



Echo Megaloop™

Induction Loop Amplifier



Product Code: 901-1010-01

CONTENT

1. *Safety Instructions and Precautions*
2. *Accessories Picture*
3. *Installation Instructions*
4. *Installation Instructions continued*
5. *Installation Instructions continued*
6. *Connection Solutions*
7. *Connection Solutions continued*
8. **IMPORTANT**
9. *Replacement Parts & Technical Specifications*

Echo Megaloop™

Aid for Living Inductive Loop Amplifier

Please read and follow the safety instructions before using the product

Safety Instructions and Precautions:

- Listening to uncomfortable sound levels for prolonged periods could adversely affect your hearing.
- If using a microphone, line input, headset or neck loop the plug **MUST** be fully inserted into the correct socket and the volume turned to the lowest level (anti-clockwise) before turning the unit on (Fig. 1 and Fig. 2). Failure to do so can result in high sound levels that could adversely affect your hearing.
- If using a headset or neck loop it **MUST** be fully inserted into the headset socket before turning the unit on. Failure to do so can result in high sound levels that could adversely affect your hearing.
- Using this product inappropriately could adversely affect your hearing. Please follow the step-bystep instructions carefully!
- Do not use in an environment that is damp, wet, very hot or very cold.
- To clean the Megaloop™ and its accessories, use only a soft cloth and an inorganic cleaner.
- Only use the Hearing Products approved mains adapter. Do not use any other type of mains adapter.
- When using this unit, basic safety precautions as below should always be followed to avoid the risk of electrical shock or personal injury.
- Read and understand the instructions and follow all warnings and markings on the unit.
- Install the unit securely on a stable surface and install the unit where the power cord will not be subject to damage or cause a tripping hazard.
- The unit may get warm when being used. Ensure the unit has adequate ventilation.
- Please refer all servicing to qualified personnel **ONLY!** Do not attempt to open the unit!
- **WARNING:** Excessive volume from any source may damage your hearing. Turn the Volume Control (2) (Fig. 1) anti-clockwise to low before plugging in headset or switching your hearing aid to "T" position.

Accessories Picture:

- A . Megalooop Amplifier
- C . Loop wire
- E . Microphone
- G . Phono Phono Lead

- B . Mains Power Adapter
- D . Clips
- F . SCART plug



Installation Instructions (Refer to Fig. 1 – Fig. 4):

1. Place the MegaLoop™ amplifier on top of your TV, Video Recorder or on a shelf. Make sure there is a power socket available for the mains power adapter.
2. Plug the MegaLoop™ mains power adapter (B) into a standard electrical power socket, then plug the power lead into socket (8) (Fig. 2).
3. Starting from the amplifier, run the loop wire (C) around the edge of the room. The wire can be tacked up and over door frames if necessary. The wire can be tucked under the carpet or clipped to the skirting board (Fig. 3). Make sure you leave enough wire to reach the amplifier.
4. Once a complete loop of the room has been formed, cut away any surplus wire making sure to cut away the insulation from the wire ends. Clip each end of the wire into terminals (9) (Fig. 2).
5. If you are using a loop pad (Optional), clip the end of the lead into terminals (9) (Fig. 2). Make sure the lead is placed carefully, so as not to cause a tripping hazard. Never run the lead across the floor unless fully under the carpet. Always remember that loose wires are a tripping hazard.
6. If your TV has audio output sockets connect the phono/phono lead (G) to these sockets and plug the other end into the line input on the MegaLoop Fig 2 (10).

If your TV has no audio output sockets but has a spare scart socket, connect the scart plug (F) into the TV and connect the phono/phono lead (G) to the scart, then plug the other end of the lead into the MegaLoop audio input Sockets fig 2 (10).

If the SCART connection is not successful, connect the microphone. Simply plug the 3.5 mm jack on the microphone lead into the microphone socket on the MegaLoop fig 2(12) and fix the microphone onto the TV speaker using the Velcro fig 4.

7. With the power switched on at the wall socket press the Power Button (7) ON and the Power "ON" Light (6) will give a constant Green light (Fig. 1).

8. How to test your installation: Make sure the Background Noise Control is at "N" position (1), speak into the microphone connected to (12) in a normal voice, turn the Volume Control knob up (2) and when the Red light (5) starts to flash you know that your system is working. Turn the Volume back to your desired listening level.

