

PDA 1000/2 Induction Loop Amplifier

Features:

- Ideal for theatres, cinemas, churches and conference halls
- Provides up to 1000m coverage
- 2x line level inputs and 1x mic input
- Compatible with outreach plates
- Automatic tracking compressor
- Two microphone/line level inputs



Induction Loop Amplifier

The PDA 1000/2 professional current mode audio-frequency induction loop amplifier offers outstanding sound quality and unrivalled reliability at a competitive price.

The PDA 1000/2 is ideal for use in small to medium size rooms up to a maximum of 500 square metres. The amplifier includes two XLR connectors- one balanced microphone input and one switchable balanced mic or line level input. Optional 11V phantom power is also available on both inputs to allow the use of condenser microphones.

The pre-amplification stage of each amplifier utilises an advanced signal processing system that allows tight control over the audio signal without any degradation of output quality.

A metal compensation control is also provided to help offset the frequency response problems associated with the excessive metal content of some rooms.

Other features include three level controls (one for each input), a loop drive control, an output current meter and a 'compression' activity display giving visible indication of the amplifier's compressor.

The amplifier also features a four-way 'Outreach' input offering full compatibility with SigNET's unique Outreach Plate audio input extension system. This system allows the connection of up to 10 additional microphone or line level inputs via a range of specially designed single gang connector plates.

Maximum Square Room Coverage	900m ²
Maximum 2:1 Aspect Ratio Coverage	1100m ²
Inputs	1kHz 2 x XLR (one Mic, one Mic/Line) and one Outreach connector
Indicators	Loop drive meter, compression (high/low), power on
Controls	3 x input level controls, loop drive, metal compensation, on/off switch
Output Type	Current mode
Loop Connector	Four-way binding posts
Recommended Loop Impedance	0.5 ~ 1Ω @ 1kHz. Will drive higher impedance loops with reduced area of coverage
Loop Drive Current @ 1Ω	6A
Peak Loop Drive Current (measured over 5mS integration time)	2 Amps @ 1Ω, 19 Amps @ 0.5Ω
Headphones	3.5mm jack socket allows monitoring of the loop signal via >32Ω headphones
Frequency response	20Hz ~ 14kHz ±3dB;
Distortion	Less than 0.5%,
S/N ratio	Better than -65dB any input
Dimensions	380(W) x 80(H) x 220(D) mm
Weight	4.54g