Geemarc LoopHEARTM102V2 Boucle D Induction Portative Instruction Manual

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Contents

IMPORTANT INFORMATION

!!! Please refer to our website: www.geemarc.com for an up to date user guide, as there may be important updates and changes you need to be aware of !!!

INTRODUCTION

Congratulations on purchasing your GeemarcTM LoopHEAR M102V2. This is a portable induction loop system that can be used in a variety of locations, both public and private.

This tough but light unit is easily transported and integral batteries allow it to be freestanding. These batteries are both replaceable and rechargeable and long usage can be expected (up to 24 hours). The loop is contained within the unit hence there are no trailing wires. The LoopHEARTM102V2 will cover an area of approximately 1m2 /3.3ft2. There is an integral microphone that picks up speech and conversations. An external microphone may be added if required (supplied). This induction loop system is designed to assist hearing aid users by transmitting direct to their telecoil equipped hearing aid (which must be switched to the 'T' position).

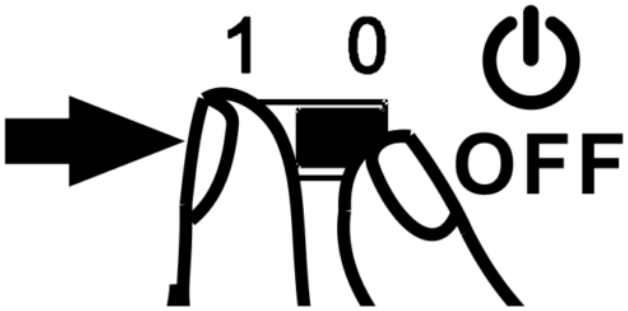
Note: users of digital hearing aids must make sure their aids have been programmed for use with the 'T' setting.

The outer carton has been specially designed as a handy carrying case. It is recommended to retain this carrying case to enable safe transportation when transporting the LoopHEARTM102V2.

It is important that you read the instructions below in order to use your GeemarcTM LoopHEAR M102V2 to its full potential. Keep this user guide in a safe place for future reference.

RECOMMENDATION

We recommend that to preserve the environment, you switch the button on/off to off after each use. The RED LED indicator will switch off.

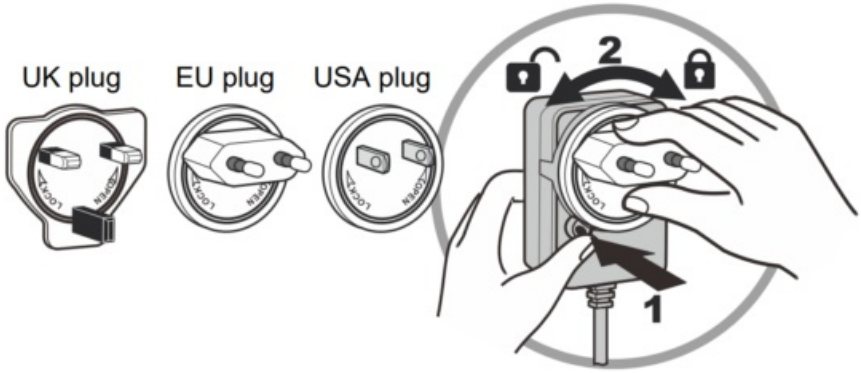


Unpacking the LoopHEARTM

When unpacking the LoopHEARTM102V2 , you should find the following in the box:

- 1 LoopHEARTM
- 1 power adaptor/charging unit. There are several country specific power adaptor/charging units. The one supplied is dependant on country of purchase.

Europe version – VDE type power adaptor with right angled plug
International version – Universal type power adaptor with detachable plugs suitable for UK, Europe and USA



AC/DC Adaptor

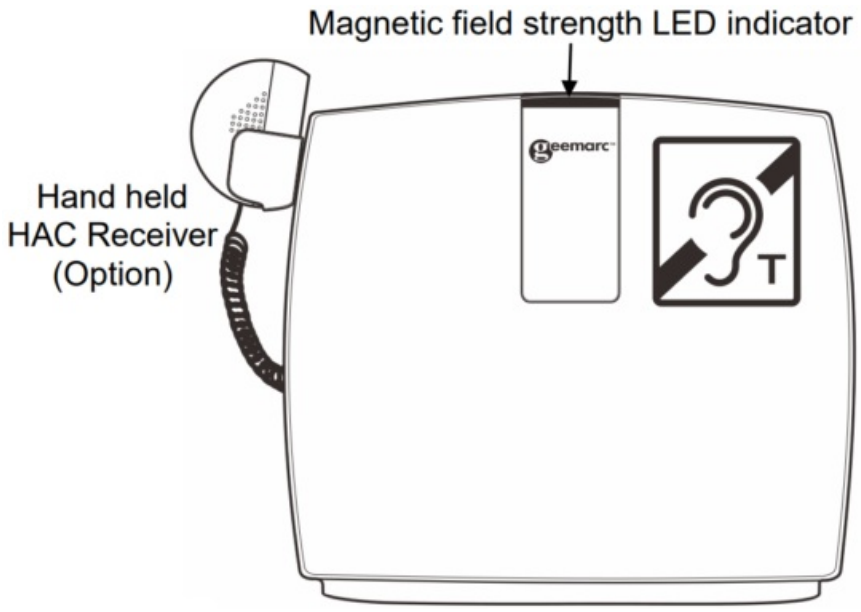
MODEL: ABT015150D
INPUT: 100V-240V ~ 0.5A 50/60Hz
OUTPUT: 15V 1.5A, 22.5W
EFFICIENCY LEVEL: VI

