



HEARING LOOP SYSTEMS HIRE

SOUND INNOVATIONS FOR HEARING IMPAIRED PEOPLE

Ferrosound aim to provide a comprehensive and flexible Hire Service for both professional and community users, enabling you to include hearing loop systems as part of your own customer service, with a minimum of specialised knowledge and expertise.

Our AFILS design engineer will be on telephone stand-by to provide technical support, if you run into any snags on site.

Defining the Area of your Loop - ideally the whole seating area of your meeting

The ideal is not always possible. Although Ferrosound hire systems are available to cover loop areas up to 500 square metres, this will depend on the shape of the loop and any factors which may adversely effect the performance of the loop system. Such factors may include *metal losses* and magnetic *interference* fields.

Metal losses commonly occur in steel frame buildings and may necessitate the use of a more powerful loop amplifier or a smaller loop, in order to achieve the correct sound level in the hearing aid. **Magnetic interference** may occur in any venue due to the proximity of mains cables or equipment and cannot be ignored because it will induce noise in hearing aids when they are switched to 'T'. Noisy patches within your loop area must be avoided, if possible. Your hire equipment will include a loop receiver, with which you can monitor both the interference and general quality of the loop signal.

We will design your hire system to take account of these factors provided you supply us with information about your venue, in particular, whether or not your venue is part of a steel frame building. If you have used the venue previously, we will need to know if you have had any problem with magnetic interference.

THE MENU – ALL PRICES EX-VAT Effective from 1st July 2011

A. SURVEY & DESIGN: £85.00 per room

The survey is an essential prerequisite for a first-time installation in any venue. See **Survey Options** on page 3.

B. HIRE ONLY: first day £85.00 ~ additional days £60.00 ~ max £265 per week.

Hire-only will include all the necessary equipment and operating instructions to complete and test your installation.

Please note that the entry price level of £85.00 per day applies only to collection and return of equipment within a 24 hour period. Extended hire will be charged at £60 per day.

C. FULL COMPLETE SERVICE

This includes site survey, design, supply, set-up and test, including delivery to and collection from site. In all cases we will require briefing as to the venue size and shape, type of meeting and any other details which may bear on the system design. This is best done in a telephone consultation. However, we strongly recommend that a survey be completed prior to the first time installation of a loop system in any venue.

Microphones and accessories have to be ordered separately according to the nature of your meeting, for example, theatre style, board, round table or workshop. We need to know how many microphones you need.

D. MICROPHONES AND OTHER OPTIONS: charge per day

- Wireless microphones (hand held or clip) £25
- Boundary microphone £20
- Wired microphone £15
- Microphone stands (specify floor or table) £5
- Loudspeaker systems, from £45

E. FULL INSTALLATION, SET-UP & TEST, UNINSTALL SYSTEM: £75.00

Please note that the induction loop driver compression, loop current and metal loss correction must be set up and monitored by a technician who is fully conversant with AFILS technology. If we have prior notice of your venue details, this system will be correctly set by Ferrosound before despatch.

F. TRAINING: £125.00 per 2-hour session.

Ferrosound offer training for lay people who are involved in setting up and operating AFILS and other sound systems. This rate includes training materials and provides hands-on experience for up to eight people.

G. TRAVEL: £1.25/m including technician's travel time.

H. TRANSIT: by carrier (POA) or customer collects and returns hire equipment.

SPECIAL LOOP DESIGNS

Special designs, for which a survey is essential, may be required for multiple loops in close proximity, larger loop areas and areas where metal losses are significant. Prices will be subject to survey.

TECHNICAL SUPPORT

Hire customers may telephone for technical support if they have any problems with the set up or operation of the systems. In the unlikely event that you will need to call out our engineer, charges may apply for travel expenses and engineer's time.

Tel: 0333 456 0880 **Mobile:** 0771 2468 250

INSURANCE, SAFE CARE & SECURITY OF EQUIPMENT

Please note that our customers are responsible for the safe care, operation and security of all hired equipment, cables and accessories during the hire period, including 3rd party risks, both on and off site, and during transit by or on behalf of the customer.

SURVEY

We can arrange to do a new venue survey ahead of your conference or other function. However, this will have to be agreed with the venue as will responsibility for costs of the survey.

See full survey details on following page.

SURVEY OPTION

The initial survey is very important. However, this is only required prior to the first-time use of the venue for a loop system. The purpose of the survey is to assess the suitability of the venue for the operation of an AFILS. As such, it is an *essential prerequisite for a first-time loop installation in any venue*.

It is important that the AFILS conforms to **BS 7594** (Code of Practice) in relation to electro-magnetic field strength, frequency response and other aspects, in so far as this is possible with a temporary installation.

To this end, the survey includes the following essential elements:

1. **Measure loop area dimensions** in order to calculate aspect ratio and theoretical peak loop current.
2. **Monitor electromagnetic interference:** (EMI) within loop area from all possible sources, especially lighting circuits, to assess viability of AFILS

It is not uncommon for EMI to be so bad, often due to mains lighting loops, that a loop system simply cannot be used. In this event, we can supply a suitable wire-less infrared or radio system – but note: each user will require a receiver unit with headphones. (POA).

3. **Assess metal loss effects:** install test loop, and complete basic frequency response tests. Determine metal loss correction, if practicable within the limits of a temporary installation.

It is often necessary to use a higher current loop-driver than would be theoretically specified for a given loop area. This applies to many modern buildings with a high metal content. For example, an area of 100 sq. metres may require a loop driver designed to cover an area of 450 sq. metres (without losses).

4. **Evaluate other factors** that may modify the design and set-up parameters of the AFILS or, in the worst case, preclude the use of a loop system altogether. Such factors include *unusual loop shape*, *ambient noise* from traffic or air conditioning, and a requirement for multiple loop systems in close proximity.