



HEAR and LEARN

CLASSROOM SOUND ENHANCEMENT



Deliver
clear instruction



Activate
group learning



Reveal
learner thoughts



Augment
to all



HearAssist® iConnect mini! iConnect  Redcat Access.. Topcat Access.. 955 Access..

hearandlearn.com.au

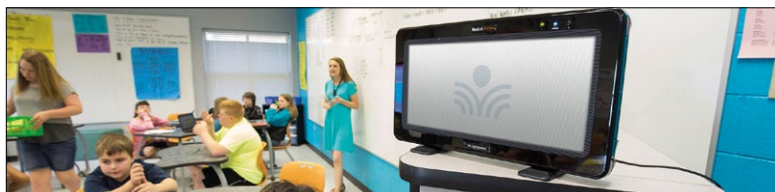
Redcat Access™

The simplest way to bring your natural voice to every student

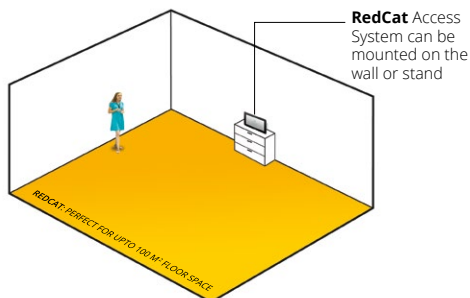
Powered by Lightspeed's Access Technology, **RedCat** Access is a simple-to use solution right out of the box.

The unique flat-panel design fills the room with amazingly intelligible speech, enabling all students to hear every word.

It works in any classroom configuration: high ceilings, glass walls and open spaces. There's no interference with wi-fi networks or other classroom technology.



Retrofit ready for standard classrooms



Redcat Access System
ALL-IN-ONE CLASSROOM AUDIO

Flexmike
PENDANT-STYLE WIRELESS MICROPHONE WITH C RADLE CHARGER



Sharemike
ADD A PASS-AROUND MICROPHONE FOR STUDENT PARTICIPATION



Lithium-ion Battery
OPERATE ANYWHERE FOR UP TO 10 HOURS



Topcat Access™

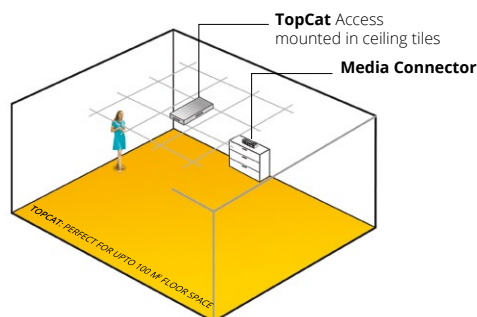
Easy-to-install, full-range audio for dynamic, media-rich classrooms

New instructional methods and flexible classroom configurations demands a modern, expandable audio platform. One that works on its own, or in concert with other devices while providing even distribution throughout the classroom. Powered by Lightspeed's proven Access Technology, **TopCat** is like no other audio system

Here's why: First, the unique hybrid speaker design combines flat-panel technology for amazingly intelligible speech, distributed evenly across the room, with a cone speaker to deliver full-range sound for multimedia.

Second, it plays well in the evolving classroom. **TopCat**, with Access Technology, virtually eliminates interference with other classroom technology and provides wireless connectivity for media sources.


Retrofit ready for standard classrooms & great for newbuilds



Media Connector
CONNECT LAPTOPS AND OTHER AUDIO SOURCES



RedCat & TopCat grows with your instructional needs. As a part of a growing ecosystem, it enables all types of student-centred learning, such as small group instruction & project-based learning. **See Page 5**



Activate Ready

SoundHouse Ready
Secure, store & give style to your Hear and Learn equipment. **See Page 6**




"The Hear and Learn technology enables children to hear not only the sounds of words crisply clear, but the formation of sounds, and that's very important for young children when they're learning words and how to pronounce them. These children are accumulating the beginnings of language at his level. They are learning about initial language, how it sounds and the blends of sounds, so it's vital they are able to clearly distinguish those sounds."

