

 **hear and learn**
all audio to all ears. always.

November 2023

Deliver

Clear instruction
.....

Enhance

Teacher welfare
.....

Nourish

Learner minds
.....

Augment

To all
.....



Hear and Learn is an Australian owned company devoted to partnering with Educators, Architects and Electrical, IT and AV specialists to optimise auditory learning.

Why adopt **Hear and Learn** Soundfield technology?

Soundfield - sometimes known as voice lift or classroom sound enhancement technology - are industry terms relevant to tech that captures and distributes the sounds of teaching to create the the same volume and clarity of voices and screen audio anywhere in a learning space.

Deliver Clear instruction	Enhance Teacher welfare	Nourish Learner minds
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Jim Russell
Director Principal Consultant
Hear Room

THE HEAR AND LEARN EDGE IS:

- No onfloor footprint and slim profile
- Easy set up and with battery power option
- Smallest and Lightest Flexmike microphone
- 'Point-to-Pair' means Teachers can use their own mike in different rooms
- Unique Redcat speaker optimises speech intelligibility and coverage
- Speaker options to cater for all room designs
- Agnostic and flexible connectivity to any hearing aid's transmitter



Classroom noise



Distance



Hearing loss



Sore throat

Soundfield Amplification Research Summary



Pamela Millett
PhD, Reg. CASLPO
York University, Toronto

While soundfield helps learners with permanent and fluctuating hearing loss, there is a bigger picture. This research summary explains how soundfield helps address a wider group of challenges including voice strain of teachers

Dr Pamela Millett is based in Canada at York University. An educational and clinical audiologist, Dr Millett conducted a study into research about soundfield.



[Click here for a pdf of the full research summary](#)



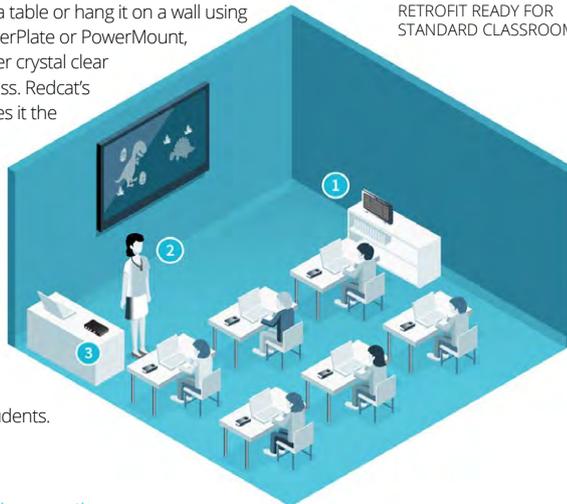
"The teachers are telling us they're able to moderate the level and tone of their voices." says Paul Sharp, St Agatha's Deputy Principal. "Their voices are calmer, their delivery is more succinct and the environment of their classroom is quieter and more composed. Receiving a clear sound helps students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



Point-to-Pair Functionality
TEACHERS EASILY MOVE BETWEEN ROOMS
Allowing teachers to use their own Flexmike seamlessly throughout different classrooms.

All-in-one Instructional Audio

Simply set Redcat on a table or hang it on a wall using Hear and Learn's PowerPlate or PowerMount, then plug it in to deliver crystal clear audio to the whole class. Redcat's all-in-one design makes it the simplest way to bring clear audio to any class. Ready to go right out of the box, Redcat delivers even distribution of sound and high speech intelligibility throughout the classroom to ensure the teacher's voice is clearly heard by all students.



