



Press Release

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Knowles Teams up with Mimi to Deliver Customized, Immersive Audio for Breggz

ITASCA, Ill., October 31, 2024 — Knowles Corporation (NYSE: KN), a leading global supplier of high-performance electronics for demanding applications, including capacitors and radio frequency (“RF”) filters, advanced micro-acoustic microphones, and balanced armature speakers, has teamed up with Mimi Hearing Technologies, the provider of the number one hearing test app on the market and a global leader of sound personalization software, to create innovative solutions for audio devices, such as true wireless stereo (TWS) earbuds, in-ear monitors (IEMs), headphones, and more.

The Breggz™ ZOHN-1 in-ear computer is the first hearable device to market that incorporates this cutting-edge combination of Knowles and Mimi technologies, delivering a breakthrough in premium, personalized and immersive listening. The ZOHN-1 technology combines Knowles balanced armature (BA) drivers and Mimi’s sound personalization software to enable users to experience finely tuned, high-quality sound personalized to their hearing profile, offering a new standard in hearing health and sound experience.

“By integrating Knowles’ advanced balanced armatures and Mimi’s sound personalization software, we are able to deliver a fully customizable sound experience with the Breggz ZOHN-1,” said Breggz Founder Xander de Buissonje. “This combination allows us to offer a full-spectrum sound that immerses listeners in every note, pitch, and tone—from rich bass to clear highs—personalized precisely to each user’s unique hearing profile. The result is professional-grade sound, tailored for your ears only.”

The average consumer spends over four hours daily consuming audio for entertainment, work, school, and voice calls. Wireless earbud manufacturers compete to meet this demand with high-quality audio, voice capture and personalized listening experiences. However, there is an adjacent need to protect users from hearing loss associated with both increased audio consumption and age. The technologies from Mimi and Knowles work together to tackle both needs – helping consumers get the best listening experience from their wireless headphones while simultaneously compensating for mild to moderate levels of hearing loss to reduce further damage to the user’s hearing.

“Hearing ability is unique and changes over time – influenced by age, health conditions, genetic factors, and increasingly listening behavior. We use glasses to see objects more clearly and reduce fatigue, so why don’t we use technology that can do the same for our hearing?” said Mimi CEO Florian Schneidmadel. “By offering a precise hearing test and hearing ability-based sound personalization for each individual, we are democratizing the access to healthier listening features and improved sound experiences. Our solution, combined with Knowles balanced armature technology, allows manufacturers of wireless headphones to add hearing health features to their products and help all end users enjoy every detail and richness of the sound that balanced armature tweeters can reproduce.”



Using Mimi's sound personalization software, listeners can identify and tune their audio output to the frequencies that will best suit their hearing abilities and preferences. Meanwhile, Knowles BA drivers can dramatically increase the high-frequency sensitivity of wireless earphones, packing incredibly detailed and accurate sound within a tiny component. Together, these technologies enable designers to configure their devices for precise hearing personalization and compensation to produce the optimum sound quality across the range of hearing abilities and preferences.

“Audio technology is improving rapidly – lossless streaming services are proliferating, and hearing health and premium audio are converging. To empower consumers to take advantage of these improvements, we have invested significant time and resources into understanding how to deliver the best-sounding audio from wireless earbuds,” said Jon Kiachian, President of Medical and Specialty Audio at Knowles Corporation. “Knowing that treble boost and hearing personalization are essential to delivering that experience, we’re excited to see our BAs working together with the Mimi personalization software to allow people to hear the fullest potential of their sound. Together, Mimi and Knowles will help earbud designers create truly immersive, personalized listening experiences for their consumers.”

TWS manufacturers can add Knowles BAs and Mimi's Sound Personalization software to wireless earbuds, allowing listeners to tune the audio to their unique hearing while creating safer listening practices for consumers. Breggz ZOHN-1 showcases this capability, delivering a sound experience tailored to the listener's hearing profile and ensuring a premium listening experience with personalized sound clarity and enhanced detail.

To learn more about Knowles premium sound solutions, visit www.knowles.com/applications/ear-solutions/premium-sound.

Learn more about Mimi by visiting <https://mimi.io/>. Breggz ZOHN-1 is available to order at <https://breggz.com/>.



About Knowles

Knowles is market leader and global provider of high-performance capacitors and radio frequency ("RF") filtering products, and advanced micro-acoustic microphones and balanced armature speakers, serving the medtech, defense, electric vehicle, and industrial markets. Knowles' focus on the customer, combined with unique technology, proprietary manufacturing techniques, and global operational expertise, enables us to deliver innovative solutions across multiple applications. Founded in 1946 and headquartered in Itasca, Illinois, Knowles is a global organization with employees in 11 countries. For more information, visit knowles.com.

About Mimi

Founded in 2014 in Berlin, Mimi is a global leader in sound personalization technology, enabling everyone to enjoy richer, more immersive audio tailored to their individual hearing. Mimi's innovative software is integrated into consumer audio devices such as headphones, TVs, and smartphones, allowing sound to be optimized to the listener's unique hearing profile. The company's renowned Hearing Test App is the leading digital solution on the market and powers the world's largest database of digital hearing profiles. Mimi continues to push the boundaries of personalized audio, redefining how people experience sound across a wide range of devices. For more information, visit <https://mimi.io/>.

About Breggz

Breggz is redefining the luxury audio experience with its fully custom-made, wireless in-ear computers. Combining premium sound quality with sleek, modern aesthetics, Breggz offers uncompromising audio performance. With its ZOHN-1 hearables, Breggz delivers a full-spectrum, personalized sound experience tailored to each listener's unique hearing profile. These custom-made devices go beyond traditional audio by offering smart, voice-activated features that provide a hands-free, immersive experience. Breggz is committed to pushing the boundaries of high-end audio, creating products that are as innovative as they are luxurious.

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