

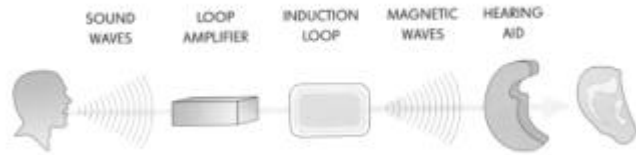
Overview

Most hearing aids in the UK have three control positions: (M) for microphone, (T) for telecoil and (O) for Off.

The normal position is (M) where the internal microphone collects sounds. When the (T) position is selected, the internal microphone is disconnected and the telecoil receives magnetic waves from an induction loop system and converts the waves back to sound.

Induction Loop Systems generally provide improved amplitude and clarity of sound by using better microphones and electronics than are fitted in most hearing aids.

The KTP Microloop also uses advanced noise cancelling circuitry to filter out low frequency background noise thus enhancing speech clarity for the hearing aid user.



Privacy

Large area induction loops use wire around the perimeter of the room to transmit magnetic waves to everyone inside the room but unlike sounds, magnetic waves are not restricted by wood or glass security screens and they will transmit an equal distance outside the room as well, which can lead to confidentiality issues depending on the use of the room.

The KTP Microloop is a special 'small area' induction loop, designed for restricted transmission and privacy. Typical areas of use are cashier points, reception areas, enquiry and customer service desks.

A hearing aid wearer within approximately 1 metre radius of the KTP Microloop system will hear what is being said clearly. Outside that area, no other hearing aid wearer will be able to hear your conversation.

Because the KTP Microloop amplifies your voice being transmitted to the hearing aid wearer, you will not need to shout and as a result of this, your conversations are less likely to be overheard by other people.

Benefits

The KTP Microloop will provide the hearing aid wearer with a better clarity of sound with reduced background noise, so they will have a greater chance of understanding what is being said. This also reduces the embarrassment of having to shout, the delay of having to repeat words and the risk of misunderstandings therefore making conversations more relaxed and friendly.

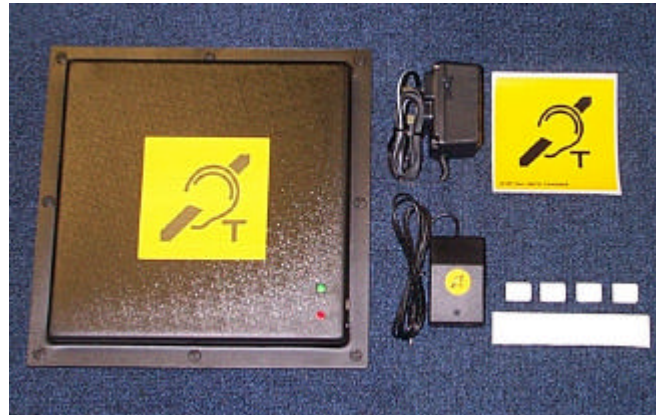
1

Installation:

The KTP Microloop is one of the few systems on the market today specifically designed for self-installation, requiring no special skills and no tools.

The KTP Microloop system comprises of:

1. The Microloop box 270 x 270 x 26.5mm containing the electronics, induction loop antenna, power socket and microphone socket.
2. Power Supply Unit – a 9v mains transformer for use in a standard 13 amp square pin mains socket with a power cable approximately 1.5 metres long terminating with a 2.1mm DC plug
3. Microphone – a small 70(L) x 44(W) x 27mm(H) special microphone box attached to 1.5 metres of miniature screened cable terminating in a 3.5mm jack plug.
4. Self-adhesive pads to attach to the back of the loop box to facilitate vertical or horizontal fixing and to secure the microphone if required.
5. Self-adhesive T Loop sign.
6. 4 self-adhesive cable clips.



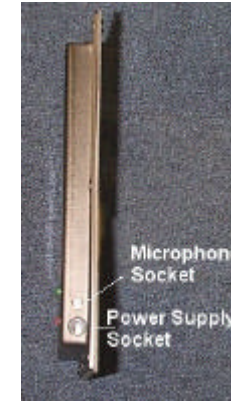
The magnetic wave from the loop box will radiate approximately 1 metre from the loop box and therefore this must be a consideration when deciding the location of the box relevant to where your customer will be standing / sitting.

Try to keep the box away from other types of electronic equipment such as televisions, computers, computer monitors and mobile telephones as these items can cause interference and background noise to the system.

The magnetic waves from the loop box will pass through wood and glass enabling the loop box to be fitted horizontally under a desk / counter or attached vertically to the inside of the desk modesty screen (front of desk) or front counter screen.

2

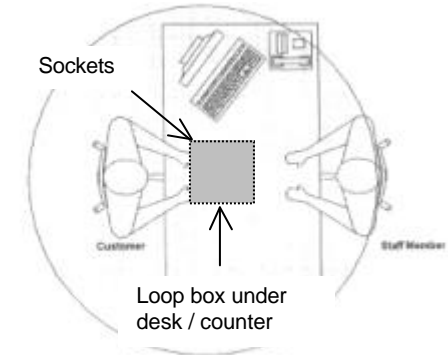
Optional extension cables are available (at extra cost): power supply lead: (3, 5 and 10 metres each). Microphone lead: (3 metres each).



Locate the two sockets on the side of the loop box and when positioning the loop box under the top of a desk / counter, ensure that the sockets face to the front of the desk / counter (away from where you would normally sit) – this ensures that the cables are kept away from your work area and avoids accidental disconnection of the microphone / power supply cable.