Paula. Leschenault Catholic Primary School, WA

955 Access™

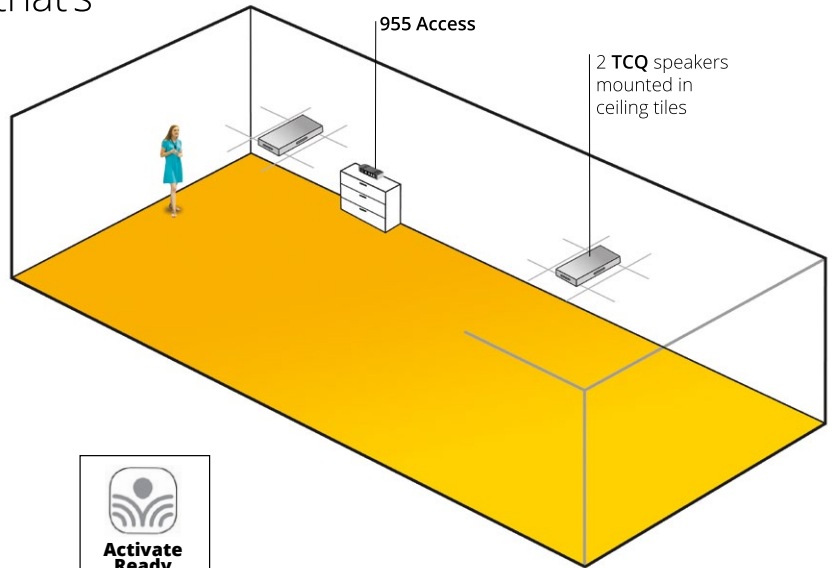
The 955 Access is a powerful classroom amplifier. But that's just the beginning.

It's also an advanced media control center that can easily integrate all your audio sources and deliver high-quality audio for every student.

It's powered by Access Technology, which means it can seamlessly connect to other Access Technology components. That makes it easy to expand to enable new methods of instruction.

This versatile solution connects to a variety of different speaker options to excel in a variety of different applications - whether it's classrooms, open areas or large spaces - with no audio dropout or interference.

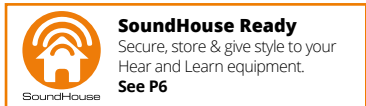
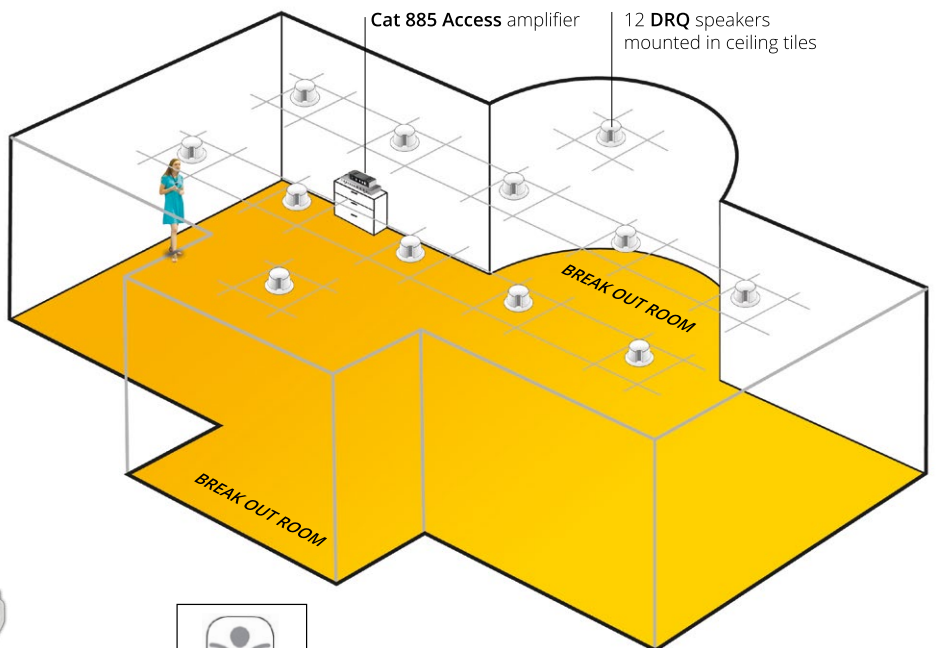
955 & 885: Perfect for large/agile/collaborative learning spaces



Cat 885

The 885 Access caters for large agile spaces to cover all areas.

