

# 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-by-step 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.**

### Contents



Figure 1

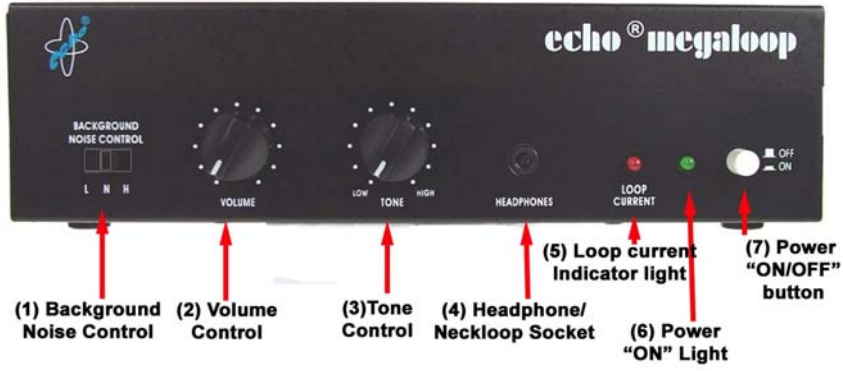


Figure 2

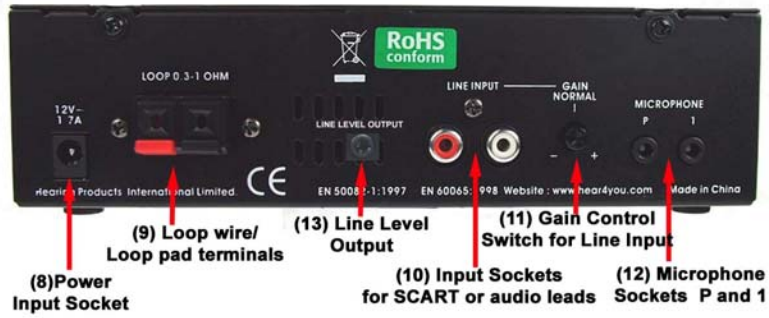


Figure 3

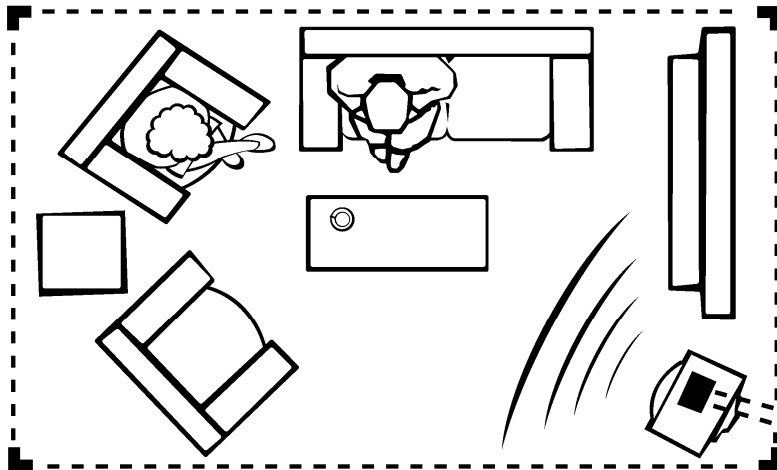
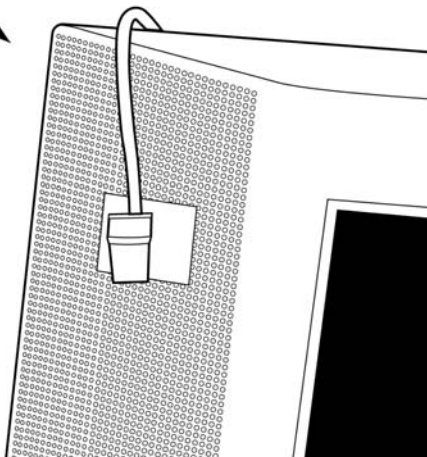


Figure 4

Microphone Lead (d) attached to TV Speaker with Velcro® pad



### 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 a SCART socket connect SCART plug into the TV, connect the Phono/Phono lead (I) to the SCART plug and plug the other end of the lead into the **MegaLoop™** Audio input sockets (10). If your TV has no SCART socket, but has audio output sockets connect the Phono/Phono lead (I) to these sockets and plug the other end of the lead into the **MegaLoop™** Audio input sockets (10) 9 (Fig. 2).
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.

### 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.

## **Technical Specifications**

Power Supply:	12v AC 10-20 VA or 12-18v DC min. 1.5 amp
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)

## **Replacement Parts**

### **Code Item**

2001	MegaLoop™ Amplifier only
202/F	Microphone on lead, with clip and Velcro
205	Mains Power Adapter
207	Loop Wire 38m
208	Clips (50 off)
201/B	SCART plug
306/B	Phono/Phono lead

### **Conformity**

MegaLoop™	EN 61000-6-3:2001, EN 61000-6-1:2001, EN60065: 2002
Mains Power Adapter	EN 61558

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