Try the loop box into position before finally fixing to ensure it will fit in the desired location because once it is fitted, it will be very difficult to remove and will require new adhesive pads for re-fitting.

Fit the adhesive pads onto the flat surface of the rear of the loop box - in the four corners. **Do not stick the pads on the rivets.** Remove the protective paper from the pads, position the loop box and press to the desk / counter surface firmly in all four corners.



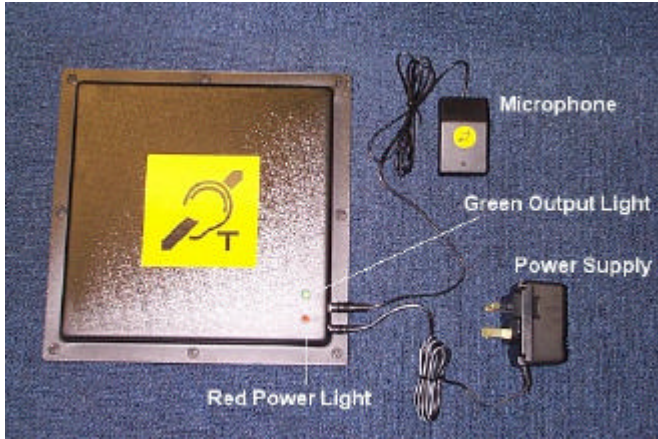
Place the microphone in a convenient position on the desk / counter and run the cable plug to the loop box and connect by pushing into the socket firmly.

Connect the power supply DC plug to the loop box socket (push fit) and connect the power supply to a normal 13 amp square pin socket. Secure any loose cable to the desk / counter frame using the self-adhesive cable clips supplied.

Switch on the 13-amp power socket where the power supply is fitted and the RED power light on the loop box should be illuminated.

Gently tap the top of the microphone and the GREEN output light should flash indicating that sound is being received and being transmitted as magnetic waves.

3



The unit is now fitted and working – there are no user adjustments to be made as each system is set for optimum performance during manufacture.

Fit the self adhesive T Loop sign in a prominent position close to the desk / counter fitted with the loop to make hearing aid users aware that the facility is available and secure the microphone to the counter / desk top using the two spare adhesive pads if required.

Use

The system requires no user input as it is permanently switched on. Just talk normally towards the microphone and do not allow the microphone to become covered with papers etc.

Maintenance

The KTP Microloop is virtually maintenance free. However there are some simple procedures that should be carried out from time to time to ensure the best results.

Check that the red power light is illuminated on the loop box (if not check that the power supply has not been turned off or disconnected).

Check that the green output light on the loop box flashes when the microphone is gently tapped (if not check that the microphone plug has not been disconnected from the loop box).

Check the sound quality using a hearing aid or loop tester to ensure that interference is not being caused by localised electronic equipment.

NOTE T Loop signs are fitted to the microphone and loop box for the purpose of identification – so that third party maintenance engineers do not disconnect or remove as redundant equipment.



4

Microloop Portable User Guide

The Microloop Portable has been designed as a stand-alone small area induction loop system for one-to-one and small group meetings. The effective transmission range is one metre radius from the unit.

The system comprises of the control box with built in microphone, electronics and rechargeable batteries and a separate battery charger / power supply.

Usage

The control box should be placed flat on a table or desk with the loop sign facing upwards and within one metre of the hearing aid wearer. Press the red push button and the RED power light will illuminate confirming that the system is working. As the microphone receives sound, the GREEN light will flash confirming that sound is being transmitted to the hearing aid wearer. The microphone is located in the top centre of the control box – avoid covering the microphone, as this will reduce the amount of sound being picked up.

Note: The hearing aid needs to be switched to the T position to receive the induction loop signal.

Extension Microphone

An optional extension microphone can be purchased to increase the sound pick-up coverage, for instance in a larger group meeting, the microphone can be placed up to 1.5 metres away from the control box and closer to the sound source.

Battery Charging

To charge the internal batteries, plug the charger into a 13amp wall socket and plug the small charger plug into the charging socket on the side of the control box (same side as the on /off switch).

The system should be charged for **6 hours before first use** and then as and when required. **Normal recharging after the first charge will take 3 hours. DO NOT OVER CHARGE**

The RED power light will dim and the GREEN transmission light will fail to flash as the batteries become discharged indicating that recharging is required. **Use only the battery charger supplied** – the system can still be used while battery charging is taking place.

GUARANTEE

The KTP Microloop is guaranteed against mechanical and electrical defects for a period of 12 months from date of purchase. Should the product become defective during this period it must be returned to KTP, carriage paid for inspection and repair. Accidental damage, misuse, and service items are not covered by this guarantee.

This guarantee is limited to the repair / replacement of parts and components as determined by the manufacturer and claims for loss of use or consequential loss, however caused are specifically excluded. Any repair attempts or modifications carried out by third parties will invalidate this guarantee immediately.

Whilst the majority of Hearing Aid wearers will notice an appreciable improvement from the fitment and use of the Microloop, there will be some that will not. This is due to the type and severity of their hearing

disorder and is not a defect with the Microloop but applies to all induction loop systems irrespective of make or manufacturer.

5



Microloop

**Mains & Portable Short Range
Hearing Induction Loop System
(AFILS)**

**Fitting
&
Operating Instructions**

Manufactured in the UK by

KTP Security & Communications

Unit 1
The Close
Yew Tree Lane
Bradley
Derbyshire
DE6 1PG

Tel: 0870 7449968 Fax: 0870 7449969

sales@ktpuk.com
www.microloop.co.uk