



## Immersive Voice

Spatial audio for live voice and video calls



## The future of voice communication is here

Immersive Voice takes you to your caller's environment – bringing intimacy, efficiency and an improved user experience.

It is a breakthrough development for mobile audio in a generation, taking OZO's immersive 3D spatial audio capture and making it available for live voice and video calls.

Head-tracking and precise directivity of sound provide the kind of user experience that consumers have come to expect in their digital communication, while industrial and enterprise providers will benefit from safer and more efficient remote collaboration and control.

The way people communicate in their day-to-day lives has changed beyond recognition in the past couple of decades. Voice calls, on the other hand, have remained in a steady mode of incremental progress.

Until now.

### How we reached this point

The evolution of voice call audio

1999 AMR 2G/3G	2001 AMR-WB 2G/3G
2014 EVS 4G/5G	2024 IVAS 5G

Immersive Voice marks a momentous leap in voice call audio, representing the most significant advancement in decades. It enables the capture and experience of spatial audio across various use cases, including recording, streaming, and live calls. Our work with spatial audio technologies has also inspired the next generation 3GPP voice standard, IVAS.

In group calls, Immersive Voice capabilities are processed over the cloud, allowing participants to hear each other from distinct directions, creating a shared, immersive spatial experience for all involved.



### Consumer use cases

Consumers can enjoy greater levels of intimacy and a more engaging user experience in their interactions with friends and family, reaffirming live voice calls as a central part of the daily communication landscape.

- One-to-one call  
**Share the sounds of your environment**
- Multi-party call  
**Hear group call participants from different directions and distances**
- XR/Metaverse  
**Speaking across the metaverse**



### Enterprise use cases

Enterprise operators can look forward to providing end users with innovative features and products, opening up new functionalities and experiential possibilities.

- One-to-one call  
**Remote customer service**
- Multi-party call  
**Spatial team calls for better wellbeing**
- Multi-party call  
**Host a watch party**



### Industry use cases

Industry is also set to benefit from a whole host of new opportunities to increase efficiency and remote collaboration.

- Multi-party call  
**Inter-team communication**
- Binaural call  
**Remote assistance**
- Multi-mic capture call  
**Remote monitoring**

Find out more at  
[nokia.ly/immersive-voice](https://nokia.ly/immersive-voice)

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