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xHE-AAC

**THE AUDIO CODEC OF CHOICE FOR
ADAPTIVE STREAMING AND DIGITAL RADIO**





<http://s.fhg.de/xHEAAC>

The xHE-AAC audio codec combines speech and audio coding into one unified system that delivers consistent high-quality audio at all bit rates for all signal types. This is the most important feature for mixed-content applications with limited transmission capacity, such as mobile audio and video streaming or digital radio.

Increased quality for streaming

xHE-AAC was inherently designed for adaptive streaming and is the only perceptual audio codec that covers the entire bit rate spectrum. This bit rate flexibility improves the reliability of streaming services: listeners will enjoy a continuous playback – even under challenging network conditions – as the codec provides unparalleled audio quality even at stream bit rates as low as 6 kbit/s per channel. When network connectivity recovers, the xHE-AAC player will adapt to a higher bit rate and seamlessly switch across the full range of bit rates up to transparent quality. The outstanding coding efficiency of xHE-AAC allows investing the saved bit rate to improve the video quality of mobile video streaming.

Digital Radio: better quality and more programs

The first radio system to adopt xHE-AAC as its mandatory audio codec is Digital Radio Mondiale (DRM). Broadcasters benefit from a simplified codec configuration process where all relevant quality parameters are automatically optimized by the encoder. In addition, the reduced bit demand of the codec allows for the delivery of a wider selection of audio programs.

xHE-AAC is included in the AAC Patent Licensing Program by VIA Licensing at no extra cost.