

frontrow™

Specialised sound distribution system

Classroom or meeting room



*Engage young minds
Inspire participation*

Printacall, your sound field expert, helping you reach every child

When choosing Printacall to advise you on sound field systems, audio induction loop systems for children with a hearing loss, text telephones (TTYs) or other assistive

listening devices you are in good hands. With 25 years as a specialist technical/sales and service organisation our focus is always on the supply of quality equipment backed by technical expertise and excellent customer service.

More and more schools are turning to Frontrow™ sound field systems to overcome classroom acoustics, engage young minds & inspire participation. Now more than ever noisy classrooms have become barriers to learning. Frontrow™ technology ensures your words aren't just heard but understood. It enhances the quality of your voice and redirects your words evenly throughout the room. By making it easier to listen, Frontrow™ sound field systems make it easier to learn.

There is a complete range of Frontrow™ sound field systems to suit all classroom situations.

- * Frontrow™ Pro Digital - innovative infrared technology, fully installed.
- * Frontrow™ Tempo - the best in FM technology, fully installed.
- * Frontrow™ To Go - a unique portable sound field solution for both indoor/outdoor learning environments.

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Do I need a sound field system?

- Do you ever suffer from vocal fatigue?
- Are you tired of raising your voice to be heard?
- Would you like to be able to speak without strain?
- Would your class be more productive with better classroom acoustics?
- Is the sound quality within your room compromised by its location – noisy surrounds?
- Do you have young students or ESL students discovering language?
- Do you have students disturbing others to repeat instructions?
- Are the students at the rear of your classroom looking bored or being disruptive possibly because they can't hear?
- Do you have students with a hearing problem (with or without hearing aids or cochlear implant)?
- Are any of your students using a personal FM?

If you have answered yes to one or more of the above then consider a Frontrow™ sound field system, making teaching and learning easier.

Interested and want to know more?

Visit: www.soundfield.com.au

Links: Newsletters and Presentations:

Sound Distribution Systems for the Classroom and Sound Field Systems Assistive Learning Technology.

Contact our friendly, knowledgeable staff by phone or email.

They will be pleased to discuss your school needs, make professional recommendations and quote on the design and installation of a system that will best suit you.



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Actual system has 4 speakers, infrared sensors, emitter and microphone options (lavalier shown)

Basic sound field Maths in a classroom



Listening + Learning = Perfect Partners

Distance
Noise +
Reverberation

Poor Classroom Acoustics

Children can't learn what they don't hear. A Frontrow™ sound field system is the essential teaching tool to overcome poor classroom acoustics.

PROBLEM

- 45% of the school day = listening activities
- Average student misses 25% of what is said
- Consonant sounds carry 75% of meaning in speech
- Poor classroom acoustics = muffled consonant sounds = loss of meaning
- Unfamiliar material + inexperienced listeners (young / ESL students) = misunderstanding of words

SOUND SOLUTION

Unique to Frontrow™ sound field systems - OptiVoice, which compresses sound, making consonant sounds clearer, maximising speech recognition and improving comprehension & reading

DISTANCE PROBLEM

- A student front row position receives approximately 83% of teacher's speech signal
- A student back row position receives approximately 55% of teacher's speech signal

SOUND SOLUTION

Sound field systems improve teacher's speech signal by distributing the teacher's voice evenly throughout the room, giving all students a front row position, regardless of seating location.

AGE & NOISE PROBLEM

- Children < 15yrs = auditory neurological network not developed
- Children < 15yrs = undeveloped ability to listen in noise
- Average classroom noise level = 50 decibels (equivalent to a busy street)
- Difficulty perceiving speech = listening requires an effort = learning ability affected

SOUND SOLUTION

Sound field systems improve the signal-to-noise ratio so that the teacher's voice is delivered with clarity in relation to the overall noise in the room. The solution is not about increasing volume but about voice reproduction with minimal reverberation, thereby dramatically increasing clarity.

CHOSING A SOUND FIELD SYSTEM MAKES SOUND SENSE

- Focused classrooms
- Less teacher voice strain
- Improved academic achievement
- Improved speech reception
- Greater on-task behaviour

Frontrow™ sound distribution systems: Helping Teachers Teach and Students Learn

How does it work?

A typical Frontrow™ Pro system consists of an infrared emitter, a lapel wireless microphone worn by the teacher and 4 speakers located around the 4 walls of the room which actually make the "Field" integrated with specially designed sensors. Amplifying the teacher's voice raises the signal to noise ratio which improves speech intelligibility and reduces vocal strain. An extra hand held microphone can be provided for students to pass around, so they can be amplified too.



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