- 2 base plate mounting screws and washer
- 1 hand held HAC receiver (option)
- 1 external desktop microphone (option)
- 1 user guide
- 9 batteries NiMh 1.2V/1000mAh

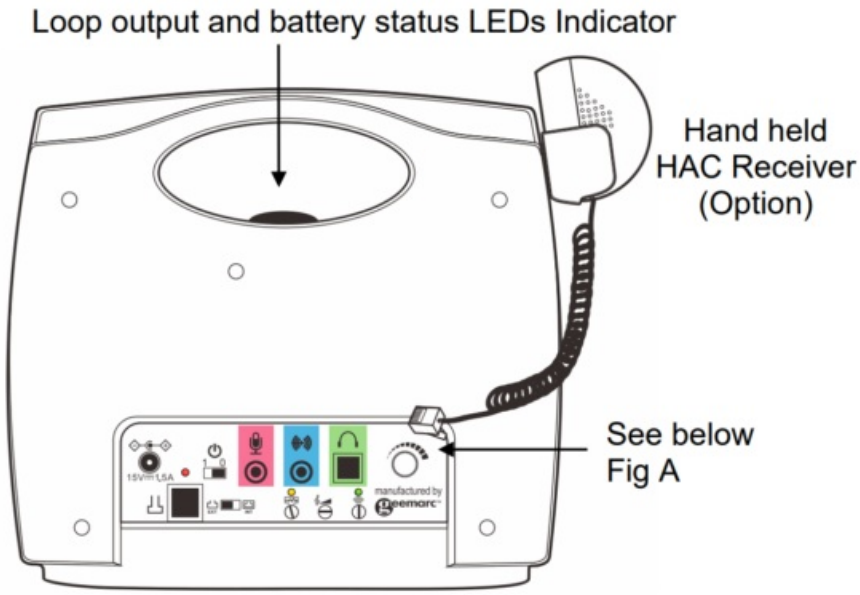
DESCRIPTION

General Description

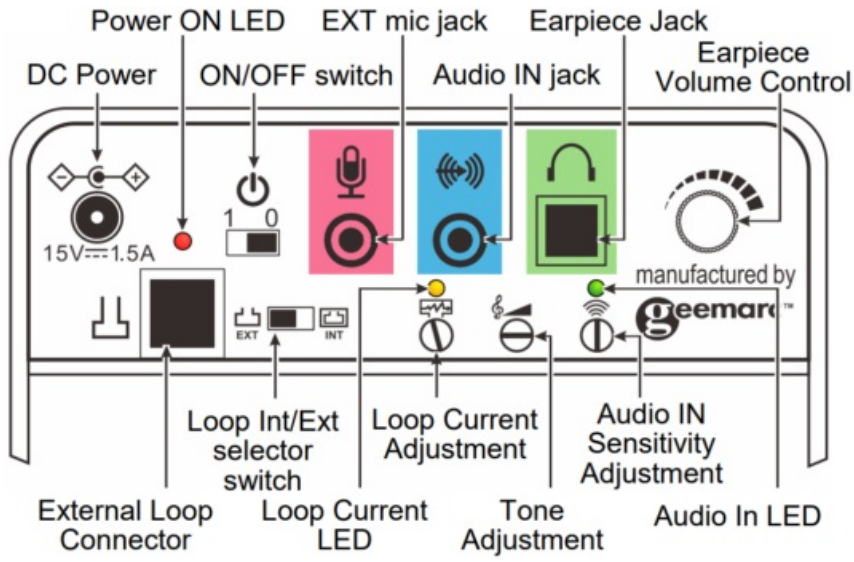
Front View



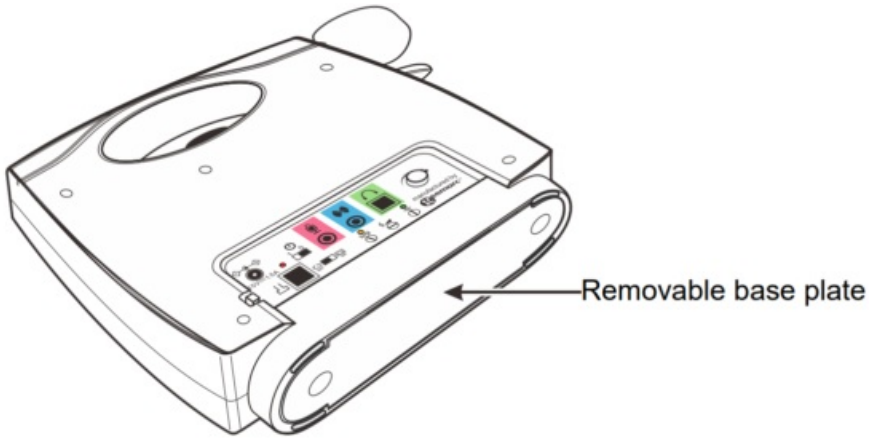
Rear View



Rear View (Fig A)



