

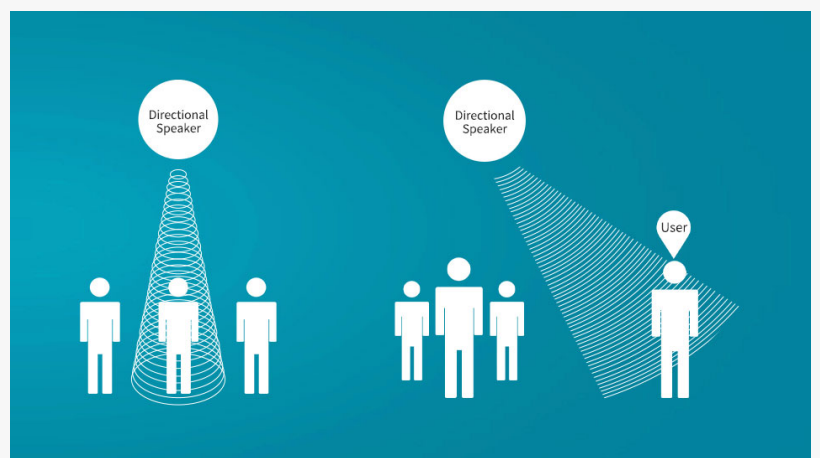
Exploring the Unique Capabilities of Audfly's Directional Speakers: Precision Sound for Modern Applications

SUZHOU, JIANGSU, CHINA, August 16, 2024 /EINPresswire.com/ -- [Audfly Technology](#), known for its innovative audio control solutions, has developed a range of ultrasonic directional speakers tailored for various environments. These speakers leverage ultrasonic frequencies to deliver sound with precision, offering enhanced control and clarity in targeted audio applications.

Traditional loudspeakers disperse sound across a broad area, often leading to unwanted noise and sound pollution. Audfly's ultrasonic directional speakers, however, operate on a different principle. By using an array of piezoelectric transducers, these speakers generate high-frequency sound waves that travel in a focused beam, similar to a laser. This unique approach ensures that sound is only heard by those directly in the beam's path, leaving surrounding areas quiet and undisturbed.

Applications Across Industries

Audfly's directional speakers are designed for a wide range of applications. In commercial environments, they can be used to



directional sound effect



Model X2 Directional Speaker

create targeted audio zones, allowing businesses to engage customers with personalized messages without adding to the overall noise level. In public safety and security systems, the speakers provide clear, focused audio alerts that minimize disruption to surrounding areas. Additionally, they offer a perfect solution for museums, galleries, and retail spaces where multiple audio tracks need to coexist without interference.

Innovative Virtual Sound Source Creation

One of the standout features of Audfly's ultrasonic directional speakers is their ability to create virtual sound sources. By precisely controlling the direction and focus of sound waves, these speakers can simulate the presence of a sound source in a specific location, even if the speaker itself is not visible. This capability opens up new possibilities for immersive audio experiences in virtual reality environments, theme parks, and advanced gaming setups, where accurate sound localization is crucial for creating a fully immersive experience.

Enhanced TV Voice Assistance

Audfly's ultrasonic directional speakers also bring significant enhancements to TV voice assistance systems. For users with hearing impairments or in noisy environments, these speakers can deliver clear, focused audio directly to the listener, ensuring that voice commands and speech are heard with perfect clarity. This targeted audio delivery system eliminates the need for high volume levels, reducing the risk of disturbing others in the room while providing a more comfortable and accessible listening experience.

Health and Environmental Benefits

Noise pollution is a growing concern in today's urban environments, with significant impacts on human health. Audfly's ultrasonic directional speakers address this issue by minimizing sound spillover, thus reducing overall noise levels. This technology not only enhances the listening experience but also contributes to a quieter, healthier environment.

Innovative Features

- **Directional Sound for Specific Displays:** Target sound precisely where it's needed, ensuring that only the intended audience hears it.
- **Multiple Audio Streams Without Interference:** Play several audio tracks in the same space without overlapping or causing disturbances.
- **Virtual Sound Source Creation:** Generate realistic, location-specific sound effects in virtual environments, enhancing the immersive experience.
- **Private Listening Experiences:** Ideal for healthcare settings, where patients can listen to audio privately without the need for headphones, reducing the risk of contamination and discomfort.
- **Enhanced TV Voice Assistance:** Provide clear and direct audio for TV voice commands, making it

easier for users with hearing impairments or in noisy settings to enjoy their entertainment without increasing overall volume levels.

- Enhanced Retail Experiences: Attract and engage shoppers with directional sound that doesn't contribute to the overall noise level of the store.

Product Models

- FS-Mini
- [FSC3-X2](#)
- [FSC5-B1](#)
- FSC5-B2
- FSC3-R2
- FSC2-L1
- Alpha160 – Integrated Application Module

About Audfly Technology

Audfly Technology is dedicated to pioneering advancements in audio technology. With a focus on creating innovative solutions that enhance the way people experience sound, Audfly's products are designed to meet the diverse needs of customers across various industries. From commercial applications to personal listening, Audfly's directional speakers represent the future of focused, personalized audio.

For more information, please visit Audfly's website or contact

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