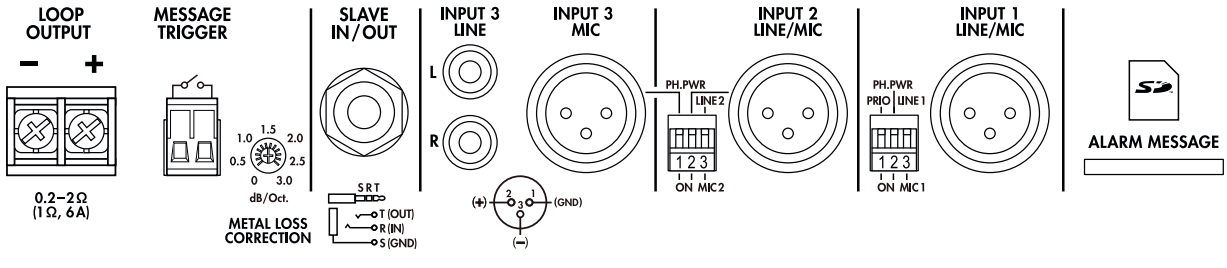
LA-202

Order No. 0176360

Active loop amplifier, in constant current technology with dynamic compressor for setting up an audio induction loop system in rooms up to 200 m².
Inductive transmission of audio signals allows users of hearing aids with a T-coil or induction loop receivers, e.g. the LR-202, to receive audio signals. Wireless transmission is an advantage of audio induction loop systems which makes it possible for the user to move freely within the loop.
Induction loop systems are used for various applications, e.g. as a hearing aid for the hearing impaired in houses of worship, theatres, cinemas, waiting rooms and lounges, as interpreting systems, for lectures in museums, exhibitions, etc.
With induction loop systems, an induction loop made of a wire winding is laid on the floor, the wall or along the ceiling and is controlled by a constant current amplifier. Thus, a magnetic field is created within the loop which induces a voltage into the T-coil of the hearing aid or into the induction loop receiver.
This voltage is then converted again into an audio signal in the receivers.

- Dynamic compressor
- Automatic talkover
- Metal loss correction 0-3 dB/oct.
- 3 mic/line inputs with 40 V phantom power, to be switched on additionally
- 6.3 mm input for inserting external devices
- Integrated SD card reader for reproduction of stored alarm messages
- 2-way tone control
- LED level meter
- 482 mm (19") rack installation with supplied mounting brackets

Model	LA-202
Loop current	7 A (peak)
Loop resistance	0.2-2 Ω
Room size	up to 200 m²
Inputs	mic 1.5 mV/6.8 kΩ, XLR, bal. switchable to line 630 mV/10 kΩ, XLR, bal. line 630 mV/4.7 kΩ, RCA, unbal. alarm: 2 screw terminals for connecting a switch
Outputs	loop: 2 screw terminals
Equalizer bass	± 10 dB, 100 Hz
Equalizer treble	± 10 dB, 10 kHz
Frequency range	50-8,000 Hz
THD	< 1%
Power supply	~ 230 V/50 Hz/150 VA
Dimensions	482 x 88 x 280 mm, 2 RU
Weight	7 kg