

# Hearing Loops

## Help In Places Where Its Hard To Hear.



**BROWN AUDIO SERVICE**

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A hearing loop is an assistive listening system that helps in environments where hearing aids alone sometimes aren't enough. It takes a sound source - such as a microphone or TV - and transmits it directly to the user's hearing aid or cochlear implant without ambient room noise or reverberation. This can be especially helpful in places like churches, meeting rooms, and auditoriums. Since the sound is produced by the wearer's own hearing device, users hear better than with most other systems... and without the fuss of extra headsets. The presence of an induction loop is indicated by the sign on the right.



**HEARING LOOP INSTALLED**  
Switch hearing aid to T-coil

Over the last 25 years, hearing loops have become the default assistive listening solution in Europe, Scandinavia, and Australasia, and are now becoming increasingly prevalent in America. Due to their benefits and ease of use, they can be found in locations as diverse as taxis, schools, houses of worship, concert halls and stadiums.

The way an induction loop works is simple.

- Ⓔ A sound, such as a voice, TV, or movie is captured using a microphone or other audio device.
- The audio signal is then connected to an hearing loop amplifier which generates a current to an induction loop, usually made of copper wire or tape.
- ⌚ The induction loop usually surrounds the area where the audience is located and produces a magnetic field.
- The magnetic field is picked up by the T-Coil (or Telecoil) inside the hearing aids worn by the audience.
- The hearing aid tailors the sound to the specific needs of the individual. Sound is delivered directly into the ear canal, without ambient room noise and with the full spectrum of sound frequencies required for intelligibility.



The number of users who can benefit from the system at one time is only limited by the number of people that can fit in the "looped" area. Expensive receivers are not required and users don't suffer the inconvenience of asking for and wearing a headset.

Hearing loops are an inherently simple technology, but care should be taken (and professional advice sought) in their design, specification and installation so that the facility conforms to the International Standard for operation and gives the most benefit to the end user.