

# Audio Induction Loop Systems

## LA-40

Order No. 0172330

**Active loop amplifier**, with dynamic compressor, specifically for setting up an audio induction loop system in domestic locations (up to 40 m<sup>2</sup>).

The loop amplifier LA-40 transmits the audio signals from a TV, audio system and/or microphone to the induction loop which is laid on the floor, the wall or along the ceiling. Thus, a magnetic field is created within the loop which is received by the T-coil of the hearing aid or the induction loop receiver and is then converted again into an audio signal. Wireless transmission is an advantage of audio induction loop systems. It makes it possible for the user to move freely within the loop and to adjust the volume of the hearing aid or receiving unit (LR-200) as desired, without disturbing the other occupants.

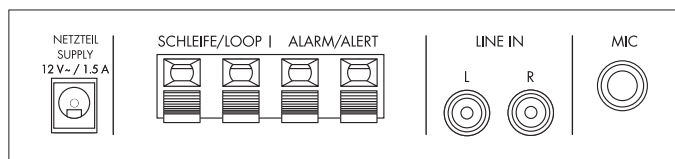
The LA-40 can be connected directly to the SCART jack of a TV (via supplied SCART adapter) or to an audio system. Talks of the other occupants can be heard via the connection of a microphone which is available at option. The integrated signal generator of the

LA-40 allows to create an alarm signal via an optional switch.

- Supplied with 35 m loop wire for setting up an induction loop, SCART adapter, power supply
- Integrated alarm signal can be activated as required
- Dynamic compressor
- Adjustable input sensitivity for line and microphone
- 2-way tone control
- Adjustable loop current
- LEDs for indicating power, signal/PEAK and loop current
- Headphone connection on the front panel
- Built-in phantom power for electret microphones
- Suitable microphone ECM-300LA is available at option



Model	LA-40
Loop current	2.8 A
Loop resistance	0.4-2 Ω
Room size	≤ 40 m <sup>2</sup>
Inputs	mic: 2 mV/660 Ω (phantom power: 7.2 V) 6.3 mm jack line: 48 mV/11 kΩ, 2 x RCA alarm: 2 terminals for connecting a switch
Outputs	loop: connection of the supplied loop via 2 terminals headphones: ≥ 32 Ω, 3.5 mm jack
Equalizer bass	± 8 dB, 100 Hz
Equalizer treble	± 10 dB, 10 kHz
Frequency range	75-7,500 Hz, ±3 dB
THD	0.44%
Power supply	via encl. power supply
Dimensions	175 x 102 x 45 mm
Weight	510 g



## LR-202

Order No. 0176370

**Induction loop receiver**, for receiving audio signals in audio induction loop systems. The electromagnetic field which is created by an induction loop is received by the induction loop receiver and converted into an audio signal. Any number of receivers can be operated within one induction loop.

The unit is suitable for people with and without hearing problems and can be used for various applications:  
 Hearing aid for the hearing impaired  
 Operational test of audio induction loop systems  
 Detection of stray radiation within a loop  
 Interpretation systems  
 Lectures in museums, at exhibitions, etc.

- 3.5 mm mono connection for headphones ≥ 32 Ω
- Volume control
- Low cut switch
- Belt clip
- Power supply via 9 V battery
- Dimensions: 60 x 112 x 35 mm
- Weight: 60 g

Model	LR-202
Power supply	9 V battery
Admiss. ambient temp.	0-40 °C
Dimensions	60 x 112 x 35 mm
Weight	60 g
Connections	3.5 mm mono jack



## NL-90

Order No. 0173090

**Induction loop**, for wireless transmission of audio signals to hearing aids via optional pocket transmitter.

- Comfortable to wear around the neck (loop diameter: approx. 26 cm)
- Matching the pocket transmitters ATS-10R, ATS-16R, ATS-40R, TXA-800R
- 3.5 mm stereo jack connection