Base View

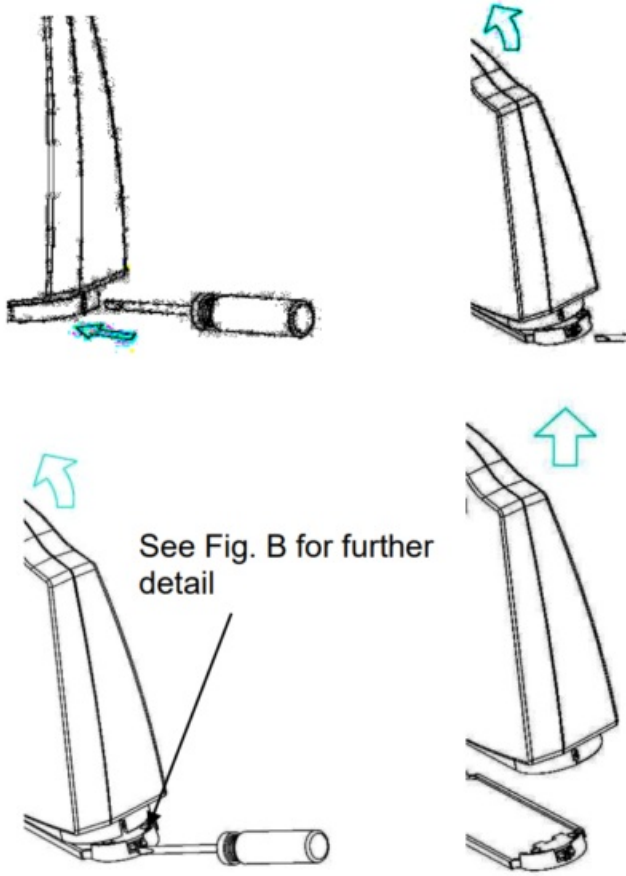


INSTALLATION

Setting Up

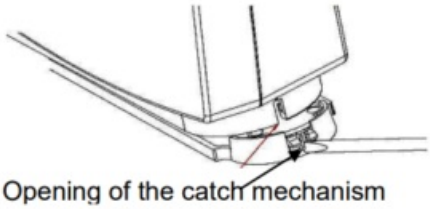
Batteries Charging

Remove the base plate from the unit as shown below:



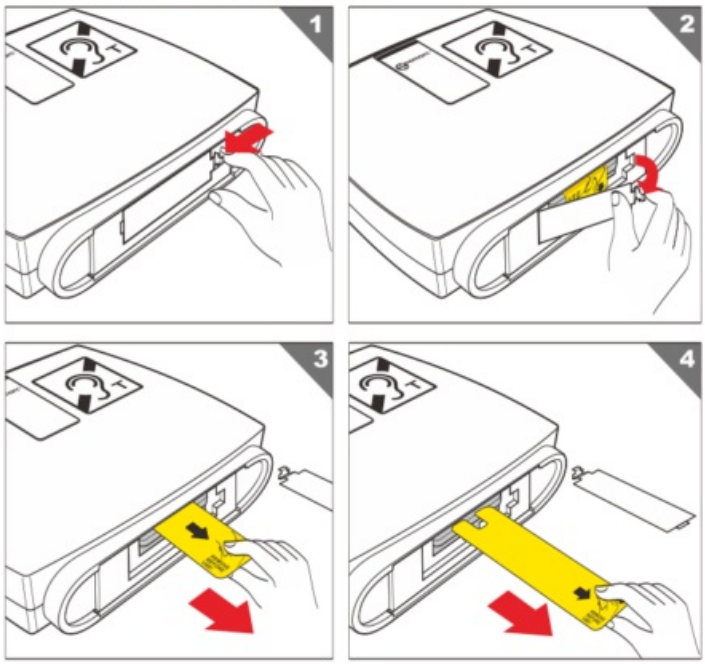
Insert a screwdriver into the opening of the catch mechanism, found on the bottom right of the base plate. Push the catch gently with the screwdriver – this will release the base plate. Lift the LoopHEARTM unit off the base plate.

Remove the batteries door (1,2). Remove the battery tap (3, 4). Replace the batteries door.