RETROFIT READY FOR STANDARD CLASSROOMS

Flexmike and Sharemike

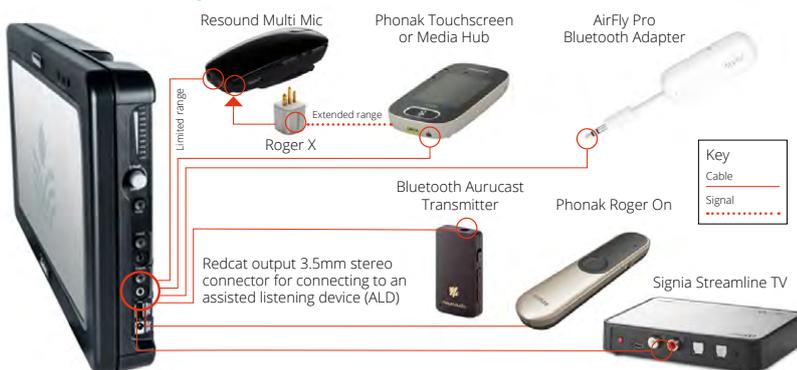


The Flexmike
Dimensions
H74 x W28 x D18mm
Weight: 34g



The Sharemike
Dimensions:
H153 x W28 x D28mm
Weight: 73g

Connect to any aid



Specifications

Dimensions	W406 x D45 x H241mm
Weight	1.3 kg



- 1 Redcat**
FLAT-PANEL SPEAKER ENSURES VOICE CLARITY AND EVEN DISTRIBUTION THROUGHOUT THE ROOM



- 2 Flexmike**
LIGHTWEIGHT, PENDANT-STYLE MIC



- Charger**
CHARGES BOTH FLEXMIKE AND SHAREMIKE

Popular Options



- 3 Multimedia Integration**
MEDIA CONNECTOR FOR WIRELESS INTEGRATION



- Li-Ion Battery**
OPERATE ANYWHERE FOR UP TO 10 HOURS



Student Sharing
SHAREMIKE

Systems can be configured with either Media Connector or Activate (not both)

Powered by Access Technology

Redcat is purpose-built for today's education spaces. Access technology ensures it performs seamlessly across all types of learning environments.

- Superior Wireless Platform**
LONGER RANGE WITH NO INTERFERENCE
- Point-to-Pair Functionality**
TEACHERS EASILY MOVE BETWEEN ROOMS
- 2-way Audio for Distance Learning**
CLEAR AUDIO IN AND OUTSIDE OF THE CLASS

See more on Redcat here



"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."
Principal. Leschenault Catholic Primary School, WA

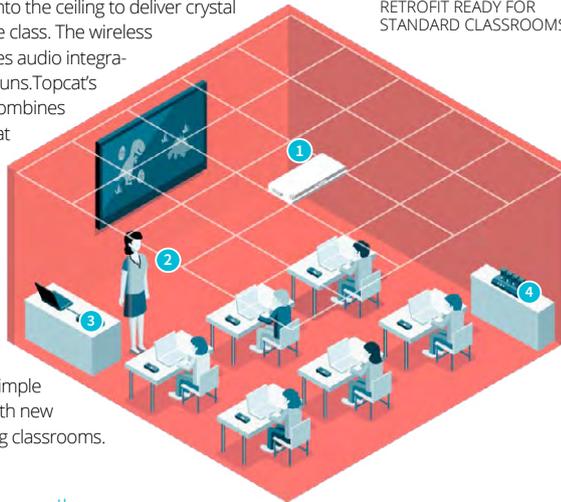


Point-to-Pair Functionality
TEACHERS EASILY MOVE BETWEEN ROOMS
Allowing teachers to use their own Flexmike seamlessly throughout different classrooms.

All-in-one Instructional Audio

Topcat seamlessly lays into the ceiling to deliver crystal clear audio for the whole class. The wireless Media Connector enables audio integration without long cable runs. Topcat's hybrid speaker design combines flat-panel technology that distributes amazingly intelligible speech evenly across the room, with a cone speaker to deliver superior audio quality of voice and multimedia. All-in-one design combined with wireless audio integration makes installation simple and cost effective for both new construction and existing classrooms.

RETROFIT READY FOR STANDARD CLASSROOMS



Flexmike and Sharemike



The Flexmike
Dimensions: H74 x W28 x D18mm
Weight: 34g



The Sharemike
Dimensions: H153 x W28 x D28mm
Weight: 73g

Connect to any aid



Specifications

Dimensions (W x D x H)	595 x 295 x 94mm
Weight	6.1 kg



- 1 Topcat**
COMBINES A CONE SPEAKER FOR MULTIMEDIA, AND A FLAT-PANEL SPEAKER FOR VOICES

- 2 Flexmike**
LIGHTWEIGHT, PENDANT-STYLE MIC
- Charger**
CHARGES BOTH FLEXMIKE AND SHAREMIKE

Popular Options

- 3 Multimedia Integration**
MEDIA CONNECTOR FOR WIRELESS INTEGRATION



TOPCAT ENGINEERED TO BROADCAST VOICES AND SCREEN AUDIO

Life Safety Integrations

Built-in integrations to third-party safety systems enhances classroom security.

