



OpenPR (2026-01-22)

Press release from: Well Being Digital Limited

WBD101 Mogo™ Sleep Algorithm enables Z500 Pro Sleep Earbuds from WXQZXO to monitor Sleep Metrics and Insights from Sleep Positions for Better Sleep Wellness



WXQZXO Z500 Pro Sleep Earbuds with WBD101 Mogo™ Sleep Algorithm

Quality sleep is vital to global health, with organizations such as the World Health Organization highlighting insufficient rest as a growing concern. Short term consequences include stress, reduced productivity, and impaired performance. Over the long term, disrupted breathing during sleep-often signaled by chronic snoring and reduced oxygen intake-has been linked to serious conditions such as dementia and cardiovascular disease. For some individuals, simple changes like adjusting sleeping position can help keep the airway open, reduce snoring, and improve oxygen intake, supporting better long-term health.

As global awareness of sleep's impact on health continues to rise, the sleep device market is entering a new phase of innovation. A distinct category of devices- sleep earbuds designed to enhance rest, comfort and guidance - is gaining momentum and is projected to reach 15 to 16 million units worldwide by 2026, comparable to the market size of other sleep monitoring only devices but with faster YoY growth. This surge underscores both the growth of sleep earbuds as a category and the appetite for solutions that



combine sleep monitoring and supportive features such as audio-interventions and sleep position insights.

Well Being Digital (WBD101) is glad to announce that a new class of sleep earbuds by WXQZXO has adopted its Mogo™ sleep algorithm suitable for side sleeping that can mask disturbance through built-in white noise, monitor sleep metrics including total sleep time, wake time, sleep time, sleep stages and the number of wakes, and is the world's first few consumer sleep earbuds that can give you a breakdown of your sleep positions.

The Z500 Pro is a tiny pair of earbuds that is comfortable for side sleepers, WBD101 Mogo™ sleeping algorithm has been tested against market leading products to show very high accuracy in detecting sleep metrics. "Developed over the years and validated via multiple Sleep Monitoring Trials (<https://www.wbd101.net/post/well-being-digital-wbd101-completes-multiple-advanced-sleep-monitoring-trials-with-second-by-second>) with partners like TsingHua University and Chinese University of Hong Kong," said Wallace Wong, Co-Founder and CTO of WBD101 <https://www.linkedin.com/in/wallace-wong-4157531/>, "we managed to achieve very high accuracy of sleep metrics even with an accelerometer-only design".

Multiple published studies highlight the value of understanding sleep positions, noting how awareness can provide meaningful insights into overall wellness. Tracking sleep positions has been associated with improvements in everyday comfort, including breathing ease and reduced snoring. "By translating sleep positions insights into actionable lifestyle hacks" said Kow Ping, Co-Founder and Executive Director of WBD101 <https://www.linkedin.com/in/kowping/>, "we hope to empower individuals to make simple adjustments that can contribute to more a restorative rest and better daily well being".

The WXQZXO Z500 Pro Sleep Earbuds is available on Amazon (<https://www.amazon.com/Bluetooth-Headphones-Earplugs-Sleepers-Earphones/dp/B0G7GCBW62>), it weighs 3g, supports HiFi Stereo sound with the latest Bluetooth 6.0, is lightweight, comfortable and supports up to



8 hours on a single charge. Suitable for men trying to sleep sideways for better breathing during sleep, or women trying to mask off noisy environment. Colors available in Rose Pink, Black and Blue.

Contact Well Being Digital Limited (WBD101)

Unit 212, 2/F, 1 Hong Kong Science Park East Ave, Shatin HK

+85235719877

Email for more information at salesint@wbd101.com

About Well Being Digital (WBD101)

Founded in 2012, WBD101 is a Hong Kong based company whose first patents are dated back to 2008, incubated by the Hong Kong Science and Technology Parks Corporation (HKSTP), it has offices in HKSTP and Shenzhen to provide very timely support to B2B customers during their product designs, testing and production stages. WBD101 provides Optical Designs (OpticalFusion™) and Health-Sensing Algorithm (ActivHearts™ and Mogo™) to earbuds brands looking to develop smart hearables, it also co-develops Bluetooth SDK with brands to enable optimized Bluetooth IC resources. WBD101's technology has been licensed by several consumer earbud brands and many others in the Fitness/HealthTech/MedTech space.

Over the years, WBD101 won numerous international awards including the Best Wearable Mobile Tech Awards at the Mobile World Congress 2016, Special & Gold Awards at the 43rd Geneva Inventions Conventions, 2016 WITSA Global ICT Award, the inaugural HK City I&T Grand Challenge Innovation Award in 2022 and the 2025 EE Innovation R&D Award (Most Promising Product). Visit <http://www.wbd101.net>

This release was published on openPR.