

PRESS RELEASE

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MPEG-H Audio Available in Future Nuendo Updates

Steinberg and Fraunhofer IIS deliver native support of MPEG-H Audio in Nuendo updates to come.

Erlangen, Germany / Hamburg, Germany / Anaheim, USA – Today, Steinberg, one of the world's largest manufacturers of professional audio software and hardware, and the Fraunhofer Institute for Integrated Circuits IIS, primary developer of the MPEG-H Audio system, announced that upcoming Nuendo releases feature native support of MPEG-H Audio.

Thanks to the seamless integration of the most advanced Next Generation Audio system, content creators and service providers can now deliver the sophisticated sound experiences today's audiences expect. Nuendo's new range of rendering and authoring functionalities for MPEG-H Audio enables producers to create a unique sound experience without having to deviate from their customary workflows. It also means that the design, editing, and mixing of immersive sound now include personalization options. This unique feature of MPEG-H Audio unlocks the option to create fully adjustable dialogue levels and customizable audio descriptions. It also enables the integration of multiple languages and even interactive object positioning. As a result, creators can allow their audience to choose their preferred audio experience in TV broadcast, film, streaming, and advanced music experiences – and all of this in addition to enjoying immersive sound. Thanks to the export and import of MPEG-H BWF/ADM files, users will be able to produce new or adapt existing mixes and open the door to the most fascinating and custom audio journeys yet. They are also able to define sound sources that can move through a three-dimensional space, just as they do in reality, which enables artists to fully realize their artistic vision.

"Partnering with one of the global leaders in audio post-production was a great experience for us and we are convinced that Nuendo users will appreciate the opportunities of the native MPEG-H Audio integration," says Harald Fuchs, MPEG-H Audio Product Manager and Head of the Media Systems and Applications Department at Fraunhofer IIS. "No matter if they are experienced users of Fraunhofer's MPEG-H Audio tools, they will easily be able to use the new options to their fullest extent."

"We are excited to provide our users with the next global standard in audio personalization systems. MPEG-H Audio takes the listening experience to a whole new level and will be seamlessly integrated with the next major release of Nuendo," says

Head of Corporate Communications

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FRAUNHOFER INSTITUTE FOR INTEGRATED CIRCUITS IIS

Timo Wildenhain, Head of Professional Audio at Steinberg. “Our users are proud to be among the most innovative of their industries, and we want to enable them to effortlessly create immersive, personalized sound with their trusted DAW.”

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About Steinberg

Steinberg is known the world over for its music and audio software and hardware solutions. The company has been developing, manufacturing and selling innovative products for musicians and producers in the music, film, post production and multimedia industries since 1984. Steinberg products are used by Grammy and Oscar award-winning composers, engineers and producers. The company also offers business customers

license-management and copy-protection systems.

Visit www.steinberg.net for further details.

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About Fraunhofer IIS

Fraunhofer IIS, based in Erlangen, Germany, is the largest institute within Fraunhofer-Gesellschaft, Europe’s leading application-oriented research organization. For over 30 years, the institute’s Audio and Media Technologies division has been shaping the globally deployed standards and technologies in the fields of audio coding and moving picture production. Fraunhofer IIS systems and tools help create, transmit and provide excellent audio and video content as well as enable high-quality real-time communication. Today, almost all computers, mobile phones and consumer electronic devices are equipped with technologies from Erlangen and are used by billions of people around the world every day.

It all started with the creation of mp3, then evolved with the co-development of AAC and HE-AAC. Now the fourth generation of best-in-class audio technologies – MPEG-H Audio, EVS, LC3/LC3plus and xHE-AAC – elevates the media experience to new heights. In terms of audio signal processing, Symphoria and the Sonamic product family provide enveloping and enhanced sound in cars, while the upHear product family dramatically improves 3D audio playback or recording quality of professional and consumer devices. Fraunhofer technologies also power digital radio: first and foremost in the form of the ContentServer, combining audio encoding, multimedia data management and multiplexing. In the field of moving picture technologies, establishing the Digital Cinema Initiative test plan boosted the creation of professional tools for digital film and media production, such as easyDCP, Realception and JPEG XS.

The interdisciplinary team transforms science into best-in-class applications with new functionalities for end users as well as optimum efficiency, reducing transmission costs while increasing reliability. Always taking into account the demands of the market, Fraunhofer IIS develops technology that makes memorable moments. We hear the bigger picture.