Opening of the catch mechanism

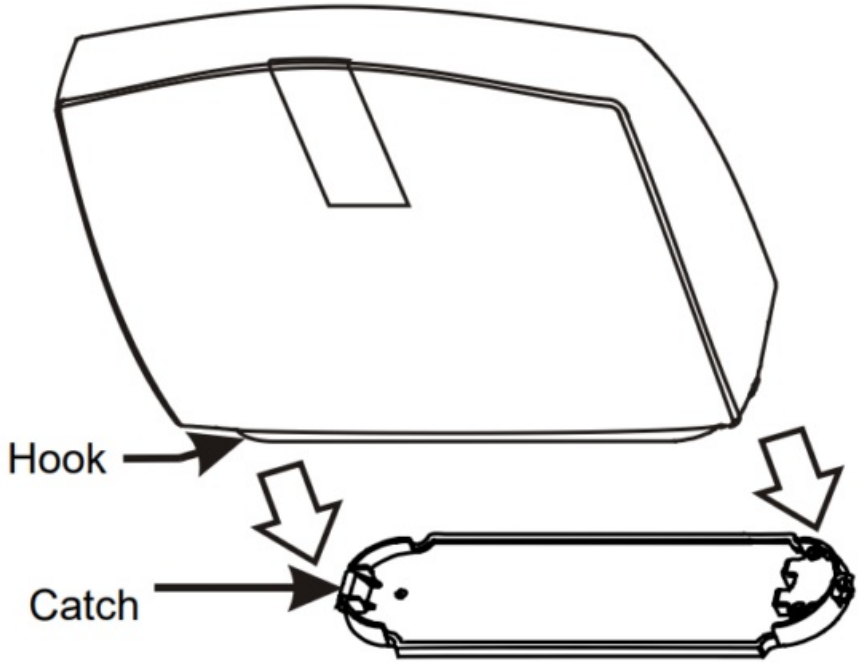
Fig B



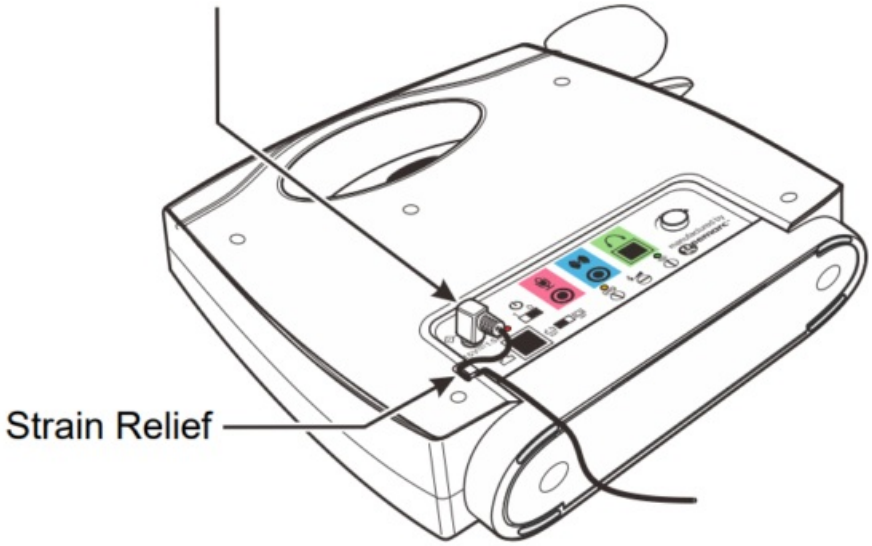
WARNING:

USE ONLY THE BATTERIES AND AC ADAPTOR SUPPLIED WITH THE UNIT OR BY GEEMARC. USING ANY OTHER BATTERY OR AC ADAPTOR MAY CAUSE SERIOUS MALFUNCTION AND RENDER THE GUARANTEE VOID.

Replace the base plate by placing the hook found on the bottom left of the LoopHEARTM into the catch on the base plate. Press the LoopHEARTM down gently until you hear a click.



Plug the power cable into the power socket found on the rear of the unit. Plug the adaptor into the mains supply and switch the supply on.



Please use the strain relief mechanism as displayed. This provides extra protection for the cable at the connection point. It will extend the life of the power cable and reinforce the connection to the equipment.

The LoopHEARTM Batteries will need to charge for 8 hours before it's first use.

The WHITE LED indicator below the handle will light up when the batteries are charging. The LED indicator will turn GREEN when the batteries are fully charged but when charging the first time, let the batteries charge for about 8 hours before use.

Locating the LoopHEARTM

In order to receive the optimal sound from the LoopHEARTM, the ideal location is facing the user. There are two options when locating the LoopHEARTM.

Fully Portable

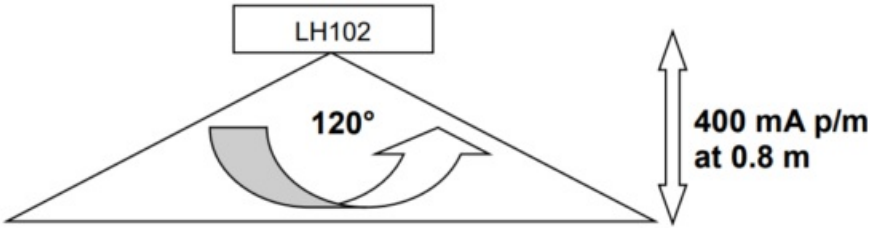
The LoopHEARTM can be used as a fully portable unit with or without the base plate attached. It can be used in a variety of locations with no setup required and can be used immediately.