Where we need to spread audio into break out areas, presentation spaces and the like, the 885 Access powers multiple speakers. It allows for whole group instruction to the entire space, and zones within it.



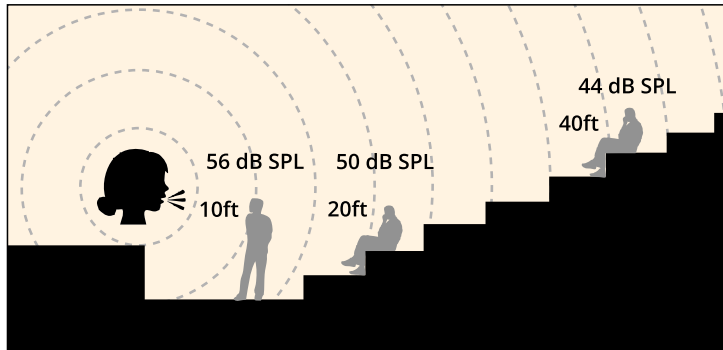
See more at hearandlearn.com.au/soundfield-solutions



"We use the RedCAT system to make our learning environment as conducive as possible for as many students as possible," says Mr Carter. "If you can hear, you can learn. It's as simple as that." "There are lots of benefits for students using the RedCATs." says Ms Snelgrove. "Students have different hearing abilities with varying language concentration. It's important to support student engagement, encourage interaction with their peers, and highlight explicit teaching points and times." Casino Public School

Why adopt **Hear and Learn** technology?

The Enemy of Clear Hearing



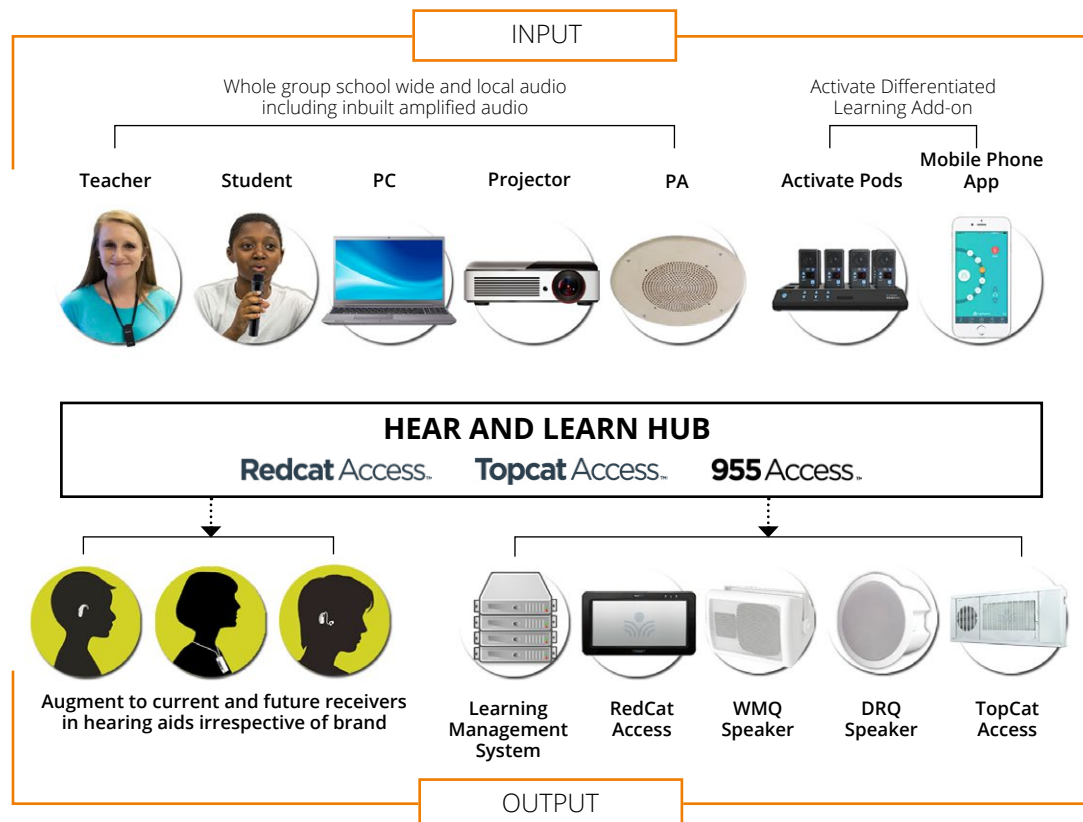
Distance between a listener and an orator is one main enemy of clear hearing. "As speech sound travels away from the talking it loses 6db of amplitude for every doubling of distance." Smaldino, J. J., Flexer, C (2012) Handbook of Acoustic Accessibility-Best practices for Listening, Learning, and Literacy in the Classroom. Thieme p20.



