

LoopworksTM

Online hearing loop
specification, design and
measurement

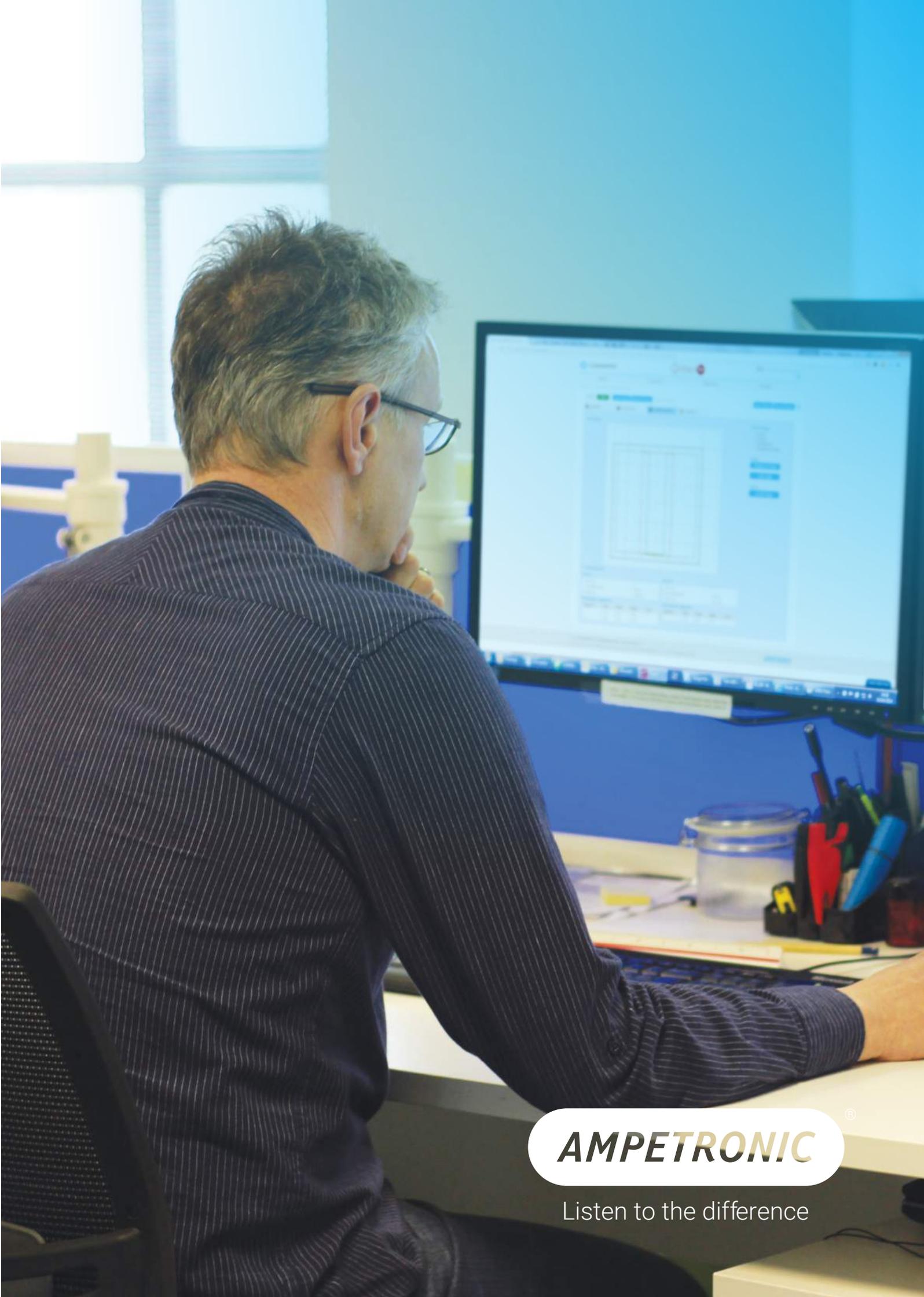
AMPETRONIC[®]

