



# Soundfield

## classroom voice reinforcement system

## Soundfield – what is it?

**A Soundfield system distributes the target audio in order to ensure that there is an even spread of sound throughout the room.** This assists students towards the back of the room and reduces stress on the teacher's voice. A typical Soundfield system consists of a wireless microphone worn by the teacher, a wall mounted amplifier and speakers located around the classroom.

### Description

Soundfield is for use in classrooms with plasterboard / solid ceilings. It is designed to be completely safe and child-friendly. The system features infrared wireless microphone technology making it ideal in adjacent / multi-room applications. It features line level and mic level inputs with user adjustable volume and tone controls, whilst remaining extremely tamper-proof against unwanted 'wandering hands'! Additionally there is a line level output to feed an optional induction loop system or personal FM transmitter / receiver unit.

### Soundfield System Components

Each Soundfield kit comprises of: -

- 1 x Infrared Emitter/Microphone\*
- 1 x Infrared Belt Pack Transmitter
- 1 x Wall mount Amplifier / IR Receiver
- 2, 4 or 6 Loudspeakers, dependant on room size and application. Speakers can be wall mounted, ceiling mounted or NXT type.
- Loudspeaker Safety Cables
- 2 x Infrared Sensor
- 3 x 10m Extension Cord IS-20A
- 1 x Charger for Infrared Belt Pack Transmitter
- 2 x Rechargeable AA Batteries for Infrared Belt Pack Transmitter
- 1 x Phono Coupler

\*The Soundfield system features a belt pack transmitter and infrared tie clip microphone as standard. A choice of headset, collar-worn or handheld microphone options are also available.



In addition a range of wall-mounting remote input plates can also be added to each Soundfield system for integration of further AV signals (such as CD player, video, DVD, PC, laptop, MP3 or wired microphones).



# Soundfield Specification

## Soundfield Amplifier / IR Receiver

The integrated amplifier features two inputs; one is a line level input allowing connection to remote Outreach input plates such as the APA / APL; the second input being the connection to the infrared microphone receiver. Both inputs have their own level control. There is also an 18V DC supply available to power the Outreach plates.

The amplifier has a low impedance loudspeaker output (minimum impedance 4ohms), separate line level output and a DC supply for use with optional APA / LLO output plate. The system is fitted with high and low tone controls. Frequencies at which these controls operate have been chosen to allow speech clarity to be optimised to your specific acoustic environment. All signal connections to the unit are accessible only when the front cover is removed and are of the removable screw terminal type allowing for quick and easy connection.

Rated Output:	20W RMS into 8 ohms
Frequency Response:	100Hz ~ 18kHz $\pm$ 3dB
THD (at 1kHz):	Better than 0.1% at rated output
Tone Controls:	Low 1kHz $\pm$ 12dB, high 10kHz $\pm$ 12dB
Line Input:	500mV, 600 ohms balanced
18V Output:	18V DC, fused at 100mA
15V Output:	15V DC, fused at 500mA
Line Output:	750mV, 600 ohms balanced
Power Consumption:	35W max
Power Input:	230V AC 50Hz via IEC socket
Case:	Grey painted steel
Weight:	4.5 kg
Dimensions:	325(H) x 224(W) x 85(D) mm

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