9. Note: if the serial number is removed your warranty is invalid.

Figure 1

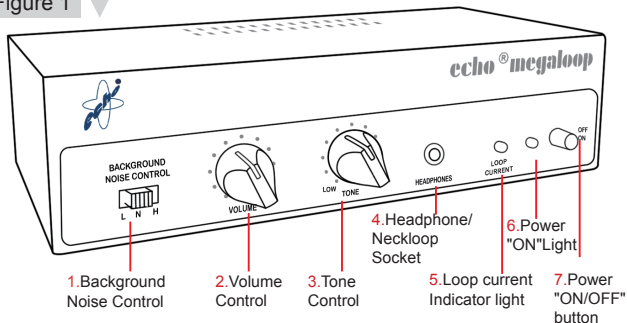


Figure 2

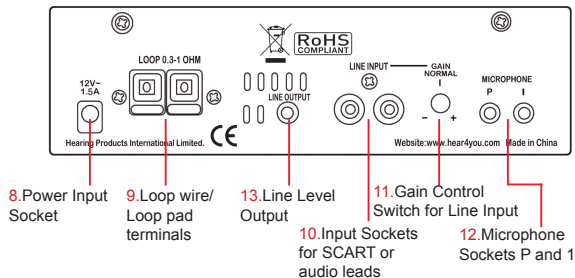


Figure 3 ▼

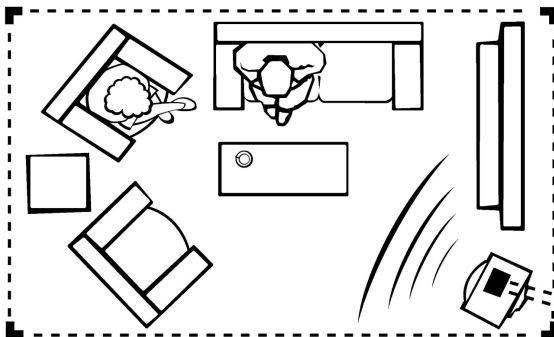
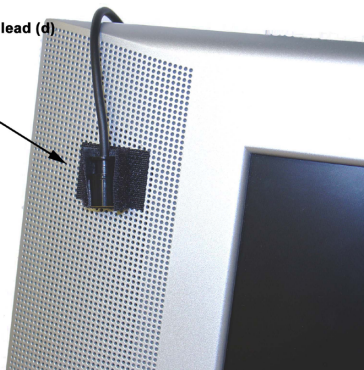


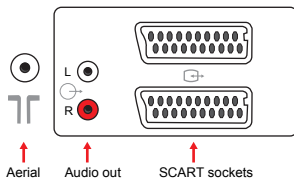
Figure 4 ▼

Microphone on lead (d)
attached to TV
speaker with
velcro® pad.



Help and advice for connecting to TV with analogue audio output.

When connecting a MegaLoop, EchoLink or RadioLink to a TV. It is usually best not to use the SCART sockets as this can result in picking up the wrong sound or sound that is out of sync with the picture.



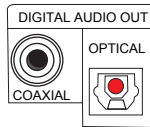
Step 1. When connecting to a TV the first thing to look for is red and White Audio out sockets these are usually at the back of the TV. and usually indicated by a circle with an arrow pointing out of it. Connecting from audio out will always provide the correct sound for the program that is being watched. **Note the red white and yellow sockets that are normally on the front or side of TVs are for sound and picture in and not sound out.** On some of the newer flat screen TVs the sockets may be covered by a removable panel at the rear of the TV.

Step 2. If the TV. has no audio out sockets or they are not working the next thing to try is the headphone socket simply switch the TV. on and insert the 3.5mm jack plug into the headphone socket, if the sound is not cut from the speakers then connect from this and into the line in/Audio in on the loop or Transmitter . You will then have to adjust the headphone volume level on the TV. this is done by pressing the menu button on the TV. remote, selecting sound and then moving the headphone volume to about two thirds full.