Listen to the difference

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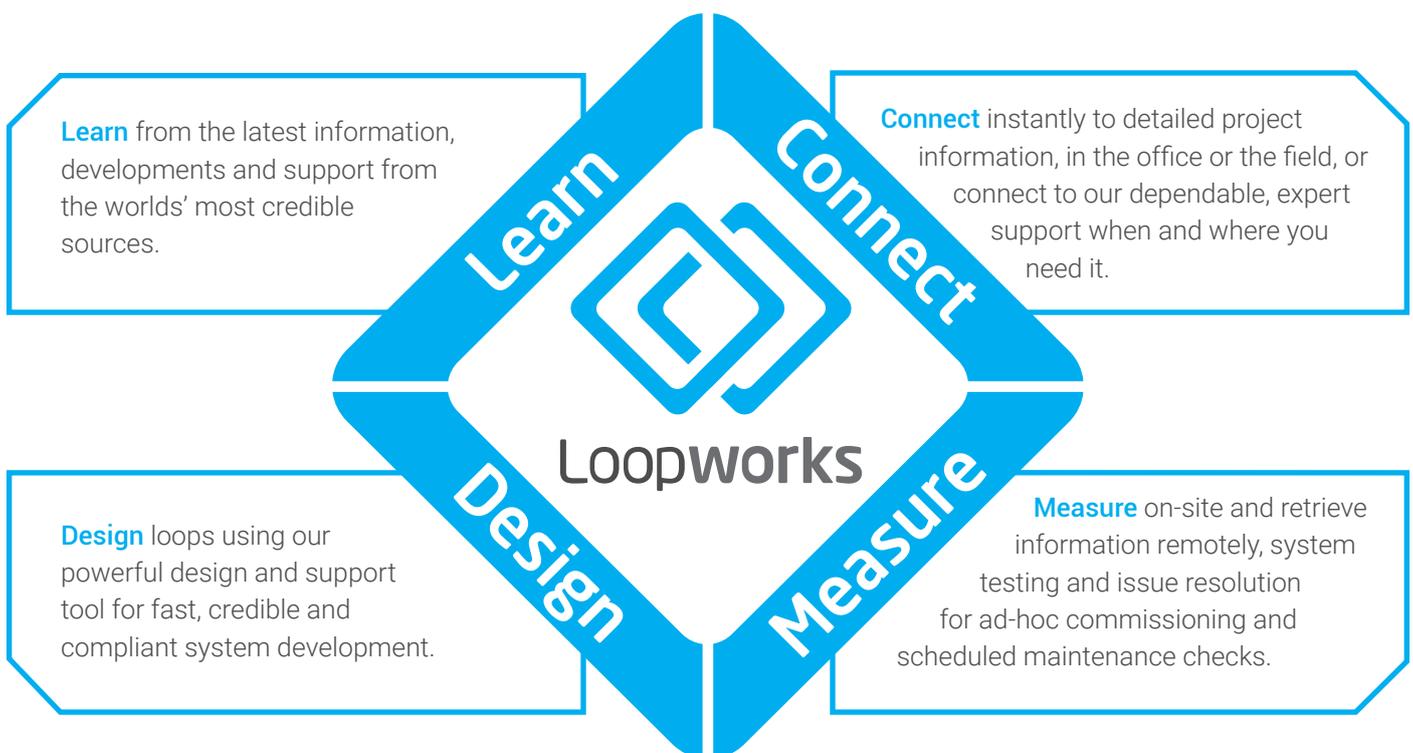
NB: Loops shown in this document are indicative only and not to scale. They are not for use in system design. For detailed designs please contact our friendly and knowledgeable team on +44 (0) 1636 610062 or email support@ampetronic.co



AMPETRONIC[®]

Listen to the difference

Access to expert hearing loop development and testing



Simple, powerful functionality at your fingertips

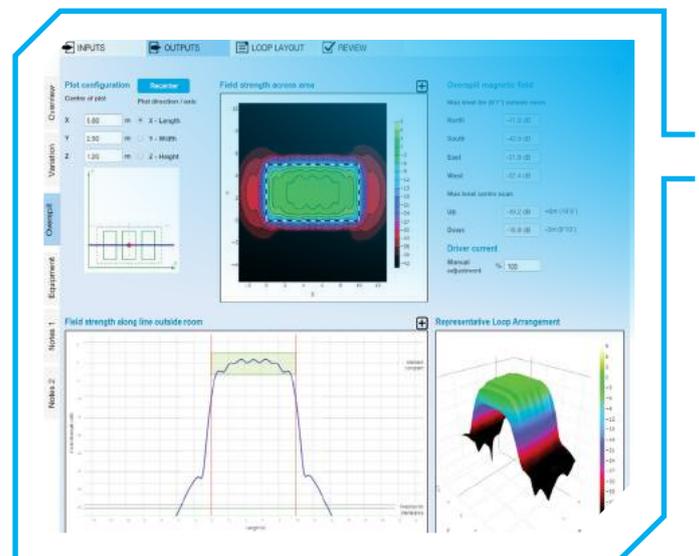
Call, email or register online
+44 (0) 1636 610062
support@ampetronic.co
www.ampetronic.co

Cost effective
Accessible
Dependable

Ampetronic™ Loopworks™ suite of tools includes a powerful Design Tool, Measurement App, accredited training materials and direct access to our friendly and knowledgeable support team.