Semi Fixed

If you want to ensure the LoopHEARTM stays in one place, then it can be used as a semi fixed unit as follows:

1. Choose the location to fix the LoopHEARTM. Please bear in mind the range of coverage available (see below). Ensure you make full use of it.
2. Remove the base plate–as described in Battery Charging above.
3. Screw the base plate to the table or desktop with the screws provided.

4. Replace the base plate–as described in Battery Charging above.

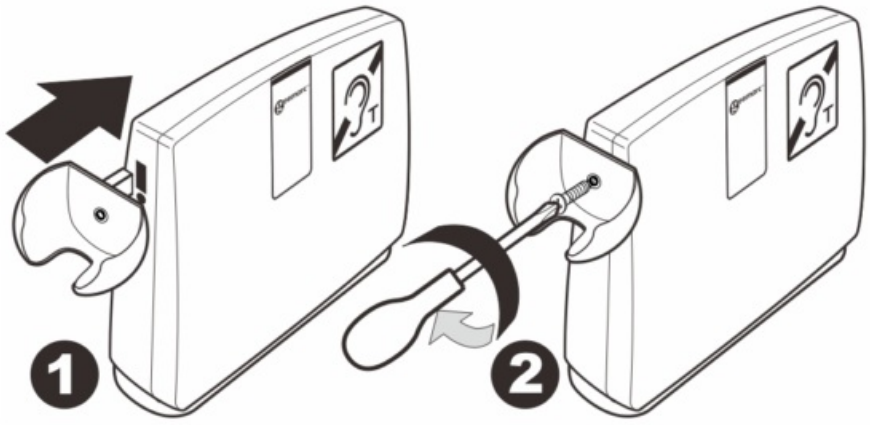


USING THE LoopHEARTM

FIXING THE HAND HELD Listener HOLDER (option)

The hand held listener holder can be attached to the LoopHEARTM on the left hand side or the right hand side, depending on where it would be convenient for use. In order to fix the attaches the receiver holder:

1. Insert the lug at the side of the holder gently into the slot in the cabinet.
2. Insert the screw provided with the holder into the hole of the holder and into the hole in the side of the cabinet, and tighten the screw fully using a screw driver.



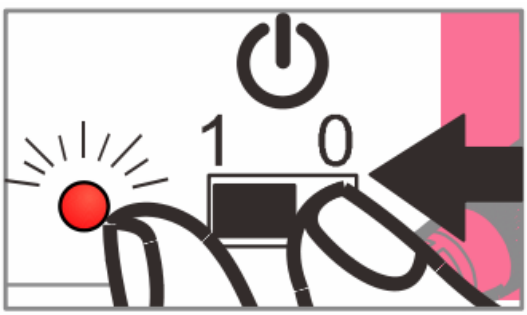
The handheld receiver can now be placed in the holder.

Note:

The handheld receiver has a built in magnetic sensor which will ensure that the receiver cuts out when it is replaced in the holder.

Turn the LoopHEARTM On

Turn the power switch found at the rear of the unit to the 1 position. The power indicator RED LED next to the switch lights up.

