

Audfly Launches FocusAura™ at CES 2026: The Dual-Directional Voice Interaction Solution for AI Avatars and Kiosks

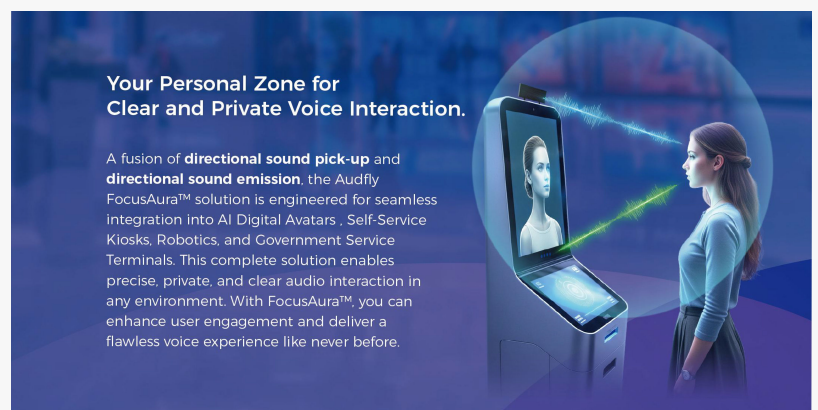
LAS VEGAS, NV, UNITED STATES,
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EINPresswire.com/ -- Audfly, a global leader in directed audio technology, today unveiled Audfly FocusAura™, a revolutionary comprehensive solution designed to solve the critical challenge of voice interaction in public spaces. By fusing [directional sound](#) emission with advanced [directional sound pick-up](#), FocusAura™ creates a precise, noise-free "Personal Audio Zone," enabling seamless communication for AI digital avatars, self-service kiosks, and robotics.

The Problem: Public Noise vs. Private Interaction As AI assistants and smart terminals move into high-traffic areas like banks, airports, and hospitals, they face a dual challenge: background noise makes it hard for the machine to hear the user, and sound leakage compromises user privacy.

The Solution: Hear and Be Heard—Precisely Audfly FocusAura™ addresses this by integrating two core technologies into one seamless module:

Directional Sound Emission (The Speaker): Using Audfly's proprietary Alpha Series technology, the system beams audio directly to the user. The



Audfly FocusAura™ – An integrated solution combining directional voice pickup and directional sound emission, enabling clear and private human-machine interaction.



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sound pressure drops significantly—by 20dB just 15 degrees off-axis—ensuring that sensitive information remains confidential and does not disturb the surrounding environment.

Directional Sound Pick-up (The Microphone): The solution features the DS-M602 module, an advanced microphone array with a precise 30° pickup angle (Horizontal $\pm 15^\circ$).

Powered by a Deep Neural Network (DNN), it actively filters out background noise (like music or crowds) and focuses exclusively on the user standing 1 to 3 meters away.

Key Applications: Creating a "Private Zone" in Public "FocusAura™ is more than just hardware; it is the missing link for effective AI deployment in the real world," said a spokesperson for Audfly. "It ensures that a user interacting with a banking kiosk or a government service terminal feels like they are in a private room, even in the middle of a busy hall."

The solution is engineered for:

AI Digital Avatars: Ensuring natural, glitch-free conversations with virtual assistants.

Self-Service Kiosks: Protecting user data in banking, healthcare, and government terminals.

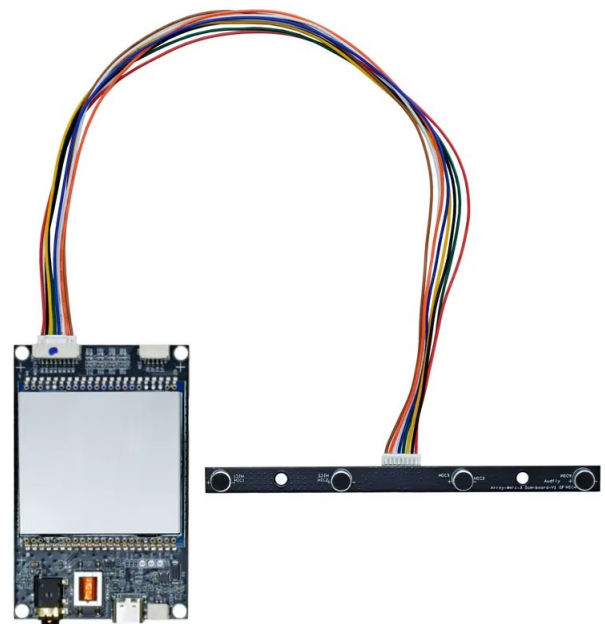
Service Robotics: Allowing robots to hear commands clearly in chaotic environments.

Technical Highlights for Integrators
Audfly has designed FocusAura™ for effortless integration into existing commercial designs.

The directional emission panels are scalable (a single amplifier can drive up to 8 panels), and the pickup module features a simple Type-C interface with low power



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consumption (below 2W).

Invitation to Experience Audfly invites developers, system integrators, and media to experience the "Personal Audio Zone" firsthand at CES 2026. Visitors can test the dual-directional capability live, witnessing how the system isolates voice input and output even in the noisy environment of the trade show floor.

Event Details:

Date: January 6–9, 2026

Location: Bellagio Hotel & Casino, Las Vegas

Venue/Suite: Exclusive showroom at Bellagio (By appointment only)

About Audfly: Audfly is a global leader in audio innovation and a pioneer in directed audio technology worldwide. Its groundbreaking Focusound Screen® technology, a transparent film-based directional sound solution, has transformed the integration of audio into consumer electronics. Expanding beyond screens, Audfly also provides versatile [directional speaker modules](#) and dual-directional voice interaction solutions tailored for digital signage, kiosks, and intelligent terminals. By creating a personal soundscape with enhanced privacy, immersion, and audio-visual enjoyment, Audfly redefines user experiences across consumer and professional markets.

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