

PROLOOP LOSplus (low crosstalk)

Induction loop amplifier for areas of up to 1000m²



- As a system ready for the operation of low-overspill systems in large rooms up to 1,000m², the PROLOOP LOSplus loop amplifier includes the complete range of electronics required in a single enclosure. It is the ideal solution for event rooms and conference halls.
- The 2 XLR connectors on the two inputs can be configured as a line input or microphone input (symmetrically).
- When using the microphone mode, a phantom current of 15V can be activated for static microphones. Also, additional gain can be enabled on these inputs. It is possible to adjust the amplification for both inputs.
- This powerful amplifier is equipped with Automatic Gain Control (AGC) to produce stable sound with outstanding speech reproduction, even under difficult acoustic conditions.
- To perform acoustic quality checks at the loop outputs A and B, the PROLOOP LOSplus has a monitor output for connecting headphones.
- The output amplification is generous (up to 2 x 12A RMS) and guarantees good audio transmission by the system.
- **Adjuster for reducing field strength loss to metal in the surroundings.**

Model	PROLOOP LOSplus
Power	300W
Passive safety	Fuse 2.5A (at 230V mains voltage)
Maximal area	1000m ² , conforming to IEC 60118-4
Max. voltage	2 x 32V RMS
Max. current	2 x 12A RMS
Output AGC	Maintains constant level of the audio signal on the connected loop. AGC reaction time Sinus -10dB : 8ms - 2s
Connectors	screw clamps
Frequency range	100 to 5000Hz (± 3dB)
Distorsion	< 1% at nominal output power, 1kHz
Headphones	Jack (3.5 mm) for monitoring the audio signals, (left audio channel for the Master output and right audio channel for the Slave output)
Slave Out	0°/90° phase shift adjustable (6,3mm jack)
Input	IN 1 and IN 2: XLR connector, adjustable as LINE input (symmetric, sensitivity: 1V) Microphone-in (asymmetric, sensitivity: 1mV) Amplification adjustment, phantom current 15V can be added - 100V-priority input, for connection to a PA-System
Slave In	6.3mm Jack
AGC audio inputs	Dynamics < 100dB
Adjustment by control dial	Master loop current - Slave loop current - Amplification for IN 1 and IN 2 For reducing field strength loss to metal in the surroundings
Display	On / Off (LED, green) - AGC/Compression (5 green LEDs and 1 yellow LED) - Loop current (5 green LEDs and 1 yellow LED, separately for master and slave) - Overload (1 yellow LED) - Overheat and Loop error (1 red LED) separately for master and slave
Power supply	115/230VAC 50/60Hz
Dimensions (LxHxP)	483 x 90 x 270mm · 19" 2U
Weight	9.5kg

Section of the loop cable: the section of the cable to be connected to the amplifier of induction depends on the total length of cable required in the loop and its connection to the amplifier magnetic loop. For a system with low crosstalk cable length is important because of the pose in several segments. *Do not hesitate to contact us before any installation.*