

HEAD acoustics Supports Bluetooth® LE Audio Testing

LE Audio is an entirely new Bluetooth® implementation. The first Bluetooth® LE Audio technology introduced into the market is Auracast™ broadcast audio, which fully integrates with the HEAD acoustics test frontend *labCORE* for testing and optimization.

A new era of Bluetooth® Testing

With Bluetooth® LE Audio, a new generation of Bluetooth® technology devices enters the market, addressing new industries and applications such as hearing aids, public address systems, and broadcasting devices like TVs to employ the Auracast™ technology. Testing and optimization are mandatory and require a reference implementation of the new stack and the new LC3 codec combined with the best testing strategies, like an acoustic environment simulation – especially background noise – for optimizing the performance of headsets and other devices in environments where Auracast™ will be used.

Implementation in *labCORE*: the complete test solution

The HEAD acoustics test frontend *labCORE* simulates the Auracast™ source and sink devices. With *coreBT2LE* Auracast, HEAD acoustics provides a complete software-based implementation, including the audio and speech codec. In conjunction with the analysis system ACQUA, the background noise and reverb simulation *3PASSlab*, *3PASSflex*, and *3PASSreverb*, users can rely on a test and simulation environment for all device types, enabling them to validate and optimize Auracast performance comprehensively.

The test solution's main features are:

- Auracast™ source and sink reference client
- LC3 codec reference implementation
- Completely integrated into the HEAD acoustics test environment
- Tests and test sequences integrated into ACQUA allow for fully automated testing
- Future-proof due to software-based implementation

Please [get in touch with us](#) for more information and visit [our website](#).



About HEAD acoustics

HEAD acoustics GmbH is one of the world's leading companies offering holistic sound and vibration analysis solutions. In the telecom sector, the company enjoys global recognition due to its expertise and pioneering role in developing hardware and software for measuring, analyzing, and optimizing voice and audio quality, as well as customer-specific solutions and services. HEAD acoustics' range of services covers sound engineering for technical products, investigation of environmental noise, speech quality engineering, consulting, training, and support. The medium-sized company from Herzogenrath near Aachen has subsidiaries in China, France, India, Italy, Japan, South Korea, the UK, the USA, and numerous sales partners worldwide.