

Booth No. 8.1B41-5

mpWAV Inc.



mpWAV
Create the Masterpiece Wave!

Year Established	2020		Type of Business	Software Dev. and Manufacturing
Website	https://mpwav.com/		Main Export Countries	United States, Europe, China
SNS	LinkedIn: https://www.linkedin.com/company/99199377/admin/feed/posts/?feedType=following			
Main Customer	Domestic Customers		International Customers	
	Many Companies Including Conglomerates		Conglomerate(Confidentiality)	
The Person In Charge	Name	Department	Position	
	Hyung-Min Park	CEO	CEO	
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Company Description

mpWAV Inc. has successfully developed and commercialized various voice interface solutions based on core technologies for speech enhancement and recognition usable in real-world complex noise environments. ClearSense Audio has been highly praised for its innovative approach and differentiated performance, enhancing users' quality of life and realizing social values.

Product

ClearSense Audio, a hearing assistant app

Function and Usage : ClearSense Audio will revolutionize the industry of hearing aids. Utilizing user-owned smartphones and earphones, ClearSense Audio helps users hear clear sounds at an affordable price by achieving exceptional noise reduction of about 25 dB on average while preserving the quality of desired sounds. By addressing the limitations of expensive and uncomfortable hearing aids, such as amplified sound discomfort and conspicuous appearance, it allows even general users to enjoy hearing assistance experiences as needed like conversations in noisy environments.

Marketing and Selling Points : ClearSense Audio is more than an alternative to traditional hearing aids; it's a comprehensive mobile app designed to improve hearing experiences in noisy environments for a broad range of users. Priced at just \$3 a month, this app transforms user-owned smartphone and earphones into an advanced hearing assistance system. This provides a cost-effective substitute for pricier professional hearing aids. Utilizing the unique mpWAV's technology, ClearSense Audio excels in noise reduction without distorting target sounds. With an intuitive interface on user's mobile device, it is an innovative solution that enhances hearing by providing comfortable and clear sounds through easy operation.

mpAB - Preprocessing solution for robust speech recognition

Function and Usage : mpAB is our latest voice interface solution based on core technologies for speech enhancement and recognition usable in real-world complex noise environments. By simultaneously removing ambient noise signals and echo signals from the device's speaker that return to the microphone, while keeping the user's voice undistorted, excellent speech recognition performance can be achieved even in general-purpose speech recognition systems. The solution can be applied to most devices with voice interface, including smart homes, smart cars, robots, kiosks, and voice chatting.

Marketing and Selling Points : Unlike conventional methods, which require new tuning whenever the number and position of microphones change due to design reasons, our product itself performs automatic optimisation to achieve optimal performance without tuning. In addition, since it achieves negligible speech distortion, even in a noise-free environment, the recognition performance is higher than the input microphone signal in a general-purpose speech recognition system, so users can easily develop and apply the voice interface of their products in various real-world noise environments without being conscious of the preprocessing. Hardware modules can be provided as needed to facilitate the development of various products.

