



FEEL
THE
POWER
OF
IMMERSIVE
3D SOUND

REFERENCE DESIGN

TAYGETE

MEMS based 3D Virtual Audio System



UNBEATABLE SOUND EXPERIENCE

Imagine playing a computer game with beautiful life-like graphics and awesome gameplay - it's a fantastic visual 3D experience.

Now imagine adding another dimension: the dimension of realistic surround sound, but not through a large speaker setup but through the comfort of your headphone. Hear cars driving by. Hear laughter from behind you. Whispers on your right side.

// USound is the first to introduce MEMS-based loudspeakers to the market. Our Ganymede loudspeakers stand out for their natural sound. The thin and light weighted speakers allow listeners to enjoy the detailed attributes of the music as well as a vivid and clear voice reproduction. The dimensions of the current Ganymede MEMS speaker generation are 4.7 x 6.7 x 1.4 mm.

Taygete is an innovative USound reference design that provides a new approach to let players experience 3D surround sounds. With 14 built-in MEMS a pair of dynamic speakers as well as an intelligent control unit, Taygete offers a fascinating 3D sound experience that will immerse you into virtual worlds.

*We will be sampling Taygete to key customers by the end of 2018.**



ADVANTAGES //

- Enhanced directional hearing
- Industry-unique
- High-precision
- Low power consumption
- Low heat emission
- High Efficiency

ENDLESS POSSIBILITIES //

Stereo enhancement, Elevation experiments, Sound source positioning
Surround mapping for 5.1 and 7.1 and other audio formats.

INCLUDED IN PROTOTYPE SET //

14 high-performance built-in
MEMS and a pair of dynamic
speakers

Intelligent control unit as
interface between soundcard
and headphone

Pair of headphone units
mounted on the headphone

Cables and power supplies

Basic DSP Software, open for
further experimentation





About USound

USound GmbH is an innovative fast growing company focused on developing and producing the most advanced audio solutions based on MEMS (Micro-Electro-Mechanical Systems) technology.

Aiming to revolutionise the personal audio industry, USound will equip earbuds, 3D headphones for virtual reality and audio systems for wearables.

Learn more about us at:

WWW.USOUND.COM