

ListenWIFI for Campus-Wide Audio



About

A higher education institution serving undergraduate and graduate students across multiple classrooms, auditoriums, and student spaces sought to enhance accessibility and improve audio delivery campus wide with an assistive listening system. The institution supports diverse learners, including students with hearing challenges, international students, and those attending large lectures or events.

Challenge

The institution struggled to deliver clear, accessible audio across large lecture halls and multi-purpose spaces as students traveled from classroom to classroom. IT and AV teams needed something that is scalable and secure while faculty was looking for a way to support multilingual content and ensure students could clearly hear lectures from anywhere in the room. All this while making it seamless, easy for students to connect as they move around campus, and use their existing smartphone and earbuds.

Solution

The institution deployed ListenWIFI across classrooms, key lecture halls, and auditoriums, leveraging its ability to stream live audio over the existing campus Wi-Fi network. Audio from classroom microphones and AV systems was routed to ListenWIFI servers, allowing students to listen in real time using their smartphones or institution-provided receivers. Beacons were installed in select classrooms to automatically connect users to the correct audio channel, while multilingual channel support enabled simultaneous language delivery when needed.

Result

After implementation, the institution significantly improved accessibility and audio clarity across all classrooms and spaces across the campus. Students reported better comprehension during lectures, particularly in large classrooms and acoustically challenging spaces. The scalable design allowed the IT and AV teams to expand coverage to additional rooms without major infrastructure or security changes. Faculty gained flexibility to support multilingual instruction and special events, while accessibility services benefited from a modern solution that reduced reliance on legacy hardware distribution. Overall, the institution enhanced the learning experience, supported inclusive education initiatives, and improved operational efficiency across campus AV systems.

List of Products Used



- **LW-120-02-09**
ListenWIFI
Audio Server



- ListenWIFI
Mobile App
(iOS and
Android)



- **LWR-1050**
ListenWIFI
Receivers



- **LA-490**
ListenWIFI Beacons
(for location-based
channel triggering)

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