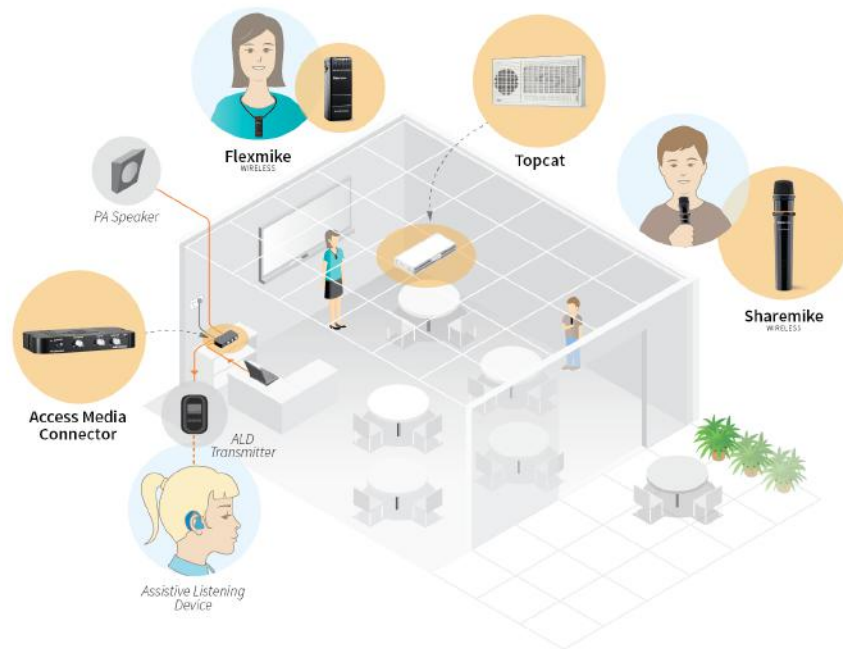
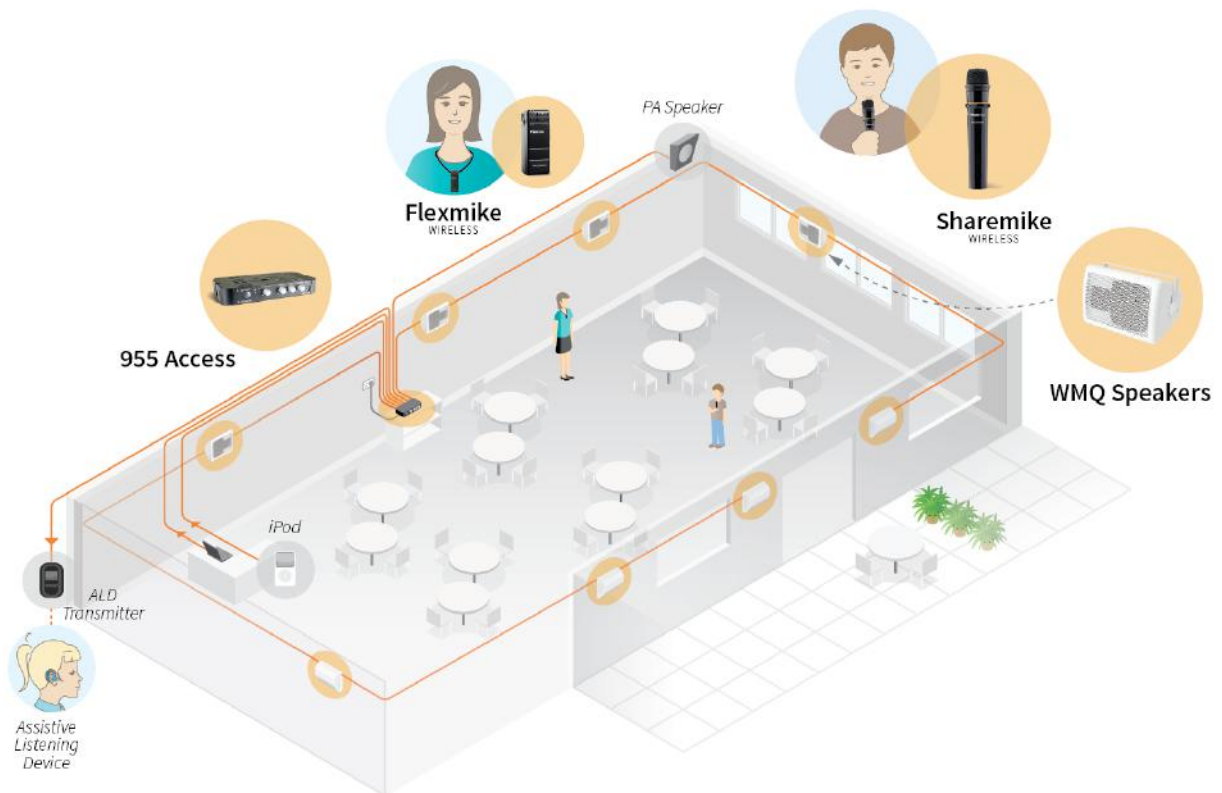


Which Hear and Learn Hub for every room?