With access to over 100 years of combined engineering experience, our dedication to our customers and our commitment to assistive listening standards you can be assured we will provide you with all the support and training you need to get the best possible results from Loopworks™.

The combined tools within provide a holistic end-to-end solution to your hearing loop projects that will save you time and money and showcase your standing as a hearing loop expert.



Loopworks™

LEARN • COLLABORATE • MEASURE • DESIGN

Loopworks™ Learn

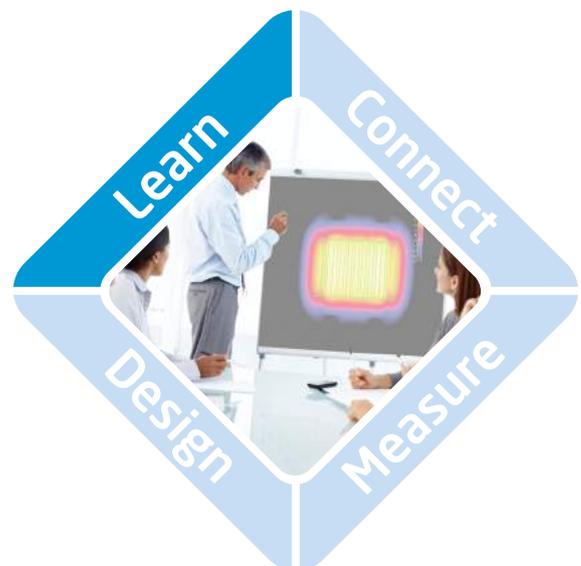
Gain access to the Ampetronic™ Knowledge base
Develop your skills with accredited training materials
Learn in your own way, at your own pace.

Obtain the latest information, developments, training and support from the worlds most credible sources with Loopworks™ Learn.

Learning is core to the Loopworks™ experience. Users can access a repository of learning resources including accredited training materials, courses and webinars plus the Ampetronic advanced knowledge base, built up over our 30 years of market leadership in the design and installation of hearing loops.

Loopworks™ Learn enables you to...

- View the Ampetronic™ advanced knowledge base
- Access training materials, in-person and online courses
- Gain accreditation from CPD and Avixa for your learning
- Retrieve product specifications, data sheets and white-papers



Loopworks™ Connect

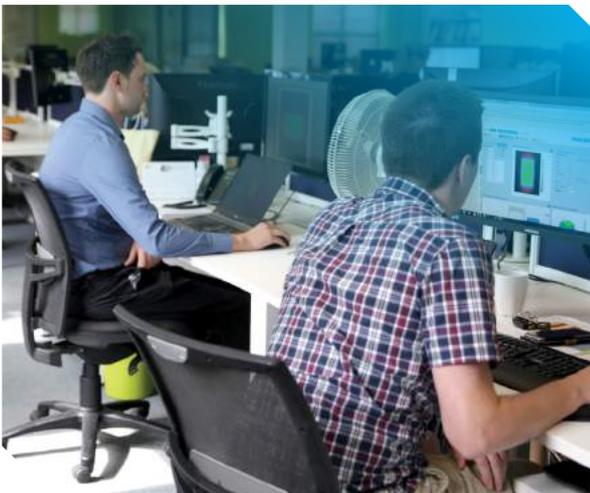
Track your design projects through Ampetronic™ support
Product registration for system and warranty history
Fast issue resolution



Instant access to real-time technical support through our friendly and knowledgeable team minimises project planning, loop design and administration delays.

Loopworks™ Connect entitles you to...