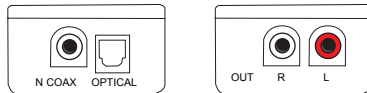
Step 3. If the TV. has no audio out AND the headphone connection cuts the sound from the TV speakers simply pick up sound by fixing the microphone provided to the speaker of the TV. To provide the best results adjust the TVs bass and treble levels to $\frac{1}{4}$ of max bass and $\frac{3}{4}$ of max treble and if possible set the sound to mono.

Help and advice for connecting to a TV. that has Digital Optical Audio Output

Many of the newer TV. models no longer have analogue audio output, they have Digital Optical Audio Out or Digital Coaxial Audio Out. The picture below shows the type of socket to look for. To connect your equipment from this socket you will require an optional Digital to Analogue Converter available from Hearing Products International Ltd.



The picture below shows the front and rear of a typical Digital to Analogue converter. Set up is easy the converter is connected from the TV to the (in) socket on the converter and the MegaLoop, EchoLink, or other analogue device is then connected to the phono out sockets. The converter is supplied with a mains adapter and Optical connecting cable as this is the most common. If the Coaxial connecting cable is required this will have to be purchased separately.



For further details about the Digital to analogue converter please contact Hearing Products International on 01614808003 or visit www.hear4you.com

IMPORTANT:

The MegaLoop™ microphone is very sensitive and too much volume out of the TV speaker can distort the sound in your hearing aid when in the “T” position. The TV speaker’s volume should be set at a level comfortable for a person with average hearing.

Microphone priority function

The microphone sockets (12) are marked (1) and (P). Socket No. (1) is the standard socket to use when connecting the microphone to a TV or Hi-fi speaker. Socket (P) stands for priority and gives a louder signal than socket (1) this is very useful when using a second microphone for environmental sounds that must be heard over and above the TV or Hi-fi.

Tone Control (3)

Adjust to suit your own hearing loss. Turning the control in an anti-clockwise direction tones become lower. Turning clockwise the tones become higher. Most people like the Tone (3) at about 12 o'clock position.

Headphone Socket (4)

Any standard headphones or Echo® NeckLoop can be connected. Always turn volume control (2) fully anti-clockwise to “Low” position before connecting any headphones or Echo neck loop, then adjust upwards to a comfortable sound level. If you do not follow these instructions you could damage your hearing! Remember to turn your hearing aid to the ‘T’ position when using a neck loop

GAIN Control (11)

The factory setting for Gain Control Knob (11) is “Normal” position. This position is preset for most Scart and Audio input signals.

Line Level Output (13)

The line output is a mono signal being the sum of any signals connected to the inputs fed post their gain controls and the tone circuit and is fed before the master volume control.

Line output is a nominal level -6dBu with a 3.5mm female socket and the output impedance is 100 ohm.

Replacement Parts:

Code	Item
2001	MegaLoop™ Amplifier only
202/M	Microphone on lead, with clip and Velcro
570-1010-01	Mains Power Adapter
207	Loop Wire 38m
208	Clips (50 off)
201/B	SCART plug
306/B	Phono/Phono lead

Technical Specifications:

Power Supply:	12V DC, min. 1.5amp Output Positive + Centre
Output:	Output current > 3amp peak current, loop resistance less than 1 ohm
Frequency response:	100Hz to 5.2kHz (v/c mid)
Tone Control Effect:	20db range max-min (v/c middle)
Microphone:	2 microphone inputs 3.5mm mono/electret condenser
Line Input:	2 line-level inputs, Phono connectors, with gain control
Line Output:	1 line-level output 3.5mm mono, nominal level -6dBu, output imp. 100ohm
AGC:	Attack time 60ms, Recovery time 760ms.
Dimensions:	186mm(W) x 50mm(H) x 82mm(D)

Hearing Products International Limited declares that the Echo MegaLoop™ complies with all relevant EU directives. The full EU declaration of conformance for the Echo MegaLoop™ is available from Hearing Products International Ltd.

Hearing Products International Limited

Echo House, 26/27 Haigh Park, Stockport, SK4 1QR, England

Tel. +44 (0) 161 480 8003

Fax +44 (0) 161 480 8006

www.hear4you.com



E & O.E

Hearing Products International Ltd. reserve sole right to alter prices, design and/or technical specifications or colours without prior notice. MegaLoop Universal Instructions
© Copyright Hearing Products International Limited. E&OE 06/07/16. Version 2.