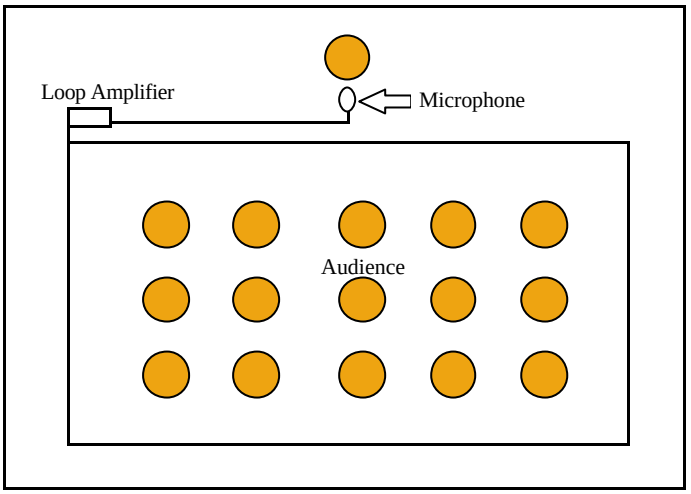
Audio Frequency Induction Loop systems



What is an Induction Loop?

In its simplest form, an Induction Loop system consists of a loop of wire installed around the perimeter of an area. The wire is connected to an Induction Loop amplifier which is fed with a signal from the venues PA system or a microphone.

The Induction Loop amplifier drives an audio current (not voltage) through the loop. This current generates a magnetic field in the area enclosed by the wire that a suitably fitted hearing aid can receive via its "T" or Telecoil switch.

Types of Induction Loops

Conventional Induction Loops

Typically used in churches or public meeting places this is the most common type of loop system. Word of Mouth Technology will take into account a number of factors relating to the venue to ensure the optimum result is achieved. An induction loop should be designed to cover most of or all of the seating area in accordance with current standards, this will ensure patrons are not restricted to one area of seating. The layout of a loop will vary depending on the area requiring coverage, for larger loops a figure 8 (or multiples of) will ensure an adequate field strength is achieved across the entire area.

Low overspill Induction Loops

A typical induction loop is designed for hearing aid wearers to sit within the "looped" area. A characteristic of a magnetic field means that this signal does not stop immediately at the edge of the loop, some "spillover" will be present. In venues where multiple loops are installed or musical instruments are used in close proximity to the loop (such as electric guitars) a low overspill loop can be installed. This is basically a second induction loop installed "out of phase" which effectively supports the loop signal within the looped area but cancels it outside of the looped area, limiting the amount of "overspill".

Counter Induction Loops

Communication at service counters, particularly those divided by security screens or in noisy environments can be difficult for people with a hearing loss. Installing a counter induction loop will significantly improve communication in these locations. A microphone is installed on the service side of the counter which transmits the voice of the staff member through an induction loop pad fitted on or underneath the counter. The customer selects the "T" switch on their hearing aid and receives the staff members voice clearly without background noise.

Word of Mouth Technology can design, supply and install an Induction Loop system to meet your requirements.

A Word of Mouth Technology Induction Loop system complies with all relevant standards and will be provided with the necessary signage to promote the system.

For further information or an obligation free quotation contact the projects team at Word of Mouth Technology.