"A large number of studies have reported on teacher preference for classroom audio distribution systems (CADS), including studies describing potential vocal health benefits for the teacher when an amplification system is used regularly."

"Edwards and Fuen (2005) found that school teachers using CADS reported less vocal strain and greater voice clarity compared with experiences without amplification." Smaldino, J.J., C.(2012) Handbook of Acoustics Accessibility – Best Practices for Listening, Learning, and Literacy in the Classroom. Thieme p60

With Hear and Learn, what goes in goes out



See more at hearandlearn.com.au/proof

"This type of system is considered appropriate to the classroom spaces as it provides the benefit of transmitting the signals to the whole of the space concerned. It improves the sound delivered to all occupants not just those with a hearing impairment. This is significant where the source of the sound is some distance from the listener and reduces strain on both vocals and hearing. The system is noted to also provide additional functionalities to assist those with a hearing impairment by the use of personal devices such as ipods and the like." Extract from building surveyor compliance report 2017

Activate System

Listening for insights to activate learning

Engage the whole class. All students must have equal access to the teacher's direct instruction so they can hear, understand and gain insight that leads to higher learning.

Activate group learning. Teachers must be able to listen to student discussions in today's active classrooms. With real-time feedback into the learning process, teachers gain insights needed to activate learning.

Collaborate and share ideas. Teachers need to review their own instruction along with critical student learning moments for self-reflection and collaboration with peers and coaches. Insights shared among educators elevate everyone's skills.



Activate Pods

2-WAY AUDIO PODS ENABLE THE TEACHER TO LISTEN TO STUDENT GROUPS

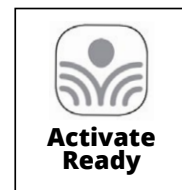


Activate Station

CHARGES AND CONNECTS TO MOBILE DEVICES VIA BLUETOOTH FOR CONTROL AND AUDIO STREAMING

Activate App

CONTROL, CONNECT AND CAPTURE STUDENT GROUPS AND THE WHOLE CLASS



What is an activated learning environment?

As new instructional methods change the ways students use the classroom, audio systems need the flexibility to interact with the entire class, small groups, individuals, and even students in the hallway.

Access Technology allows schools to start with whole group instruction with a classroom audio system, then easily add Activate Pods for small group learning.

How Hear and Learn Helps.

Three key elements are required for effective collaborative learning to occur:

1. Classroom design and layout needs to promote effective collaborative practices.
2. Teachers need tools to easily monitor group interaction and the ability to provide re-direction if required
3. Students need a way of communicating directly with the teacher so that they can resolve issues and quickly return to the task at hand



Dr Janelle Wills

Dr Janelle us currently the Associate Director of Marzano Research for Solution Tree Australia and Education Consultant for Hear and Learn. She has over thirty years of teaching and leadership experience and has developed and led significant initiatives at both school and sector level. Her PhD focused on self-efficacy and contributed to multiple fields of knowledge including gifted education, assessment and feedback. She works exclusively with schools, regions and systems throughout Australia.



See more at hearandlearn.com.au/differentiated-learning



'Staff are able to target differentiated learning, and hone in to particular groups to expand their processing and application of skills, by directing them through effective questioning. They are able to ask a particular student within a group to contribute in an area of strength, and support peer tutoring in others. It empowers flexible learning spaces, as the teacher can listen to the level of in task and on task behaviours, no matter where students are located in the room, learning spaces, outdoors or withdrawal area.'

