

A Better Way to Talk.

Vesper Voice Accelerometer enables high quality voice pickup in earbuds products.

Today, we're all working remotely. Our days are filled with conference calls — and the quality of these calls is more important than ever. Unfortunately, the technology hasn't kept up.

Until now.

What if you could put on your earbuds, and not have to worry about muting yourself because of high background noise?

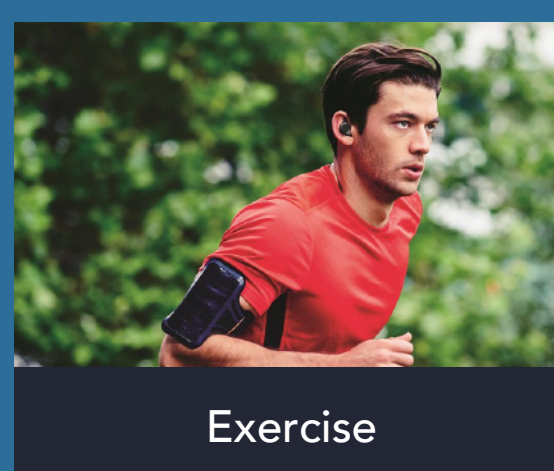
No passing cars, no wind, no domestic commotion.



Commute



Outdoor Calls



Exercise

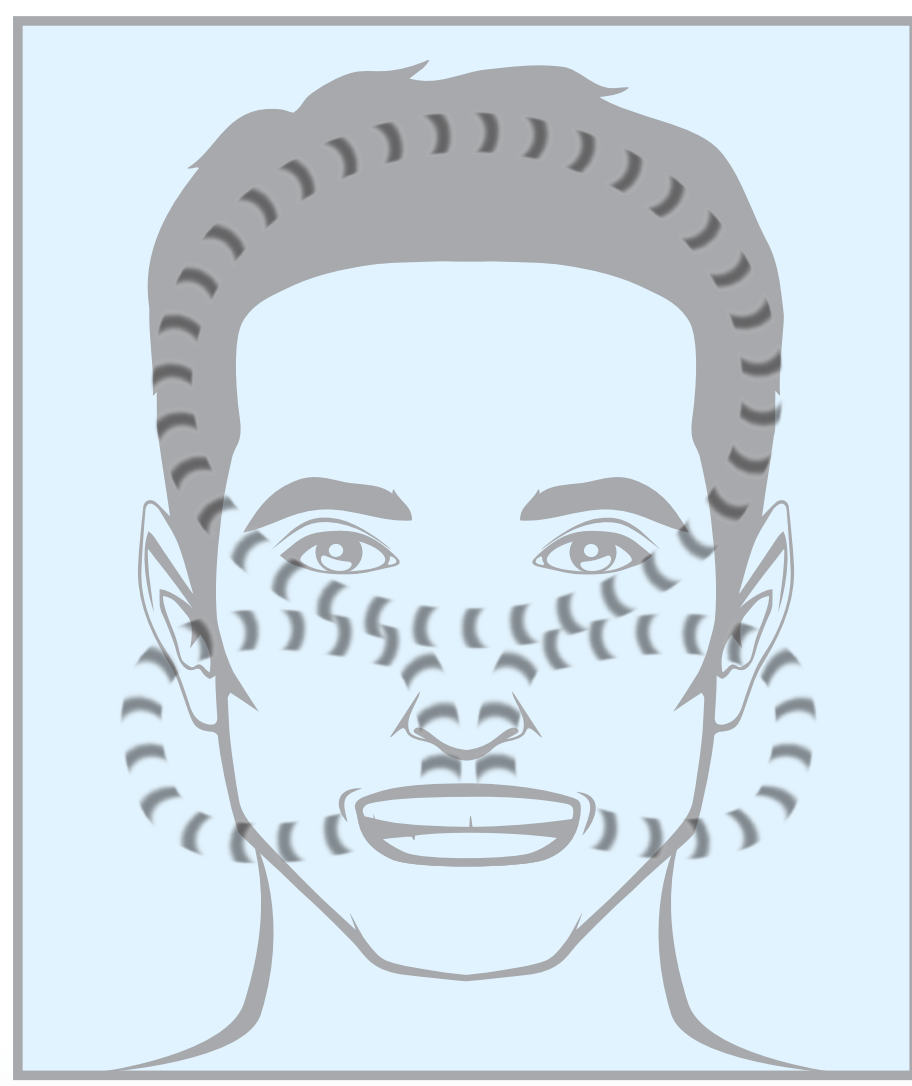


Work at Home

Just high quality voice with no ambient sound.

