

Asius Technologies LLC

Asius Technologies arose out of a music career spanning decades. As a teenager in the Sixties, Asius Founder and President Stephen Ambrose was forbidden by his classically trained musician father to listen to rock music. Like any teenager, he found a way to enjoy his love of rock without letting his father know – he took putty, glue, and radio parts and built small device to fit in his ear so he could hear the music but no one else. Ambrose went on to invent the in-ear monitoring (IEM) technology that would become today's earbuds and start a revolution in personal audio.



Ambrose's first earbud prototype and examples of hardware he created in the 1970s and 1980s.

From that first creation, Ambrose embarked on years of development and refinement of wireless products, touring with the likes of Stevie Wonder, Simon & Garfunkel, and the Steve Miller Band, as well as working the sound for recording sessions with Joni Mitchell, Roger Waters, and Guns N' Roses.

The IEM technology invented by Ambrose delivers full-spectrum, high-fidelity sound, and has been used by almost every major musical act onstage. It's transformed the way people across the globe listen to music.

But the use of earbuds has been linked to hearing loss, which troubled Ambrose. Asius Technologies was started to design a solution that breaks the cycle of volume and hearing loss: a second, synthetic eardrum right inside the earbud.

With National Science Foundation and NIH funding Asius Technologies has developed and patented its ADEL™ second eardrum technology that allows earphone listeners to enjoy their music with any risk of hearing loss. It has been tested at Vanderbilt University and now lower volumes sound louder and better because the eardrum and speaker work optimally.

The Asius Technologies team is designing and producing earbuds and variable modules that can be used as components for other hearing related technologies. use specialized software and 3D printers to quickly simulate and revise the mechanical properties of their designs. What used to take a month- to go from design to prototype- now takes 30 minutes.

With more products in its pipeline, Asius Technologies will continue on its mission to *prevent* hearing loss, *preserve* remaining hearing, and *restore* long lost hearing,



Current pre-production ADEL™ earbud model