Gymea Bay Public School

Hearing Augmentation Solutions

The UConnect SoundHouse and UConnect Mini family of education engineered hearing augmentation products are exclusive to Hear and Learn. SoundHouse cabinet designed, manufactured in Australia.

Both solutions are agile to the various types of receivers in hearing aids, and their evolution in the future.

They are supplied fully constructed for plug and play installation. All electronics, GPOs and services are pre built.



UConnect mini!

The UConnect Mini is an all in one interface that collects all audio in a learning space, transforms and balances this audio, and makes it available for connection to any brand or type of transmitter.



Learners and adults use their own transmitter, or communal transmitters supplied to the school and connect to Mini or SoundHouse to achieve augmentation for all irrespective of brand of aid.



SoundHouse can be manufactured in a choice of colours to suit the decor of any learning space.

The UConnect SoundHouse is an Australian made bespoke lockable steel cabinet designed to house Hear and Learn Soundfield solutions, store and secure teacher Flexmike's and student Sharemike's, and make the operation of our technology safe and aesthetically pleasing.

SoundHouse can be wall mounted, or recessed into the wall. All electronics, power supplies and cabling are built in and covered to not be vulnerable to tampering yet accessible.

SoundHouse is ideal for new school constructions, refurbishments and renovations.



See hearandlearn.com.au/hearing-augmentation-solutions for updates.

"... the UConnect System offers flexibility in how compliance can be achieved and allows an educational facility the ability to adapt to the evolution of hearing aids/cochlear implants and receiver technology. Current and future transmitter devices can be integrated into the hub. It should be noted that the current generation of hearing aids and receivers provided to hearing-impaired students may not have T-switch (telecoil)/induction facilities and therefore complete reliance on hearing augmentation systems relying on T-switch must be avoided to achieve compliance with BCA/Premises Standards Clause D3.7"

Extract from Access Consultant Report

UConnect Advantages

Advantage 1.

Agility and future-proofing

Hearing Augmentation – or the transmission of the sources of auditory learning (including inbuilt amplified audio) to receivers built into hearing aids – must cater for all learners, teachers and visitors.

T-Switch / in-floor induction loops / personal induction loops do not work for all learners. The Federal Government supplies various hearing aids with different receivers. Hearing Augmentation solutions must be agile and not tied to any one transmission platform.



No reliance on learners using personal devices and no reliance on learners wearing additional stigmatising equipment. Schools maintain communal transmitters for the use of students,



teachers and visitors, or they use their own.

Advantage 2.

Compliance Readiness

Federal Disability Law, Building Code and Govt/Diocesan/School policy is a complex blend of regulation. Just like we allow physical access to buildings via ramps, this blend of law supports the view that all auditory stimuli should be made available to the hearing impaired.

A performance-based solution is needed and a blend of regulation applies

UConnect SoundHouse and UConnect Mini mean the sounds of teaching – PA, AV, and voices – can be delivered to the hearing impaired. True equity is achieved. Together with our HearAssist package, our performance-based solution is compliance-ready and supported by expert opinion. Included: Bespoke and standards compliant Braille Tactile signs are provided.

Expert Access Consultant Report available upon request.



An example of one bespoke Code-compulsory Braille Tactile signs compliant with Australian Standards 1428.5



– 2010, Communication for People who are Deaf or Hearing Impaired allowing for comfortable viewing at the nominated distance. The height of our text is 20 mm which means we meet these standards.

Advantage 3.

HearAssist

Best of breed support

We deliver a training and commissioning program beyond handover to ensure technical developments are known and that support is available. HearAssist is a program of face-to-face, email and telephone support provided by Hear and Learn. It involves two phases: 1 at Commissioning post-installation, and 2 ongoing training and education of staff

We supply full post install support and training.

Advantage 4.

Three in one functionality

With UConnect SoundHouse, our family of amplifier/receiver/in-ceiling or on-wall speech intelligibility optimising speakers is used to achieve three outcomes:

One bundle handles AV, Voice and Hearing Aug.

Advantage 5.