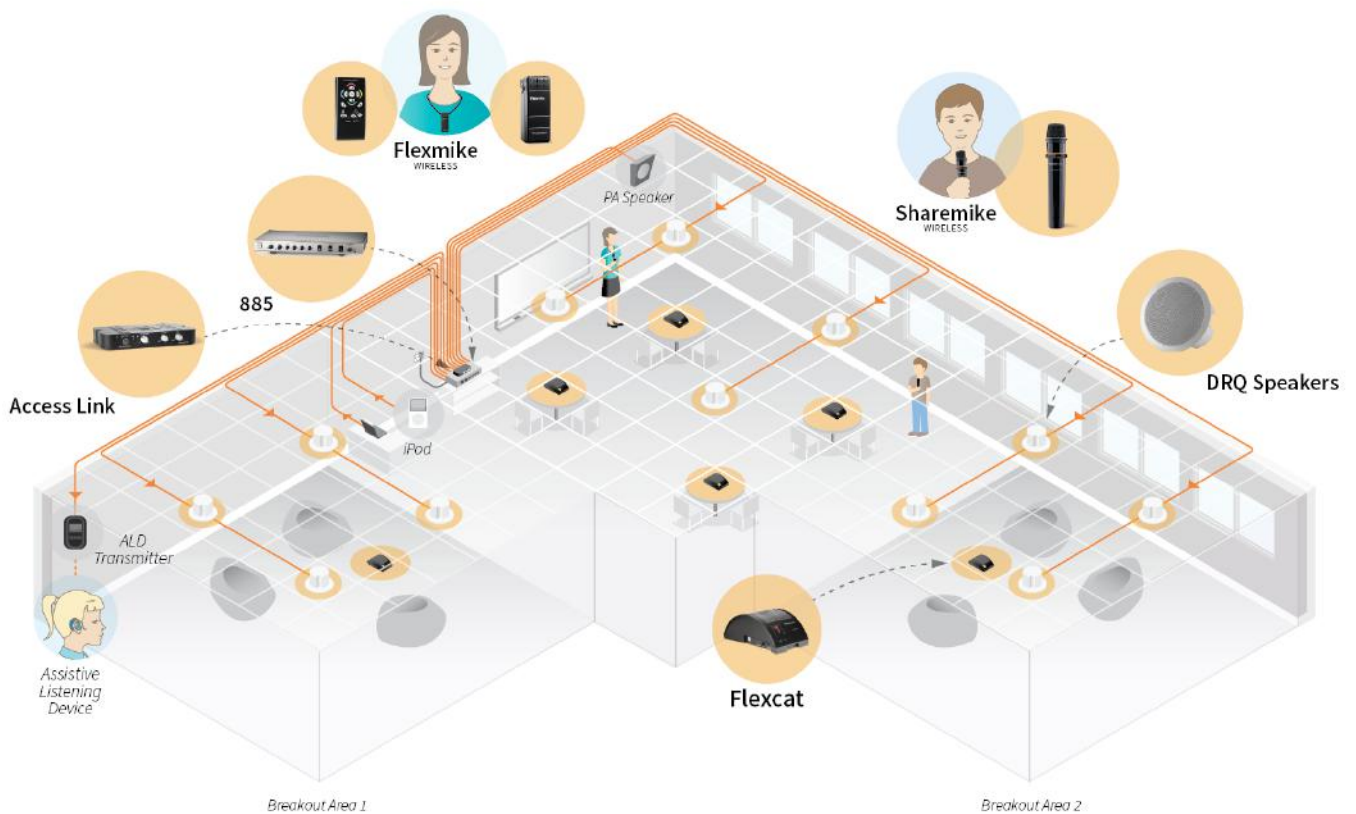
EXAMPLE ONE – NEW ROOM WITH A CEILING GRID



