

PRESS RELEASE

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An interactive dive into three-dimensional soundscapes

Following 3D for film, with usomo now comes 3D for sound. Music, voice and sound are carried into the space, surround the user and create the thrilling feeling of being completely immersed in the action and to be right in the middle of the scene.

The new immersive audio system usomo transforms spaces into walk-in interactive soundscapes. An absolute innovation in digital sound design. The Berlin tech start-up FRAMED immersive projects developed the system specifically for interior spaces without any real sound sources, in order to be able to position virtual sound sources in a spatially accurate way.

Surprising and sense-expanding acoustic experience

The usomo principle: Simply by the free movement of the user, sound is triggered individually. A unique acoustic journey is created for everyone. As one moves around the space, sounds start or stop, and even the tonality, volume and angle of the sound sources change.

All sounds have properties that change according to the position and orientation of the user, e.g. the volume or special effects. The sound and the visuals fully merge into an intense, all-encompassing 360° experience.

User-friendly, accurate and flexible technology

For spatial design, exhibitions and events as well as for educational purposes, usomo offers a completely new dimension for user-friendly acoustic concepts with audience appeal. The system consists of headphones with the usomo tracking module, a smartphone as part of the system to play back the sound data, as well as transmitters in the space. Beyond this, no higher-level equipment such as a server or the like is required.

By the most precise ranging of the position and the rotation of the user – extremely accurate within 20 cm in position and 1° in rotation – a fully individual sound course is created, calculated and sent to the headphones in real time. The system can even be installed spanning several floors, requiring only very little equipment.

The audio system usomo is a product by FRAMED immersive projects. FRAMED produces immersive sound and film projects, providing everything from one source: system planning, content production and technical implementation.

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Image material and further information available in the download area and upon request.