

Hearing LOOP

AUDIO FREQUENCY INDUCTION LOOP



AMPETRONIC

LISTEN
TECHNOLOGIES

HEARING LOOP SOLUTION



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.



**Direct to
Hearing Aid**



**Crystal Clear
Audio**



**Compliant and
Accessible**



**Reliable and
Convenient**



**Unmatched
Support**

HEARING LOOP IS VERSATILE FOR MULTIPLE ENVIRONMENTS

**Government • Education • Entertainment • Corporate • House of Worship
Hospitality • Transportation • Retail • Ticket Counters • Waiting Areas**

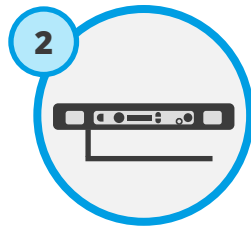
HOW HEARING LOOP WORKS

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.



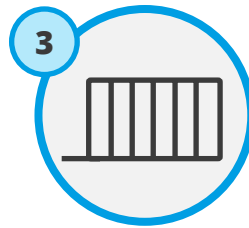
1 Audio Source

The microphone or mixer is connected to an induction driver.



2 Induction Driver

The driver feeds the audio source to the copper cable.



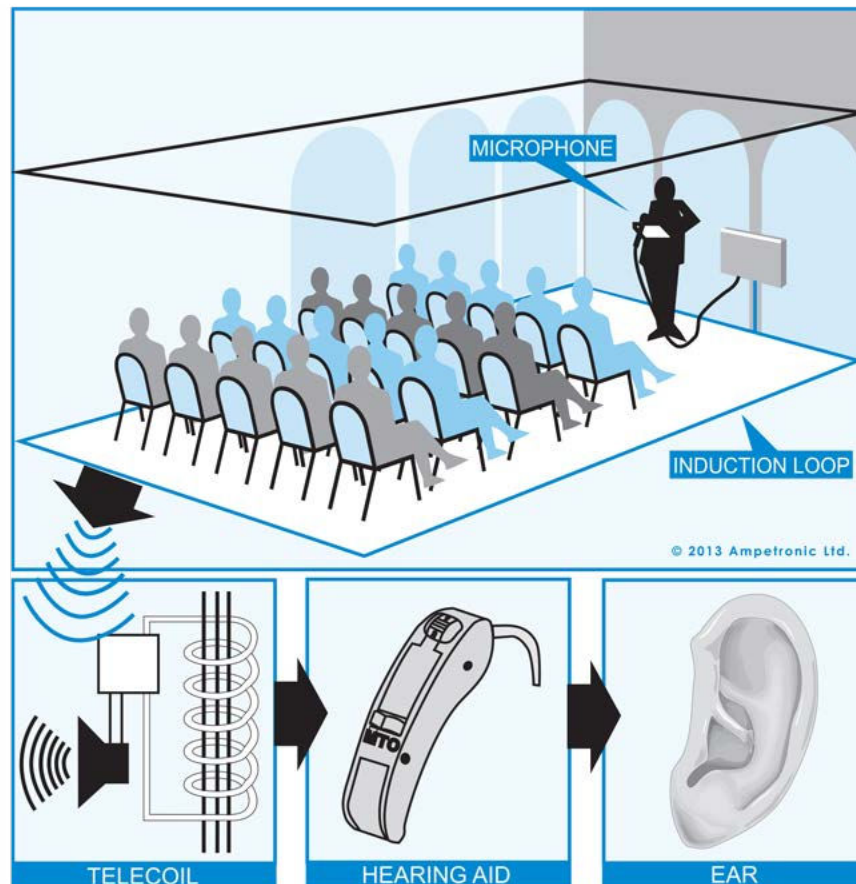
3 Copper Cable

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.



HEARING LOOP DESIGN

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.

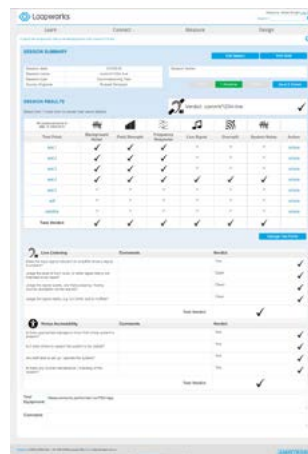
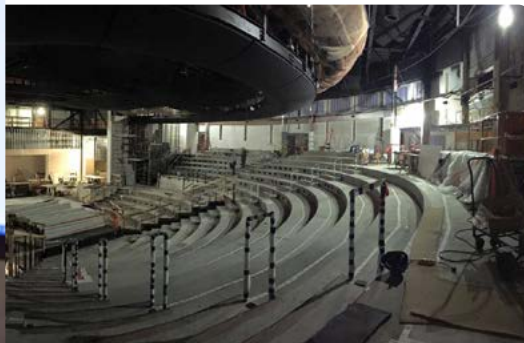