- Integrated support via telephone or live text chat
- Share your projects with colleagues
- Pass designs to Ampetronic and partners for equipment quotes (with Loopworks™ Design Tool)
- Get real-time support and design verification on your projects (with Loopworks™ Design Tool)
- Log support and service tickets and view the status of your projects and project history
- Log and maintain a product registration history



Call, email or register online
UK: (01636) 602160
Outside UK: +44 (0) 1636 602161
support@ampetronic.co
www.ampetronic.co

Loopworks™ Design

Direct access to expert design support

Create Ampetronic™ quality designs in minutes

Save on direct design costs

Design, quote and deliver first-class loop systems with FREE online access to Ampetronic's expertise and the worlds only complete loop measurement and design generation tools.

Add value with Loopworks™ Design...

- **Design Ampetronic™ quality hearing loops in minutes, without charge**
- **Access Ampetronic™ expertise and support whenever and wherever you need it**
- **Simplify quotation, ordering and installation**
- **Access projects and data remotely, anytime, anywhere**

To add value to your design services and save yourself time and money register for access to Loopworks today.

Design loops to Standard

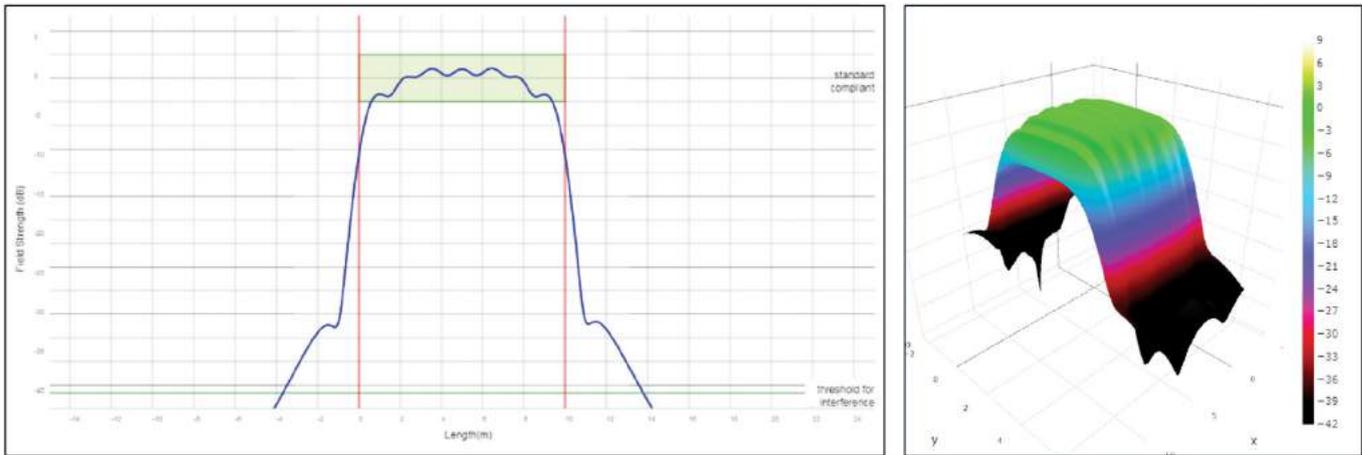
Ampetronic™ Loop systems help to safeguard the rights of people who experience hearing loss (disability access) and, if installed correctly, consistently meet or exceed the performance standards set out by the International Electrotechnical Commission (IEC). In particular IEC 60118-4, IEC 62489-1 and Australia: AS 601118.4, AS 1428.5). Loopworks™ Design tool helps you to ensure that system and performance Standards are met.

Automatic hardware selection

With an almost infinite number of spaces and unique hearing loop systems, Loopworks™ will help you identify and specify the right equipment needed for each loop system defined. Speed up your quotation process and accurately estimate costs with Loopworks™ Design.

View design types

Understanding what installing a designed system would entail can be difficult to envisage. Loopworks™ shows indicative loop layouts, enabling you to estimate time and cost before finalising your plans. Loopworks Design will save you time and money on developing designs and allowing you to offer full project estimates sooner.



Directly access Ampetronic™ support

There are a huge number of variables that can affect the function of a hearing loop system. Technically complex, hearing loop design requires a significant level of expertise. Ampetronic™ is unique in the quality and experience of our support teams. Gain direct access to over 100 years of combined hearing loop experience through Loopworks™.