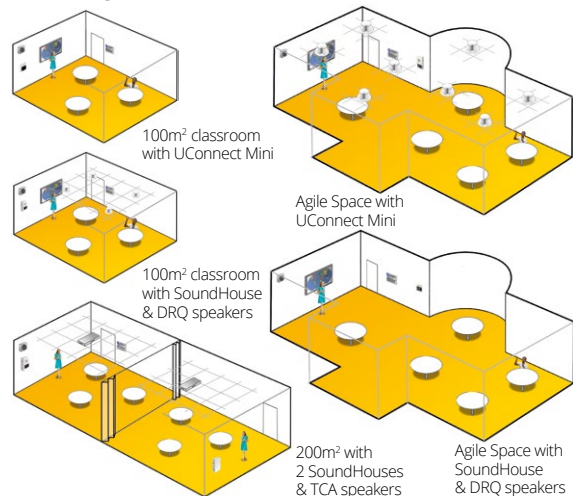
Easy install

UConnect SoundHouse and UConnect Mini come pre-built with all bespoke electronics built in to transform and balance audio, and allow quick connection to power, PA signals and AV. Power points are built-in too.

"This is the easiest and most logical hearing aug product I've seen. I particularly love the spring brackets on the hub basket. It's so easy to install!"
Luke, Green Phase Electrical

Advantage 6.

All learning space designs and teaching methods are catered for



See hearandlearn.com.au/hearing-augmentation-solutions for updates.



"The teachers are telling us they're able to moderate the level and tone of their voices." says Paul Sharp, St Agatha's Deputy Principal. "Their voices are calmer, their delivery is more succinct and the environment of their classroom is quieter and more composed. Receiving a clear sound helps students listen and curbs disruptive behaviour."
St Agatha's Catholic Primary School, Melbourne

Australian Educators' Testimonies



"The Hear and Learn product is integral to our learning program. They enhance the teacher's voice ensuring excessive noise is kept to a minimum and that directions and information are heard clearly the first time."

Peter Cutrona, Principal, St Kieran's Perth
2019 ACPA Executive Member



"We work in flexible learning spaces at Joey's and the Hear and Learn devices support teacher voice and students' ability to hear and act on instruction without impacting on the noise level of the spaces. They are a real bonus in the variety of settings in which we work."

Therese Seymour, Principal, St Joseph's School
Alstonville



"Most teachers notice a difference when they use (Redcats) They do not have to project and strain their voices. Students can hear with greater clarity no matter where they are in the room. For some teachers it is daily practise as putting on the school key lanyard around necks or name tags. Our specialist staff in Music, Japanese and Art have responded well to using them in these sessions. Some parents have noticed the difference & engagement too in those settings"

St Joseph's Primary School Trafalgar



"The audio system has supported our students with hearing concerns, allowed for more efficient teaching in flexible and adaptive classrooms and assisted teachers in classroom management. The technology works well within all stage classrooms and is very easy to use."

Dane Seymour, Principal, St Joseph's Primary School,
Wauchope



"I think it helps project my voice so I am clearer around the whole room, not just the direction I am facing. I notice it helps some individuals with hearing difficulties; without it, I feel like I'm shouting at them or at least repeating myself multiple times so they hear what I say clearly."

One Arm Point Remote Community School
Kimberley, WA



"We have students from EAL, hearing impairment, ASD and trauma backgrounds in every classroom, the technology supports their ability to participate in regular classroom instruction."

"Staff notice that teaching becomes easier as student behaviour improves, they don't have to strain their voices to be heard and classes run more efficiently due to student response to instruction being immediate."

Manchester Primary School Melbourne



"One particular challenge that the technology addressed was the ability to hear all students. The quiet students that find it hard to project their voice, gained more confidence and were happy to participate in group and class discussions."

Nick McGann, Principal, Immaculate Heart of Mary
Catholic School Hobart



"The soundfield has been a great asset. The class have benefitted by being able to hear instructions clearly. The students have increased engagement. It has assisted children who have hearing impairments and those without. In regard to my teaching practice, it has helped me with my voice as I do not need to raise/strain it. It spreads my voice evenly throughout the classroom."

Vicki Musca, Principal, Queanbeyan West Public School

Hear and Learn
School audio & classroom
sound systems

PO Box 129, Carlton North, VIC 3054
T. 03 9370 9355
info@hearandlearn.com.au