Loopworks™ iOS App

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



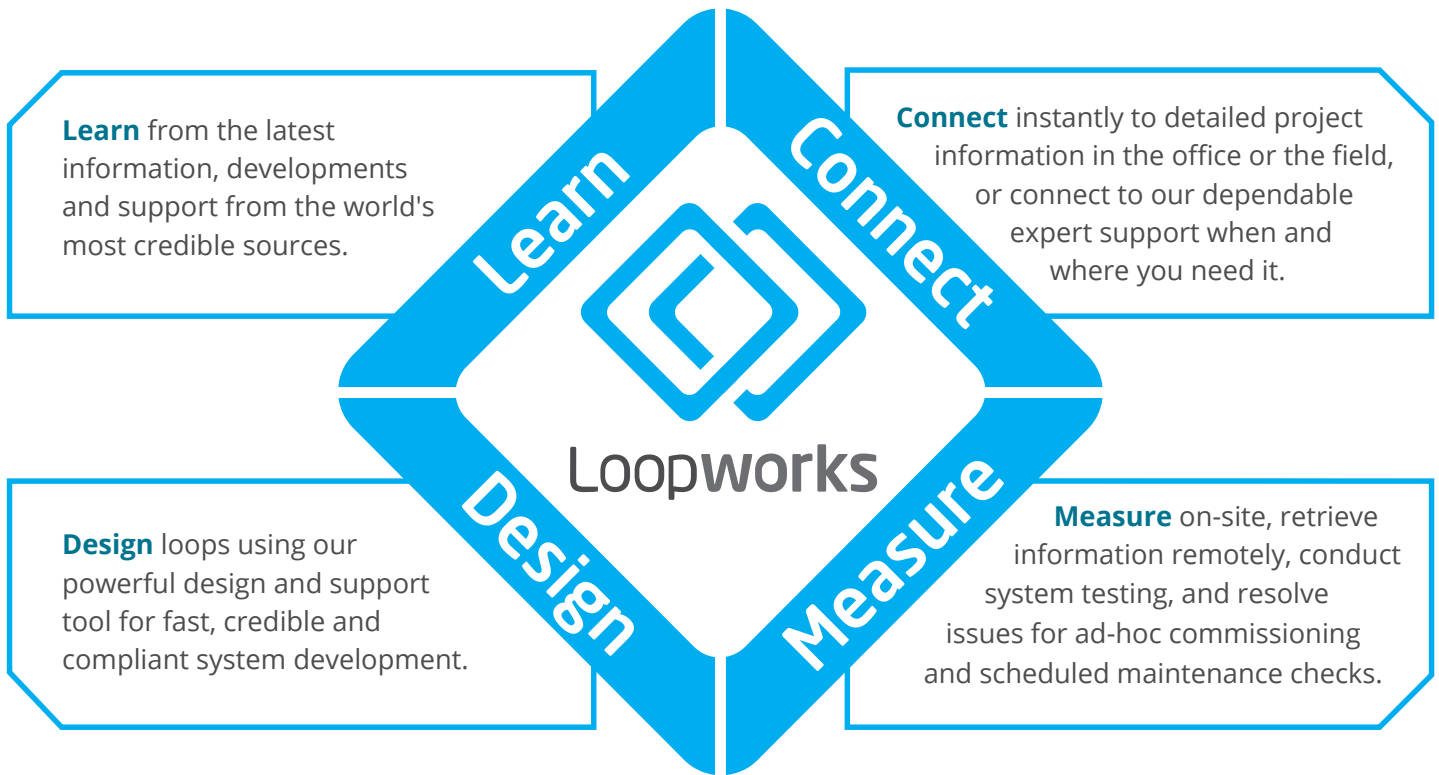
R1 Loopworks Measure Receiver



Loopworks™ Measure Portal Tool

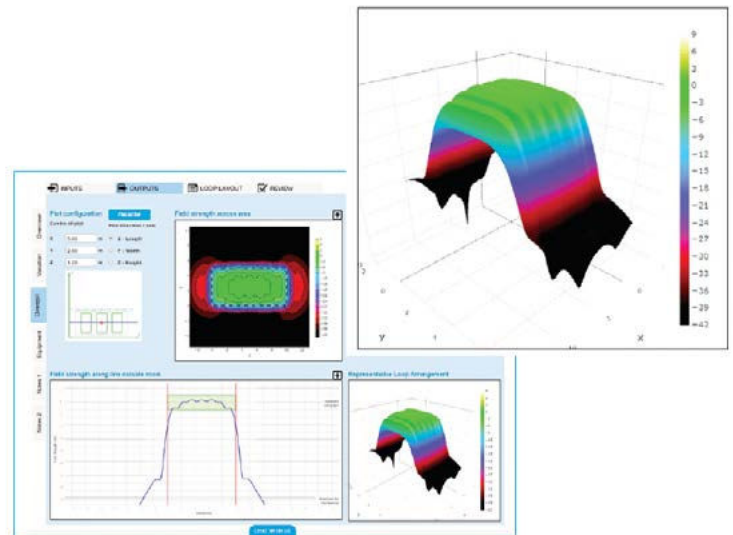
LOOPWORKS™ SOFTWARE

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.



Add value with Loopworks™ Design:

- Design loops to regulatory standards.
IEC 60118-4, IEC 62489-1
Australia: AS 601118.4, 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).



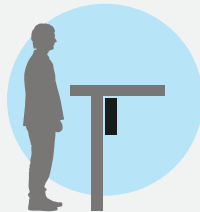
HEARING LOOP SETUP

APPLICATION

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

LOOP LAYOUT

Counter Loop



CABLE TYPE

- Preformed multi-turn copper loop

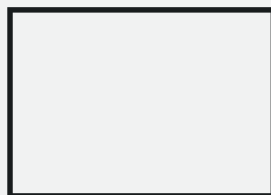
DRIVER

- CLD Series



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

Perimeter Loop



- Copper core cable
- Flat copper tape
- Direct burial cable

- CLS Series



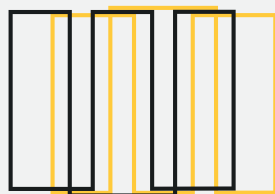
- C Series*



* Networked and Dante® options available.

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

Loss Control MultiLoop™



- Copper core cable
- Flat copper tape
- Direct burial cable

- C-Series
- C-Series Networked
- C-Series Dante®



- Large or unusual shaped areas
- Structural metal present
- Concerns for overspill
- Nearby loop system present

Low Spill MultiLoop™



- Copper core cable
- Flat copper tape
- Direct burial cable

- C-Series
- C-Series Networked
- C-Series Dante®