- Paging Priority**
MUTES INSTRUCTIONAL AUDIO SYSTEM
- Fire Alarms**
MUTES INSTRUCTIONAL AUDIO SYSTEM
- Alert Notifications**
ACTIVATE ALERT WITH FLEXMIKE

See more on Topcat here

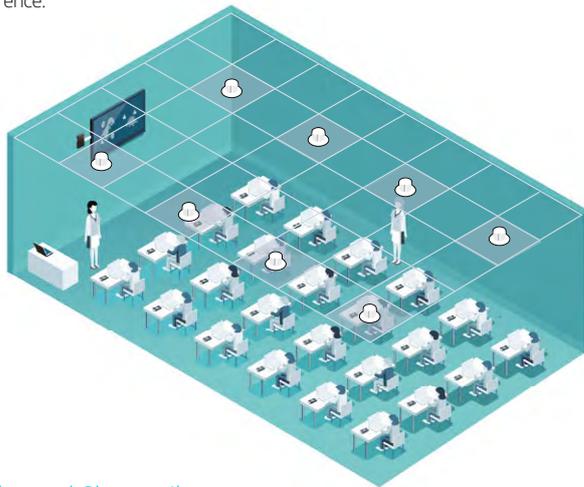


"We use the Redcat system to make our learning environment as conducive as possible for as many students as possible," says Mr Carter. "If you can hear, you can learn. It's as simple as that." "There are lots of benefits for students using the Redcat." says Ms Snelgrove. "Students have different hearing 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



The 975 ensures audio clarity of teachers, students and multimedia in any instructional space in the school.

This versatile solution connects to a variety of speaker options for a variety of different applications. Whether its classrooms, open areas or large spaces. With no audio dropout or interference.



Speaker Solutions

For larger or multimedia classroom applications, we offer a line of traditional speakers, which places multiple speakers around the classroom. These speaker solutions cover classrooms up to 480m² and will deliver a full range of sound.



TCQ Ceiling Speaker
Suited to ceilings of 2.75m or higher. WxDxH: 595 x 295 x 94mm
Weight: 6.1 kg



DRQ Ceiling Speaker
Suited to suspended ceilings of heights between 2.75m and 3.65m. 240 x 10mm Weight: 2.7kg



WMQ Wall Speaker
Suited for solid ceiling classrooms as low as 2.5 metres. WxDxH: 198 x 139 x 132mm Weight: 1.4kg



C1055 Pendant Ball Speaker
Suited for high raked, suspended, concrete, or exposed ceilings. Diameter: 260mm Weight: 3kg

Flexmike and Sharemike



The Flexmike
Dimensions H74 x W28 x D18mm
Weight: 34g



The Sharemike
Dimensions: H153 x W28 x D28mm
Weight: 73g

Connect to any aid



Specifications

Dimensions (W x D x H)	193 x 127 x 29mm
Weight	269gms



See more on 975 here



"We embraced this technology in 13 learning spaces recognizing that Learners enjoy Teachers speaking in a conversational voice. This means a more relaxed and calm environment is created avoiding Teacher vocal fatigue. We recognise too that our Learners are all unique and deserve every opportunity to easily process auditory messages" says Deputy Principal, Nicola Pearce.
St Thomas More's Launceston

Why adopt **Hear and Learn** Hearing Augmentation Solutions?

Augment To All

The blend of Federal law (Building and Construction Code and Disability legislation), Standards and State / Diocesan Rules are navigated easily with the UConnect range.

Six Advantages

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.



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.

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.

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



SoundHouse



SoundHouse collects and distributes voice and screen audio, and augments all audio too including PA

COMPLIANCE READINESS

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. Included: Bespoke Code-compulsory Braille Tactile signs compliant with Australian Standards 1428.5 – 2010. The height of our text is 20 mm which means we meet these standards.



A performance-based solution is needed and a blend of regulation applies. Expert Access Consultant Report available upon request.



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.



mini!

"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

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. Commissioning post-installation
2. Ongoing training and education of staff.

HearAssist

We supply full post install support and training. For five years, we email news about the technology and industry info and are always a phone call away.



