



Sound Field Room Setup Checklist for Calibration

It is important that paediatric audiology services understand their room set up for soundfield audiometry in order that it can be effectively calibrated. This checklist has been devised as a tool to assist both audiology services and calibration providers.

This checklist is based on the British Society of Audiology documents “The Acoustics of Sound Field Audiometry in Clinical Audiological Applications (2019)” and “Visual Reinforcement Audiometry for Infants (2024)”. These documents are available from the BSA website (thebsa.org.uk) and should be referred to for additional guidance on the points listed below.

Loudspeakers are at an appropriate child head height (0.7-1.2m)

Right and Left loudspeakers are at 90 degrees* from the calibration spot

Each loudspeaker is positioned at least 1m away from the reference point with no furniture or hard surface between, or adjacent to, the loudspeaker and the reference point. This does not include the patient’s chair and/or play table

Loudspeakers are located on appropriate support stands or at the edge of a supporting structure (e.g. desk)

The member of staff on the audiometer (tester 1) can clearly visualise the child’s face (either through direct line of sight or with a camera)

**Where 90 degrees is not possible, a 45° azimuth can be used however the BSA Practice Guidance document should be consulted to determine the additional considerations that have to be taken into account for this setup.*