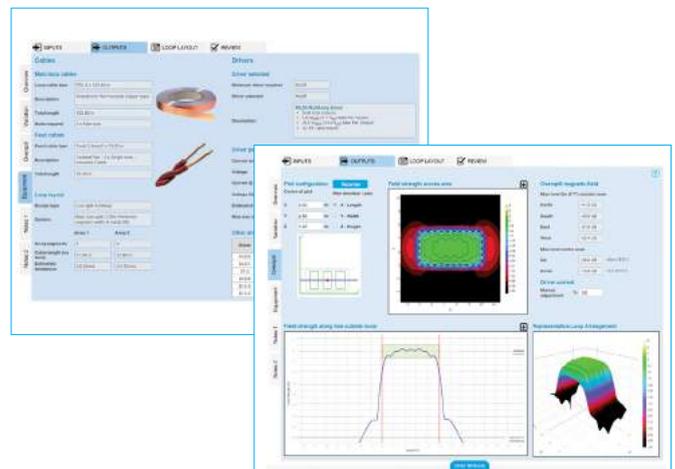
Utilise Ampetronic™ design approval service

To add value to your design, or if there is an aspect of it you are unsure of, make use of Ampetronic™ Loopworks™ approval service. A highly qualified and experienced engineer will check your designs against requirements and standards, suggest alternatives where appropriate and sign off on correct designs - demonstrating to your customer that you have our full support.

Produce comprehensive drawings and specifications

Loopworks™ Design will enable you to publish your design drawings and specifications in a full report including:

- System Design and Specification Summary
- System Performance - Field Strength
- System Performance - Overspill
- Loop(s) Installation Arrangement
- Plan View Installation Reference
- Installation Drawing: Loop Array 1
- Installation Drawing: Loop Array 2
- Electrical Connections
- Export Loop designs in DXF format



Loopworks™ Measure



Complete 'end-to-end' measurement system

iOS compatible device based test platform

Online results processing, logging, reporting and sharing

At the very heart of Loopworks™ functionality is a ground-breaking hearing loop test and measurement system, Loopworks™ Measure.



Consisting of the Loopworks Measure R1 Receiver, an iOS App and the Loopworks™ online productivity suite, Loopworks™ Measure makes it possible for you to test the functionality of a hearing loop and its performance against standards in the field, store and share the results online and issue reports and system certificates. If used in combination with Ampetronic C and D Series networkable drivers, Loopworks Measure enables you to control and test the driver remotely for fast and convenient commissioning and monitoring.

Featuring...

- Simple, intuitive user interface
- Standard measurement modes
 - Field strength
 - Frequency response (in 1/3rd octave bands)
 - Background noise (in 1/3rd octave bands)
- Automated test result "Pass / Fail" Verdict system
- LoopLink to connect the app to C Series and D Series networkable drivers
 - Control a C or D Series driver's test signal from the app
 - Associate a C or D Series driver with a project/system
 - Link to drivers web interface for advanced controls
- Record audio samples
- Built in protocols for standard test routines
- Automatically generated reports and certificates featuring your company logo
- Project and system structure shared with Loopworks Design

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Loopworks™ Measure online productivity suite

The Loopworks™ Measure online suite gives you access to the full range of Loopworks™ functionality including:

- saving data and recording audio
- setting up systems and test points
- generating technical and commissioning reports
- issuing Standards compliance certificates

The App

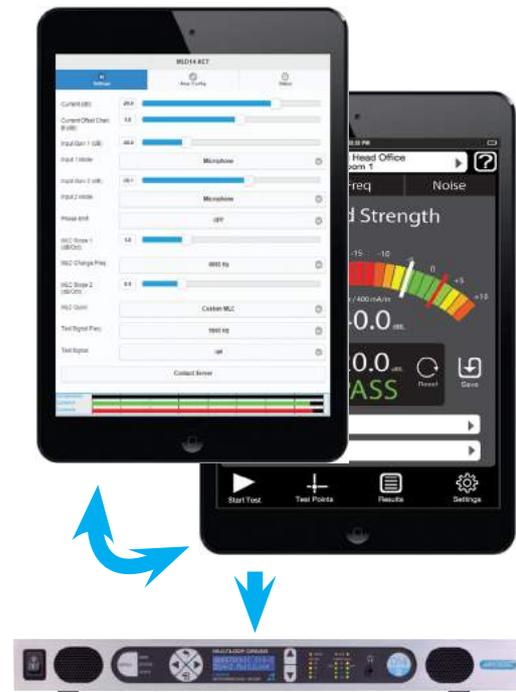
The Loopworks™ Measure iOS App will synchronise collected data with the Loopworks online suite (subject to a wireless network being available); making it possible for you to view, analyse and share the results online, and create test and certification reports.

