Hearing LOOP

AUDIO FREQUENCY
INDUCTION LOOP
GET IN THE LOOP WITH ASSISTIVE LISTENING

For an estimated 466 million people worldwide with hearing loss, traditional sound systems are not enough. A hearing loop, sometimes referred to as an induction loop, is an assistive listening system that provides access to audio for those with hearing loss via their hearing aid or cochlear implant. It transfers the audio source directly to a hearing aid without background noise, interference, or acoustic distortion.

Listen Technologies is proud to partner with Ampetronic, the world leader in hearing loop manufacturing and design, to provide an exceptional audio experience and unmatched support.

HEARING LOOP IS VERSATILE FOR MULTIPLE ENVIRONMENTS

Government • Education • Entertainment • Corporate • House of Worship
Hospitality • Transportation • Retail • Ticket Counters • Waiting Areas
A hearing loop assistive listening system takes an audio source and sends it directly to a telecoil-equipped hearing aid by means of a copper cable that creates a magnetic field, transmitting the audio wirelessly.

1. **Audio Source**
   The microphone or mixer is connected to an induction driver.

2. **Induction Driver**
   The driver feeds the audio source to the copper cable.

3. **Copper Cable**
   The installed copper cable creates an induction field that transmits audio.

4. **Listener**
   The user listens to the audio via a telecoil hearing aid or cochlear implant, or a receiver with headphones.
THE IMPORTANCE OF THE DESIGN PHASE

Every day, millions of hearing aid users rely on assistive listening systems to access information in various environments such as airports, lecture halls, theaters, points of sale, and anywhere with amplified audio. It is imperative to have a well-designed and fully functional system installed.

Your journey to a well-designed hearing loop system begins here...

1. **Site Survey**
   Understanding the nuances of your venue is recommended as an essential step toward designing the optimal hearing loop system.

2. **Metal Loss Testing**
   Identifying the effects of structural metals in your venue will dictate loop design and correct components for your hearing loop system.

3. **Noise Measurement**
   Background noise affects audio intelligibility and can create uncomfortable listening experiences.

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**Loopworks™ iOS App**
Both the R1 Receiver and the Measure App together create the most accurate and dedicated field strength meter available.

**Loopworks™ Measure Portal Tool**

**R1 Loopworks Measure Receiver**
The Loopworks™ suite of tools includes a powerful measure app, comprehensive support, and training materials. Loopworks™ saves you time and money while showcasing your expertise as a loop professional.

**Learn** the latest information, developments, and support from the world’s most credible sources.

**Connect** instantly to detailed project information in the office or the field, or connect to our dependable expert support when and where you need it.

**Design** loops using our powerful design and support tool for fast, credible and compliant system development.

**Measure** on-site, retrieve information remotely, conduct system testing, and resolve issues for ad-hoc commissioning and scheduled maintenance checks.

**Add value with Loopworks™ Design:**

- Design loops to regulatory standards.
  IEC 60118-4, IEC 62489-1  
  Australia: AS 60118.4, AS 1428.5z
- Generate comprehensive design drawings and specifications effortlessly.
- Benefit from automatic hardware selection.
- Access expert guidance and support through online chat.
- Utilize design approval service.
- Remotely access projects and data.
- Import and export loop designs in Drawing Exchange Format (.DXF).
# Hearing Loop Setup

## Application
- Service desk
- Sales counter
- Reception desk
- Help kiosk
- Ticket counter

## Loop Layout
### Counter Loop
- Longest dimension of the area is less than 49ft (14.9m)
- No structural metal
- No overspill concerns

### Perimeter Loop
- Large or unusual shaped areas
- Structural metal present
- No overspill concerns

### Loss Control MultiLoop™
- Large or unusual shaped areas
- Structural metal present
- Concerns for overspill
- Nearby loop system present

### Low Spill MultiLoop™

## Cable Type
### Counter Loop
- Preformed multi-turn copper loop

### Perimeter Loop
- Copper core cable
- Flat copper tape
- Direct burial cable

### Loss Control MultiLoop™
- Copper core cable
- Flat copper tape
- Direct burial cable

### Low Spill MultiLoop™
- Copper core cable
- Flat copper tape
- Direct burial cable

## Driver
### Counter Loop
- CLD Series

### Perimeter Loop
- CLS Series

### Loss Control MultiLoop™
- C-Series

### Low Spill MultiLoop™
- C-Series

*Networked and Dante® options available.*