

Soundfield

Classroom Voice Reinforcement

'Sound Field' or a 'Sound Field Voice Reinforcement System' is essentially the integration of a mini-PA system in the classroom:

Under quiet classroom conditions, most teachers have enough natural volume in their voice to communicate effectively with a standard sized class. However, a number of acoustic factors (lively/noisy classes, reverberant room conditions, ambient noise from equipment and outside, hearing difficulties, etc.) can have a significant effect on clear, effective teacher/pupil communication.

The inclusion of a Sound Field System in the classroom will raise the teacher's voice above this ambient noise level, to give even voice coverage throughout the room and without the need to shout or raise one's voice. This will provide significant benefits for teacher/pupil communication and understanding.

Description:

i-ceilings Sound Field Voice Reinforcement Systems provide flexibility for all types and sizes of classroom and learning environment, to enhance both the teacher's voice and other audio signals.

Simple control via the Input Control Plate allows adjustment of main volume control and the ability to plug in external audio sources such as CD, DVD, minidisk or PC for playback of music, presentations, movies, etc.

i-ceilings Sound Field Systems also feature infrared wireless microphones, allowing the teacher to roam freely around the classroom without the obstacle of trailing wires or cables. Unlike similar radio-based systems, our infrared system does not require a license and will not radiate the signal to adjoining classroom areas (allowing for simple, cost effective multi-room systems and ensuring secure voice signals where required).

Building Bulletin '93:

Section 1 of Building Bulletin '93, the Government's Specification of Acoustic Performance, sets the standards for the acoustics of new buildings and explains the requirements and solutions to "...provide acoustic conditions in schools that facilitate clear communications of speech between teacher and students...".

"... The key aim of a (speech reinforcement) system is to increase the loudness of the direct sound, particularly for more distant listeners, whilst keeping sound as natural as possible".



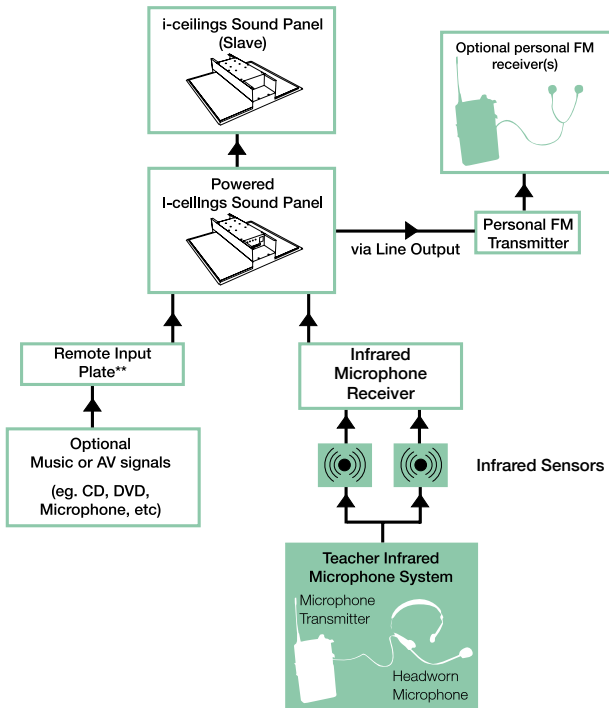
All children benefit from the improved speech clarity provided by a Sound Field Voice Reinforcement System:

Academic improvements are noted in:

- Task behaviour
- Attentiveness
- Understanding of instructions
- Less repetition required
- Better attendance
- Improved measures of verbal recognition
- Reduced voice strain/damage

Infrared Soundfield Typical System specification

Typical system schematic:

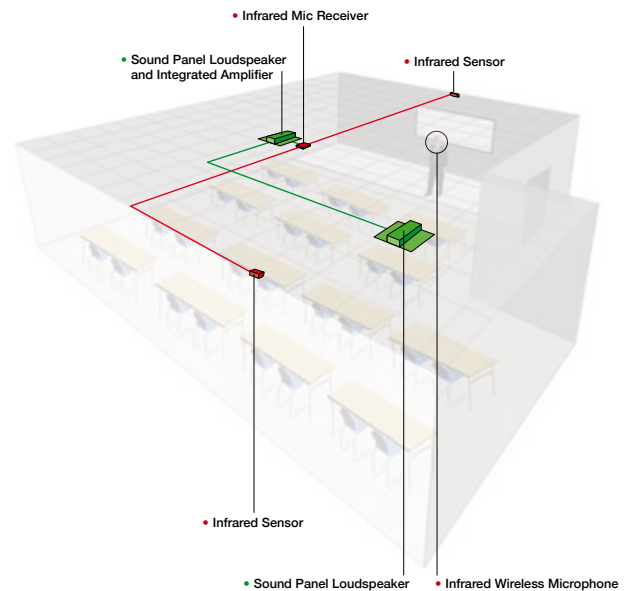


Typical i-ceiling SoundField System features:

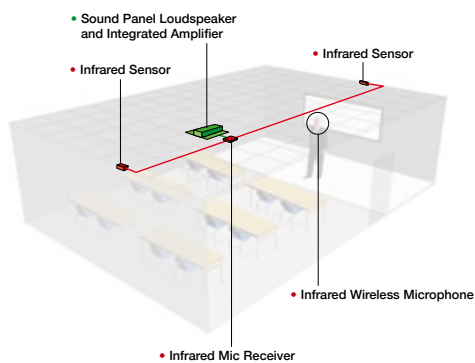
- i-ceiling Powered Sound Panel (classroom up to 60m²)*
- Additional 'Slave' i-ceiling Sound Panel (CS-1000 only) (classrooms up to 120m²)*
(use i-ceiling Pro Panels for higher level music and multimedia applications)
- Please note that Powered Pro Panels will not power an additional Slave Panel
- Volume / Input Control Plate
- Infrared Wireless Microphone Receiver
- 2 x Infrared Sensor
- Infrared Wireless Microphone Transmitter (handheld, headset, collar or lapel options available)
- Batteries and charging unit

This system meets and can easily exceed the requirements of Building Bulletin '93, Appendix 8.

Classroom area up to 120m²:



Classroom area up to 60m²:



www.soundfield.uk.com

With a range of highly effective, low cost solutions we have already supplied many successful i-ceiling Sound Field systems throughout the country, whilst our specially-developed website - www.soundfield.uk.com - has become the industry recognised site for information and advice on classroom voice reinforcement and the recommendations of Building Bulletin '93.

* Based on standard 2.7m floor to ceiling height

** Up to 5 Remote Input Plates can be cascaded together for additional music / AV inputs