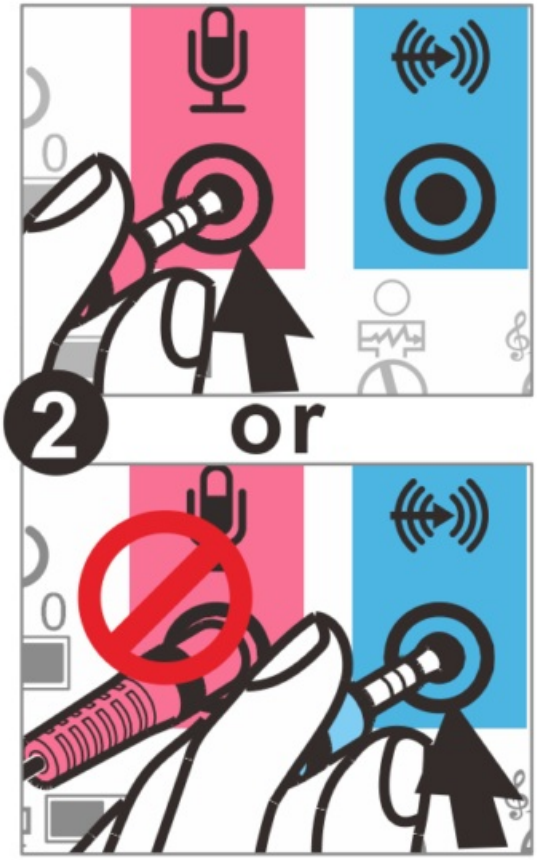


Turn the LoopHEARTM Off

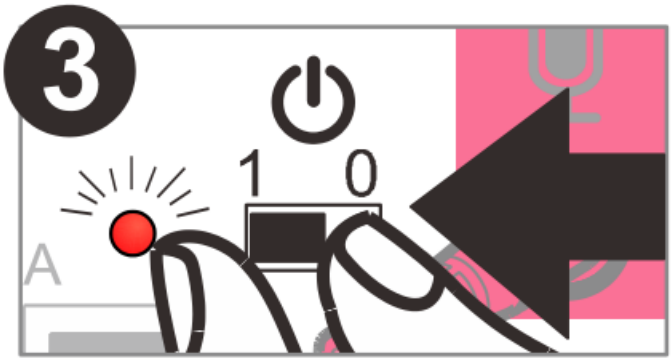
After use, turn off by setting the power switch at the back of the unit to the 0 position.

INSTALLATION & OPERATION

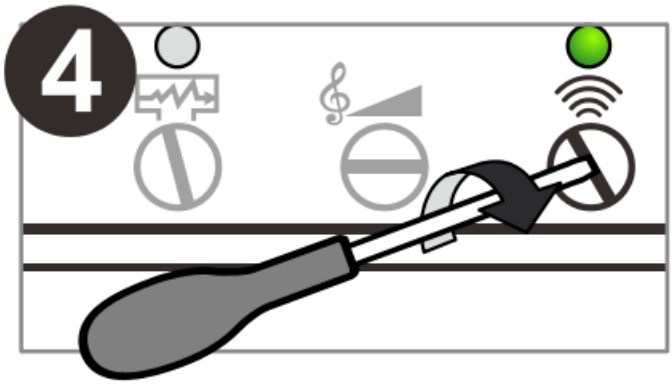
1. Choose a suitable location, free from magnetic or electrical interference for installation and use of LH102. Install the LH102 ensuring that the cables are securely anchored.
2. Connect the desktop Microphone to the Mic jack. (or If needed connect an Aux device to the Aux input jack). Please note that if an Aux device is connected, the MIC will be switched off.



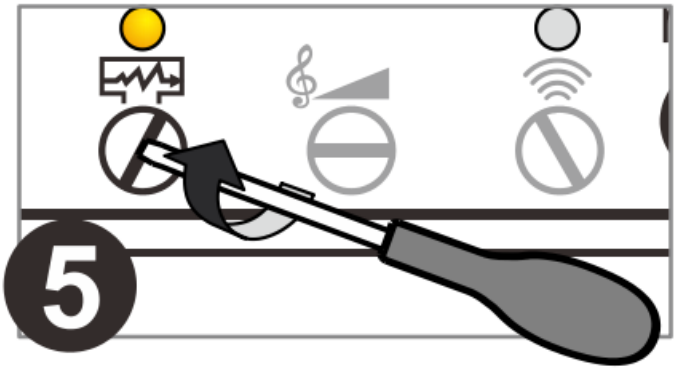
3. Switch on the external power and check that the Power ON LED illuminates.



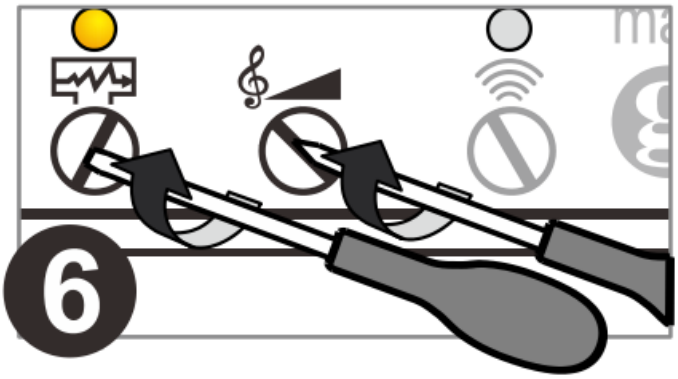
4. Apply the input signal (for example speaking into the Mic) to Mic or playing some music on the Aux device. (For the Aux input the sensitivity can be adjusted with a small flat blade screwdriver via the control which need to be turned until the green LED start to light).



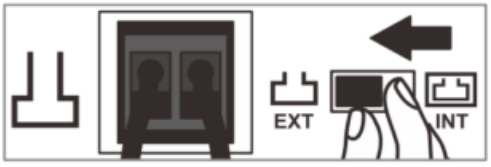
5. The LH102 is already factory set to get optimal performances in magnetic field transmission but, depending upon your specific requirements, you can change the magnetic field level or its frequency response. Use a small flat blade screwdriver to adjust the controls for the Loop Current and Tone Adjustment.



6. Test the performance of the system using a loop receiver or field strength meter. Adjust the Tone and Loop Current controls to achieve the desired performance.
   The Tone adjustment enables compensation for loss of higher frequency signal during transmission.
   Turn the Loop Current control clockwise to get the desired magnetic field level (The Loop Current Indication LED will become brighter as the Loop current is increased).



