Access Technology Communications Platform

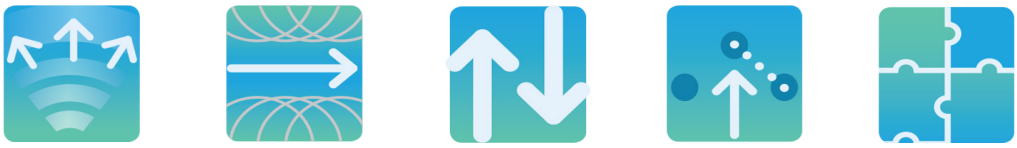
Hear and Learn's Access Technology for every Learning Space

Access Technology is a digital wireless communication solution that combines proven 1.9 GHz DECT transmission protocols with advanced digital signal processing. Unlike traditional analog radio frequency transmission, Access uses frequency hopping spread spectrum to avoid interference.

TRANSMISSION
1.9 Ghz, Frequency Hopping & Rf4ce Data Transmission

INTELLIGENCE
Digital Signal Processing

KEY BENEFITS



- Longer range reception for large, open areas
- No impact to wi-fi networks, & no interference
- Bi-directional audio communication between teacher & students
- Dynamic selection & redirection of audio devices
- Scalable platform to build & grow as instruction evolves

How It Works:
During operation, Access regularly checks the quality of service to ensure optimum performance without interference. Should it find that the RF environment has changed, it will hop to another frequency that offers a clearer signal. This frequency hopping is completely automated and imperceptible to the user.

Comparison To Other Digital Transmission:
Access operates in a dedicated 1.9 GHz band and was designed specifically for audio applications. This creates two distinct advantages over common spread spectrum technologies like Bluetooth, Wi-Fi and others that operate at 2.4 GHz, including:

- Clear operation and immunity to interference: there is no competition with 2.4 GHz Bluetooth and Wi-Fi devices like headsets, computer mice and keyboards, and wireless routers; as well as RF remote controls, portable phones and even microwave ovens.
- Very short audio latency (delay): DECT ensures speedy transmission of the signal. Bluetooth devices carry as much as 10 times more latency (fine for data and cell phones), unacceptable in live, face-to-face audio applications.

Comparison To Infrared Transmission:

- No audio dropout due to loss of signal in large areas, rooms with windows or high ceilings, dark or soft surfaces. May even be used outdoors.
- No interference with other classroom technologies such as short-throw projectors, plasma screen TVs, motion detectors. Additionally, components of each system are uniquely paired together so other classroom audio systems will not interfere.
- Wireless connectivity for media sources.
- Scalable to meet the changing needs of the classroom. Compatible with Activate System for small group instruction.