EXAMPLE TWO – NEW ROOM WITH A SOLID CEILING



EXAMPLE THREE – NEW AGILE LEARNING SPACE

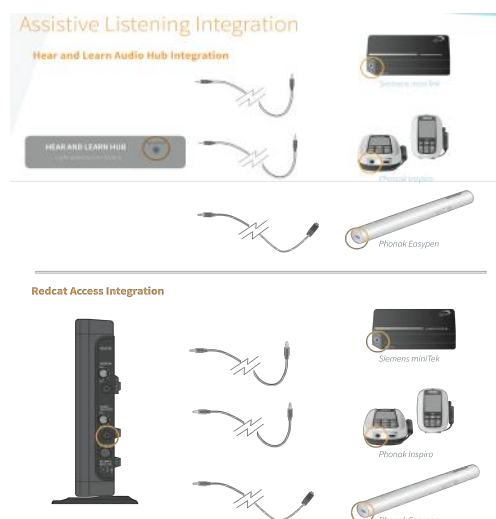


This is exclusive technology that compliments Differentiated / Collaborated Learning initiatives, and allows for more effective use of Agile Learning Spaces. Teachers, using a remote control and in future an App, can talk to whole groups (like other forms of our technology does) AND to individual groups of children who are sitting around a Flexcat Pod.

Flexcat Pods are self powered, cableless devices which receive voice messages of teachers (via a speaker built into the Pod), can be used to by the teacher to listen to students (via a microphone built into the Pod and a teacher worn earpiece), can be used to gain the attention of teachers (via a Call Button built into the Pod) and can be used for students to broadcast to the whole group.

Watch experiences of Australian educators at www.flexcathaslanded.com

AGNOSTIC, SOFTWARE FREE, ALL BRAND FRIENDLY CONNECTION WITH HEARING AIDS



NO COLLISION WITH EXISTING INFRASTRUCTURE

Access Technology Communications Platform

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 AND RF4CE DATA TRANSMISSION

INTELLIGENCE: DIGITAL SIGNAL PROCESSING

KEY BENEFITS:



Longer range reception for large, open areas



No impact to wi-fi networks, and no interference



Bi-directional audio communication between teacher and students



Dynamic selection and redirection of audio devices



Scalable platform to build and 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.

EASY INTEGRATION WITH PORTABLE TECHNOLOGY

This is exclusive technology that allows for connections of any sound source to our infrastructure. The connector can operate anywhere and can be powered by USB.

Further, all our microphones can have an appliance plugged into them.



Media Connector

Wirelessly integrate all classroom multimedia audio sources with ease. Computers, DVD players, MP3 players, etc. can be connected to the compact device which transmits the signal to an Access Technology audio system.

Description	Wireless audio transmitter
USB Power	5V mini-B USB connector
Wireless communication	Access Technology (1.9 GHz)
Tone control	1 bass/treble control
Audio input	3.5mm stereo (x4) w/ master volume
Audio output	3.5mm stereo (X2) mixed w/ volume control
Audio Link indicator	1 LED on front panel
Registration indicator	1 LED on back panel
Device Registration	Push button for Redcat Access
Dimensions (W x H x D)	7.6" x 5" x 1.13" / 193.04 mm x 127mm x 28.7mm

Access Technology and Assistive Listening Devices: Optimizing connectivity and performance.

The Hear and Learn Hubs allow for the connection of all inbuilt amplified sound sources including PA and Visual technology. Additionally, they connect to all other sound sources – the voices of teachers, the voices of students, the audio of any portable AV equipment – used now or in the future.

Various speaker options cater to all aesthetic and operational needs. Speakers can be installed into solid ceilings, tiles ceilings, or onto walls.

Classroom audio can be delivered by Hear and Learn Hubs to whole groups over the entire learning space, or to sections of a learning space, or to individual groups of children (including those in break out areas) using Flexcat pods.



“Teachers have made comments about how settled all the children are and that they are quicker than usual in responding to instructions” Primary School Principal February 2016

“Several students with high sensory needs in the class are similarly settled because the system doesn’t make everything 'louder' necessarily; it simply provides all students equal access to the teacher's instructions and therefore supports a greater level of engagement.” Primary School Principal February 2016

“The sound system has been a valuable tool within the classroom, benefiting all learners, particularly those with auditory processing or hearing impairments, ensuring they can hear the teacher as well as each other” Primary School Principal February 2016

“The installation of LightSPEED REDCAT Classroom Soundfield Systems at our school has resulted in improved learning by ALL students” Primary School Principal February 2016