

- **PDA200/2:** Professional Induction Loop Amplifier (200m² coverage)
- **PDA500/2:** Professional Induction Loop Amplifier (500m² coverage)
- **PDA1000/2:** Professional Induction Loop Amplifier (900m² coverage)

This professional range of current mode audio-frequency induction loop amplifiers offer outstanding sound quality at a competitive price.

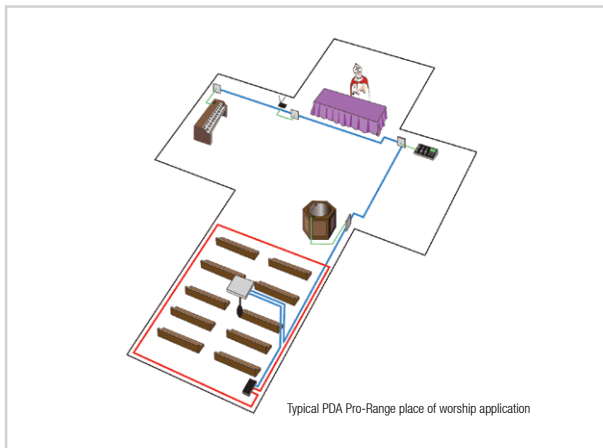
Each amplifier includes one balanced microphone input and one switchable balanced mic. or line level input, both of which will accept standard 3 pin XLR connectors. Optional 11v phantom power is also available on both inputs to allow the use of electret or condenser microphones.

By popular demand, each 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.

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.

Features:

- Ideal for theatres, cinemas, churches, conference halls and other applications where top quality sound is a must
- Attractive free-standing design (optional wall and 19" rack-mounting kits available)
- Improved drive current capability provides up to 50% extra coverage
- Two XLR 3 pin input sockets - one balanced mic. and one switchable balanced mic./line
- Optional 11v phantom power available for electret or condenser microphones
- 'Outreach' input allows the connection of up to 10 additional mic. or line level inputs via a series of separately available single gang connector plates
- Adjustable level controls provided for all inputs - can be used individually or together as a three-input mixer
- Adjustable drive control allows the loop current to be adjusted to suit a room's individual characteristics
- Metal compensation control helps offset the frequency response problems associated with excessive metal in a building
- True output current meter
- Visible indication of the amplifier's compressor action via two LEDs
- 3.5mm headphone socket allows true monitoring of the output signal
- Advanced audio signal processing with automatic gain control
- On-board cooling fan on PDA500/2 and PDA1000/2 promotes stable operating temperature and increased reliability
- All models designed to meet or exceed the requirements of BS7594 and EN60118-4 when correctly installed



Pro-Range Amplifier	Max Sq. Room Coverage	Max 2:1 aspect ratio coverage
PDA200/2	200m ²	240m ²
PDA500/2	500m ²	600m ²
PDA1000/2	900m ²	1100m ²

Specifications:

Model:	PDA Pro Range
Type	Free-standing (optional wall or 2U 19" rack mount kits available); plugtop IEC mains lead provided
Coverage	200m ² (PDA200/2); 500m ² (PDA500/2); 900m ² (PDA1000/2)
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	PDA200/2: 6A, PDA500/2: 9A, PDA1000/2: 12A
Peak loop drive current (Measured over 5mS integration time)	PDA200/2: 8 Amps @ 1Ω, 13 Amps @ 0.5Ω, PDA500/2: 12 Amps @ 1Ω, 19 Amps @ 0.5Ω, PDA1000/2: 14 Amps @ 1Ω, 24 Amps @ 0.5Ω
Headphones	3.5mm jack socket allows monitoring of the loop signal via >32Ω headphones
Maximum area coverage	For a 400mA/M field strength ± 1dB PDA200/2 @ 6A max short term current: Square room = 200m ² ; Rectangular room (2:1 aspect ratio) = 240m ² PDA500/2 @ 9A max short term current: Square room = 500m ² ; Rectangular room (2:1 aspect ratio) = 600m ² PDA1000/2 @ 12A max short term current: Square room = 900m ² ; Rectangular room (2:1 aspect ratio) = 1100m ²
Performance	Frequency response: 20Hz ~ 14 kHz + -3dB; Distortion: Less than 0.5%, S ~ N ratio: Better than -65dB any input
Metal Compensation	True 3dB/octave design counteracts frequency dependent absorption by metal in the proximity of the installation over a bandwidth of approximately 100Hz ~ 10kHz
Dimensions	380(W) x 80(H) x 220(D) mm
Weight	3.74kg (PDA200/2) / 3.46kg (PDA500/2) / 4.54kg (PDA1000/2)