7. Loop Antenna & Performance
   The unit has a built in loop antenna which is normally sufficient for most applications.
   However to increase the coverage area, one can use an external perimeter loop with the following characteristics:
   Loop resistance 0.3 to 1 ohm
   Loop Impedance 1.3 ohm at 1.6 KHz
   For local area loops, use wire 0.5 to 1.5 mm2 or 22 to 16 AWG The external loop can be connected to the unit at the connector at the back. Just press the latches of the spring clamps and insert the terminating wires of the external loop. If using the external loop, slide the selector switch next to the connector to the External loop position.



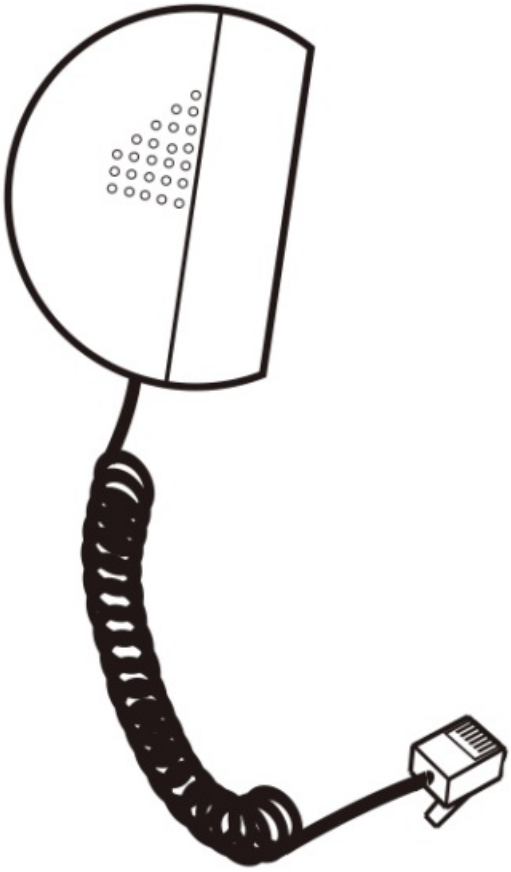
Using the Hand held HAC Receiver (option)

A Hand held HAC receiver is supplied for hearing impaired users who do not use a hearing aid, do not have a ‘T’ coil hearing aid or wish extra privacy afforded by the hand held listener.

Simply, plug the hand held listener into the RJ11 connector with coding on the side at the rear of the unit.

The receiver has a magnetic sensor which automatically switches on the receiver when it is removed from the holder and switches off when it is replaced.

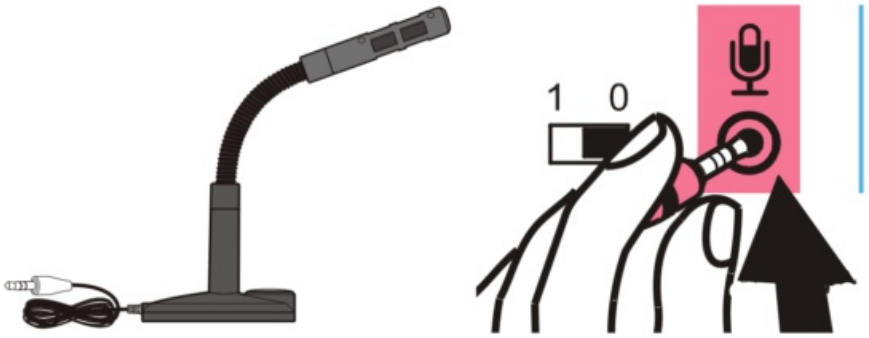
The volume can be adjusted by using the volume knob also found at the rear of the unit (turn knob clockwise to increase volume).



Using the External Microphone (option)

Plug the supplied desktop microphone into the MIC JACK at the back of unit. The external microphone will now override the builtin microphone. The magnetic field LED indicator will light up blue when you speak to the built-in microphone or external microphone.

NOTE: When the external or Internal microphones are in use, the blue LED light flashes with an intensity depending on the strength of the transmitted magnetic signal through the loop.



Using the Audio Input

The LoopHEARTM can transmit sound through the loop from an external audio source like a TV set , MP3-4 , computer.

Connect your audio equipment to the 3.5mm socket (blue) on rear panel of your LoopHEARTM. You will then hear the magnetic signal when you are within 1 meter of the LoopHEARTM with your hearing aid in the “T” position.

The sensitivity can be adjusted by turning the control at the rear with a small flat screw driver.

LED Indicators

The unit has various LED indicators located in the handle recess area, which light up as follows :

1. Blue LED flashes in sync with the Field Strength LED on the front.
2. If the AC adaptor is plugged in
    - White LED lights up if the batteries are charging.
    - White LED changes colour to Green when the batteries are fully charged.
3. If the AC adaptor is not plugged in and the unit is switched ON
    - All LEDs except the Blue one will be off if the batteries have adequate charge.
    - Red LED lights up when the Batteries voltage is low. When the Red LED lights up Plug in the Power Adaptor immediately to charge the batteries.

