Press Release
Herzogenrath, September 09, 2025

ACQUA Software Release 6.2.100 – Novel distortion analysis and more options in audio quality analysis

The new version 6.2.100 of ACQUA offers practical enhancements and optimizations that simplify your daily analysis tasks and further increase the accuracy of your measurement results.

Speech-Based Distortion Measure (ACOPT 41)

This completely new analysis option makes it possible for the first time to measure distortion using voice signals. This method was defined in ETSI standard TS 104 063 and circumvents the problem that modern communication systems often filter out artificial test signals such as sine waves or sweeps.

MDAQS (ACOPT 36/ACOPT 40)

MDAQS (Multi-Dimensional Audio Quality Score) has been updated to version 2.0. The MDAQS ACOPT 36 now includes, in addition to a generic variant, the two application-specific variants MDAQS Headphones and MDAQS Car, which are optimally adapted for headphone testing and audio quality testing in vehicles. This makes the evaluations significantly more robust and provides users with improved metrics for assessing audio quality. The MDAQS Headphones variant is also available as a stand-alone product in ACOPT 40.

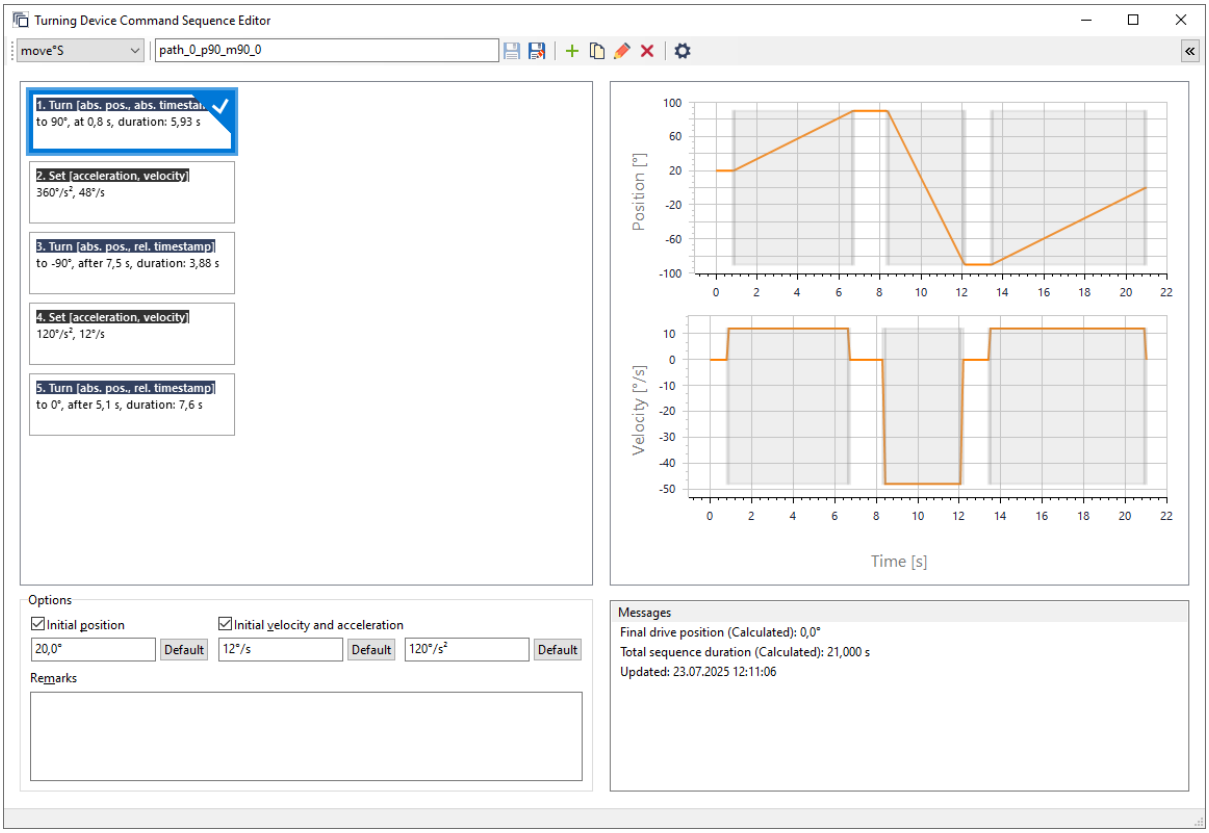
Command Sequences for move°S

Close to natural communication scenarios thanks to head movements: The new Command Sequence Editor in ACQUA 6.2.100 enables highly accurate synchronization of move°S artificial head movements with audio playback and recordings. To do this, you define the

HEAD acoustics GmbH
Ebertstraße 30a
52134 Herzogenrath
Germany

Email: presse@head-acoustics.com

rotation of the move°S in terms of starting time, position, speed, and acceleration in the Command Sequence Editor, enabling complex movement sequences to be executed during a measurement.



Turning Device Command Sequences Editor for move°S

New A²B Product Structure

We have changed the product structure for coreA²B so that you can adapt the *lab*CORE module even better to your application.
With the basic version coreA²B Basic (code 7791), the *lab*CORE acts as either the main or sub node. With the help of the *lab*CORE software extensions, you can also use the bus monitor mode (coreA²B Bus Monitor, code 7792) or proxy mode (coreA²B Proxy, code 7793). Users can now integrate multiple coreA²B cards into a single *lab*CORE system, including cards of different levels within the new product structure. This flexibility allows you to create more comprehensive and optimally tailored test configurations.

With these updates, ACQUA Software 6.2.100 continues to set the standard for future-proof audio quality analysis, providing you with advanced tools that allow you to easily meet the evolving requirements of the telecommunications and audio industries.

For more information about the new features and how they can support your audio testing processes, please contact our team at sales@head-acoustics.com.

HEAD acoustics GmbH
Ebertstraße 30a
52134 Herzogenrath
Germany

Email: presse@head-acoustics.com

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 and vibration engineering for technical products, investigation of environmental noise, speech quality engineering, training, and support. The company from Herzogenrath near Aachen in Germany has subsidiaries in China, France, India, Italy, Japan, South Korea, the UK, the USA, and numerous sales partners worldwide.

HEAD acoustics GmbH
Ebertstraße 30a
52134 Herzogenrath
Germany

Email: presse@head-acoustics.com