Vesper Voice Accelerometer does just that.

What is a Bone Conductor Sensor?



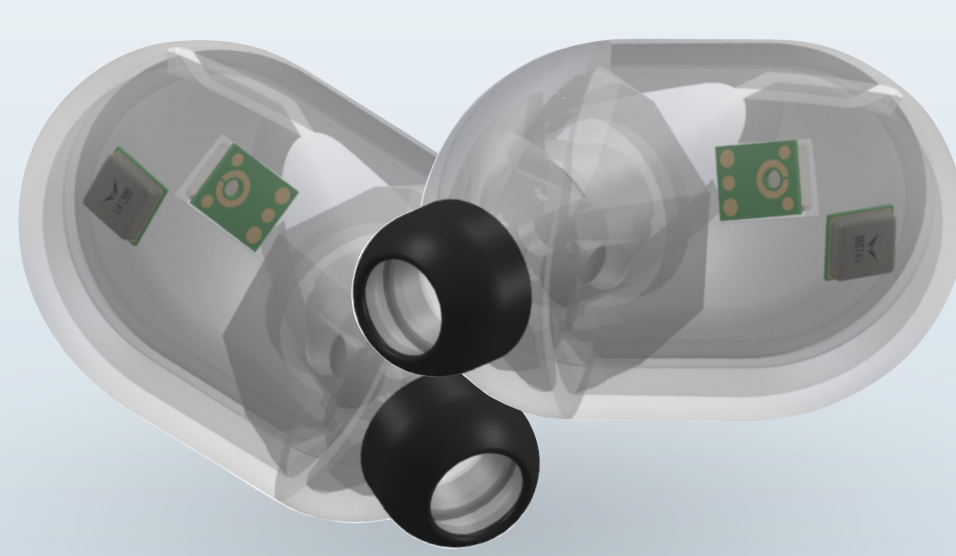
When you talk, your voice spreads through the air as sound, **and inside your skull as vibration.**

Through earbuds, a bone conductor sensor picks up your voice vibration, and unlike a traditional microphone, **automatically filters out all ambient noise.**

Vesper OnePlusOne Voice is the solution

Vesper OnePlusOne is the combination of one Microphone plus one Voice Accelerometer and Fusion Library.

This "turn key" solution and architecture is already supported by the largest Bluetooth chipset, partners and leaders in the TWS market.



The Signal in the Noise

By employing bone conductor sensors, Vesper-powered earbuds deliver **consistent, high quality voice calls** in the noisiest of environments.