TROUBLESHOOTING

The RED LED is flashing

- Charge the batteries

The LoopHEARTM keeps on switching off

- Make sure that the batteries are fully charged

You cannot hear clearly due to interference or you cannot hear at all

- Make sure the LoopHEARTM is switched on and facing you
- Move the LoopHEARTM closer to you
- LH102 produces minimum 400mA per meter at a distance of 80cm in compliance with specification EN60118-4. This produces an effective magnetic field of 2.5M or more depending on the sensitivity of the hearing aid or listening device. For example, when used with the Geemarc products LH10 or LH20 a distance of 3M can be achieved. The magnetic field strength can be adjusted with the Loop current potentiometer on LH102 rear panel (see page 12 item 5 in your user guide) which can in such case also adjust the distance of detection.

BATTERY USAGE:

To ensure that your LoopHEARTM is always ready for use please follow the recommendations below:

- Always switch off when not in use
- Always recharge the batteries after continuous use for more than 6 hours or when the red LED is ON
- Recharge the batteries every four months if the unit has been switched OFF for long periods of time

As a rough guide the battery will allow the following usage
depending on the volume levels and ambient noise:

- **Standby when turned Off** 4 MONTHS
- **Standby when turned On but not in use** 24 HOURS
- **In continuous use from fully charged battery** 7 to 10 HOURS

SAFETY INFORMATION

General

Do not open the unit. Contact the helpline for all repairs.

Cleaning

Clean the LoopHEARTM with a soft cloth. Never use polish or cleaning agents – they could damage the finish or the electronics inside.

Environmental

- Do not expose to direct sunlight.
- Always ensure there is a free flow of air over the surfaces of the LoopHEARTM
- Do not place any part of your product in water and do not use it in damp or humid conditions e.g. bathrooms.
- Do not expose your product to fire or other hazardous conditions.

GUARANTEE

From the moment your GeemarcTM LoopHEAR M102V2 is purchased, GeemarcTM guarantee it for the period of two years. During this time, all repairs or replacements (at our discretion) are free of charge. Should you experience a problem then contact our help line or visit our website at **www.geemarc.com**. The guarantee does not cover accidents, negligence or breakages to any parts. The product must not be tampered with or taken apart by anyone who is not an authorised GeemarcTM representative. The GeemarcTM guarantee in no way limits your legal rights.

IMPORTANT: YOUR RECEIPT IS PART OF YOUR GUARANTEE AND MUST BE RETAINED AND PRODUCED IN THE EVENT OF A WARRANTY CLAIM.

Please note: The guarantee applies to the United Kingdom only

DECLARATION: GeemarcTM Telecom SA hereby declares that this LoopHEAR TM 102V2 is in compliance with the essential requirements and other relevant provisions of the Radio Equipment Directive 2014 / 53 / UE.

The UKCA declaration of conformity may be consulted at **www.geemarc.com**

Electrical connection: The apparatus is designed to operate from a 230V 50Hz supply only. (Classified as ‘hazardous voltage’ according to EN62368-1 standard).

This device complies with Part 15 of the FCC Rules [and with RSS-210 of Industry Canada].

Operation is subject to the following two conditions:

1. This device may not cause harmful interference AND
2. This device must accept any interference received, including interference that may cause undesired operation.

RECYCLING DIRECTIVES

The WEEE (Waste Electrical and Electronic Equipment) has been put in place for the products at the end of their useful life are recycled in the best way.

When this product is finished with, please do not put it in your domestic waste bin.

Please use one of the following disposal options:

- Remove the batteries and deposit them in an appropriate WEEE skip. Deposit the product in an appropriate WEEE skip.
- Or, hand the old product to the retailer. If you purchase a new one, they should accept it.

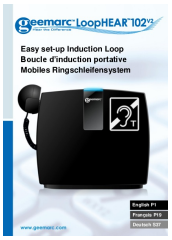
Thus, if you respect these instructions you ensure human health and environmental protection.

CUSTOMER SUPPORT

For product support and help visit our website at **www.geemarc.com**
E-mail : **help@geemarc.com**
Telephone : 01707 387602
lines are open 09h00 to 16h00 Mon to Fri
Parc de l'étoile, 2 rue Galilée, 59760 Grande-Synthe, France

Made for Geemarc Telecom S.A. in China

Documents / Resources

	Geemarc LoopHEARTM102V2 Boucle D Induction Portative [pdf] Instruction Manual LoopHEARTM102V2, LoopHEARTM102V2 Boucle D Induction Portative, Boucle D Induction P ortative, D Induction Portative, Induction Portative, Portative

References

- Home - Geemarc UK
- Home - Geemarc UK
- STARTSEITE - Geemarc Germany
- User Manual