SOLUTIONS FOR ALL CLASSROOMS AND TEACHING METHODS



UConnect Mini in 100m² classroom



UConnect Mini in an agile space

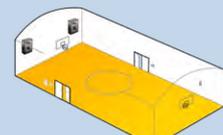
Click on the images for online pdfs about our Hearing Augmentation range of options



SoundHouse and four DRQ speakers in an agile space



SoundHouse and DRQ speakers in 100m² classroom



Two SoundHouses in a gym or hall space

Go to Hearing Augmentation Solutions updates here

"... 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

The UConnect Mini is one of a family of education engineered Hearing Augmentation products exclusive to Hear and Learn.



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.

The Uconnect Mini is designed and manufactured wholly in Australia.



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.



Hear and Learn's UConnect hearing augmentation range is build on it's All Ears policy.



Go to Hearing Augmentation Solutions updates here

Click on buttons for online pdfs about our UConnect Mini classroom options

HEARING AUGMENTATION

UCONNECT MINI HEARING AUGMENTATION SOLUTION FOR ROOMS UP TO 100M²

UCONNECT MINI HEARING AUGMENTATION SOLUTION FOR ROOMS OVER 100M²

HEARING AUGMENTATION WITH SOUNDFIELD

UCONNECT MINI AND TOPCAT IN TILED CEILING

UCONNECT MINI AND REDCAT WALL MOUNTED (VOICE ONLY AND NO SCREEN AUDIO)

UCONNECT MINI AND TOPCAT WALL MOUNTED

The UConnect SoundHouse is one of a family of education engineered Hearing Augmentation products exclusive to Hear and Learn.



SoundHouse

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.

The Uconnect Soundhouse is designed and manufactured wholly in Australia.

3-WAY AUDIO BACKBONE

- Capture voices and screen
- Broadcast all audio to all learners evenly
- Augment to all



The UConnect SoundHouse is a bespoke lockable steel cabinet designed to house Hear and Learn Soundfield solutions, store and secure teacher Flexmikes and student Sharemikes, 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 be tamper proof but accessible. SoundHouse is ideal for new school constructions, refurbishments and renovations and can be manufactured in a choice of colours to suit your decor.



SoundHouse Interior View
Secure space for storing personal items and charging devices.

The SecureSlide System
Provides security and tamper proofing for transmitters to receivers in hearing aids.

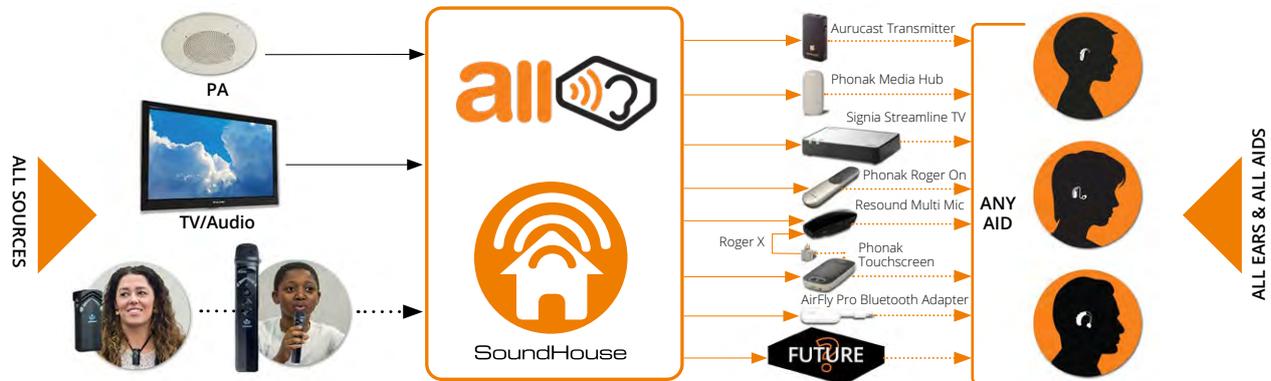


Speaker Selection
SoundHouse can drive multiple speaker arrangements in larger or multimedia classrooms up to 480m² delivering a high quality, full range of sound.



SoundHouse Cabinet DESIGNED & BUILT IN AUSTRALIA 

Hear and Learn's UConnect hearing augmentation range is build on it's All Ears policy.



Go to Hearing Augmentation Solutions updates here

Click on the buttons for online pdfs of schools' testimonials on the SoundHouse advantage.



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