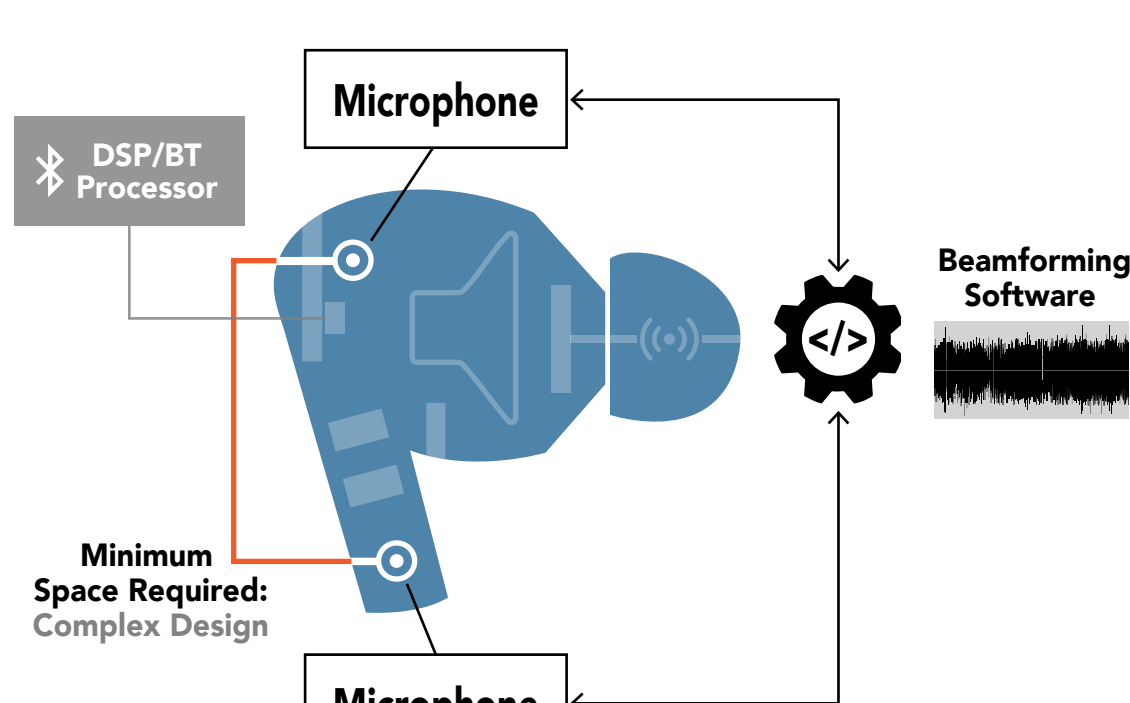


OnePlusOne's vastly improved call quality is accompanied by **lower power consumption, intrinsic voice authentication and automatic mute/unmute features.**

Vesper is simple. There's no need for traditional microphone acoustic ports and meshes — **OnePlusOne simplifies design** with minimal algorithm (software) and hardware complexity.



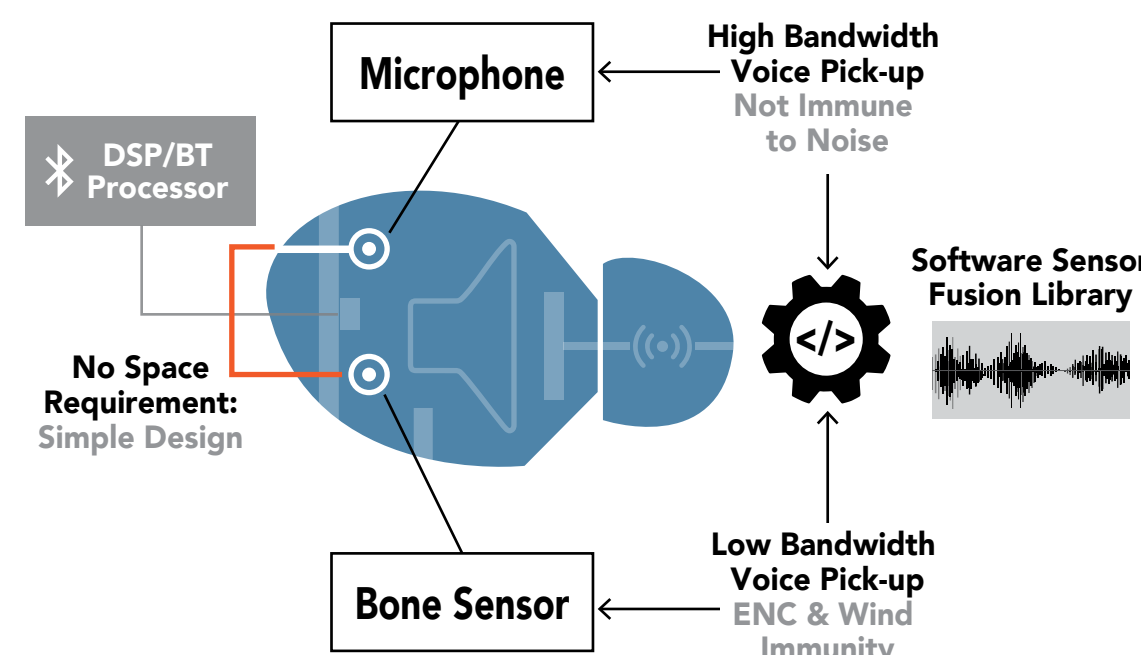
The OnePlusOne Advantage



Traditional solution with Beamforming

- Detect user's voice and ambient noise equally
- **Spacing requirements** between the two microphones add complexity to the ID

Result: An inconsistent, noisy call



Vesper OnePlusOne

- OnePlusOne = One microphone and one accelerometer
- Voice Accelerometer (or Bone Sensor) delivers low bandwidth voice pickup
- Microphone delivers high bandwidth voice pickup
- Both are combined through the software sensor fusion library, removing ambient noise

Result: A premium high quality call

Learn More
vespermems.com

