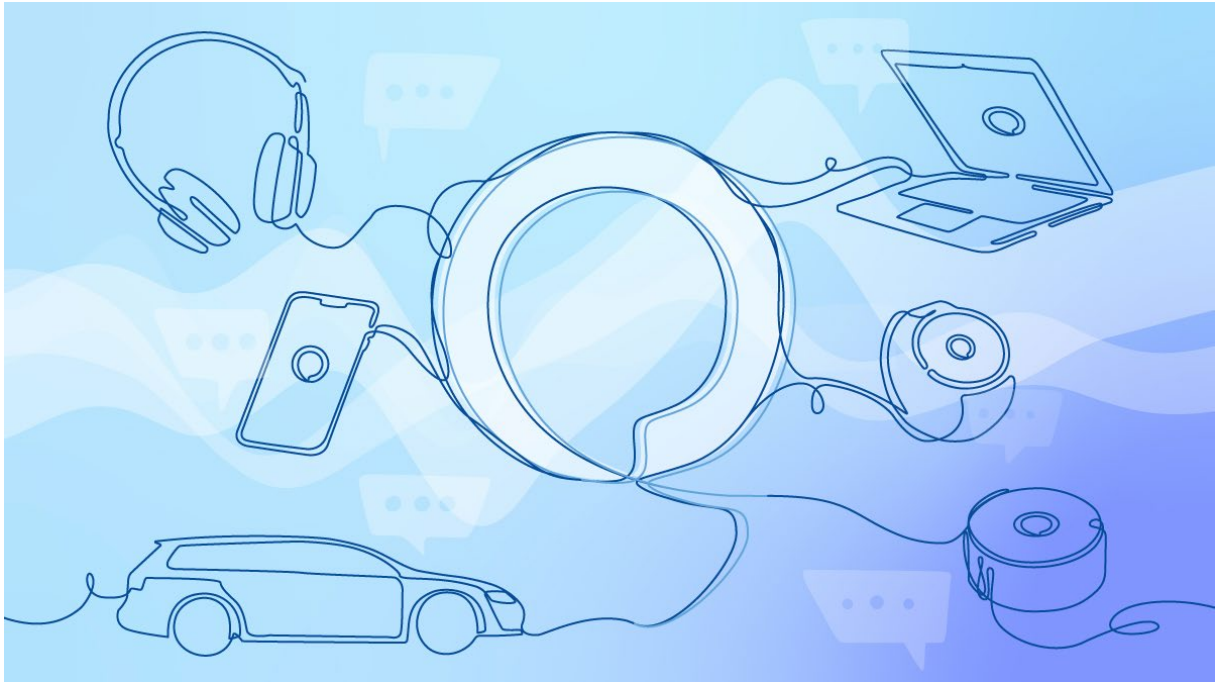


## HEAD acoustics Implements Alexa ACAR Testing

*With HEAD acoustics' comprehensive Alexa ACAR test implementation, we enable developers to leverage the full speech and communication potential of Alexa-built-in devices.*



Amazon Alexa offers numerous services on Alexa-Built-In devices including 'Alexa-to-Alexa calls' to other users for qualified devices. This service is available for many products, including mobile and household devices and cars. These products and devices work in individual acoustic situations, making it challenging for their manufacturers to meet Amazon's requirements and ensure optimal performance.

### **Seamless communication at any time, any place – and no matter the circumstances**

Therefore, Amazon has established the Alexa Communications Audio Requirements (ACAR, current version 2.1.3 June 2021) to optimize the user experience when performing an Alexa-to-Alexa call. They specify instrumental and auditory tests for various situations different types of devices must pass to qualify for Alexa-to-Alexa calls.

### **The HEAD acoustics ACAR implementation**

A comprehensive test implementation for all device types as specified in Alexa ACAR is key to success for developers. The HEAD acoustics ACAR implementation and complementary HEAD acoustics test suites, e.g., ACQUA and labCORE with the software extension module coreIP-Alexa, which serves as a reference gateway for voice quality measurements of Alexa Built-In Devices, let them leverage the best-performing devices for all use cases and

scenarios: With fast and convenient testing, comparison, and experimental optimization, ACAR ensures that devices implementing Alexa-to-Alexa calls meet all requirements laid out by Amazon and perform at their best; always, anywhere, and no matter the circumstances.

*With the HEAD acoustics implementation of ACAR, our customers benefit from technology and experience that helps them provide consumers with the most relevant and enjoyable experiences.*

### **Your benefits with HEAD acoustics ACAR**

- A comprehensive test suite
- A precise and standard-conformant implementation
- Covers all specified devices
- Includes all simulation technologies
- Uses advanced HATS technology
- Speeds up the development process
- Achieves reliable and meaningful quality testing results

[Talk to us](#) for more information.

### **About HEAD acoustics**

Since its foundation in 1986, HEAD acoustics has been a reliable partner wherever acoustics, vibrations, speech, audio, and sound quality play an important role. Combining cutting-edge measurement hardware and software, HEAD acoustics offers scalable, holistic solutions for optimizing speech and other acoustics problems and applications. HEAD acoustics' expertise and pioneering role in measuring and optimizing speech and audio quality in all areas of communications technology are recognized worldwide.

The HEAD acoustics Alexa ACAR implementation and the *coreIP*-Alexa ((LINK)) extend the HEAD acoustics footprint in the home speaker communications space.



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