The Loopworks™ Measure system helps those with even the most rudimentary training to either assess whether a hearing loop system is functional or to measure it against Standards for hearing loop performance.

For more advanced users, the integrated walk through guides revolutionise test, measurement and commissioning processes. The iOS App provides step by step instructions on what to measure and the type of input signal to use at each stage. Measure also has the facility to save meter readings and audio samples to the Loopworks™ portal for later analysis, enabling you to share them with colleagues or to produce professional quality technical reports and commissioning certificates.

The Receiver

The Loopworks™ Measure R1 Receiver is a high quality audio induction loop receiver with a vertically mounted pick up coil designed to be used in conjunction with the Loopworks™ Measure iOS App. The App and Receiver together become the most accurate, dedicated field strength meter (FSM) available.



Loopworks™ Measure App with LoopLink also enables you to remotely control the test signals of a connected Ampetronic C or D Series driver, change the settings via the drivers web app and see the results in the performance of the magnetic field instantly without repeated journeys between the amplifier and looped area.

System Design Support and Training

System design support

If required, Ampetronic™ can provide a full installation design service to give you a fully working and standard compliant solution to any loop installation.

Some areas require a more bespoke design approach, to account for irregular shapes, flexible spaces or placing wires around obstacles such as fixed seating.

For each project, an installation design charge will apply to each unique MultiLoop™ system design.

Ampetronic can design systems for installation in even the most complex and challenging spaces.

Each full installation design gives you:

- **Scale drawings of the room showing the precise layout of loop wires**
- **Layout drawings for each loop array**
- **Electrical connection drawings**
- **A set of installation design notes detailing assumptions, project specific information, expected performance, and an equipment list**
- **DWG and PDF files of loop layout designs**

Installation designs rely heavily upon the quality of information supplied to us. In particular, accurately scaled building drawings are essential together with detailed quotation information.

Training

Ampetronic™ CPD (Continued Professional Development) training services are designed to provide technical and general training for end-users client and consultants, as well as a foundation for the professional installer and systems integrator.

We provide full day in-house training courses covering all aspects of hearing loop systems aimed at audio-visual professionals, specifiers and contractors, and also free educational CPD seminars for general awareness and sales team training which, can take place at a venue of your choice, or viewed online in Loopworks Learn.

For details of our FREE accredited 1 hour 'Equality of access to audio for people who experience hearing loss' seminar or of our full day classroom based course 'Practical Installer Training Day', please contact the office on **+44 (0) 1636 610062**

Training videos and product demonstrations can be viewed online at the **Ampetronic™ YouTube Channel.**



Accessories, Receivers and Measurement Systems

Installation Accessories

In addition to hearing loop drivers Ampetronic™ can provide you with the accessories needed to successfully install and commission a hearing loop system including...

- Flat copper tape
- Direct burial cable
- Printed warning tape
- Hearing loop signs
- PVC extrusion for copper tape
- Crimps and crimp tool for copper tape
- Wall mounts
- Rack mount equipment
- Counter loop accessories



Loop Receivers

ILR3 and ILR3+ Audio Hearing Loop receiver

The ILR3 is a high quality audio hearing loop receiver which allows the user to listen to an audio frequency hearing loop system using a standard pair of stereo headphones. The ILR3+ is designed to make it simple for anyone to regularly check that a loop system is working and has a field strength that is at the correct level to provide benefit.



Testing and Measurement Systems

Loopworks™ Measure app

Loopworks™ Measure combines a phone or tablet App that utilises a self-calibrating Receiver that when used together, become the most accurate, dedicated field strength meter (FSM) currently available. This can help to ensure the requirements of IEC 60118-4 have been met.

Loopworks™ allows all results to be stored in the cloud simplifying the management of rooms across multiple buildings and sites.



Loopworks™ Measure receiver field strength meter (R1)

The R1 Receiver is a high quality field strength meter and audio hearing loop receiver designed to be used in conjunction with the Loopworks™ Measure iOS App.



FSM Field Strength Meter

The FSM is a cost effective and simple solution for measuring, setting up and commissioning a hearing loop system to the requirements of IEC 60118-4. There are three calibrated operational modes for the assessment of Background Noise, Field Strength and Frequency Response. The meter also doubles as a loop listener.





Providing a genuine benefit.

To find out what we can bring to your project talk it through with our expert team on +44 (0) 1636 610062 or email us at sales@ampetronic.co

AMPETRONIC®

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