

PRO5/S, PRO7/S & PRO11/S



# PROFESSIONAL HEARING LOOP AMPLIFIERS



Introducing SigNET's new PRO/S range of constant current hearing loop amplifiers, all with easy-to-use graphical displays & Class D output stages for maximum efficiency.

- ▶ Clear & intuitive graphical interface allows simple set-up of input levels, output current, phantom power and metal compensation
- ▶ 200m<sup>2</sup>, 500m<sup>2</sup> or 1000m<sup>2</sup> coverage (model dependent)
- ▶ 2 x XLR mic/line inputs (selectable)
- ▶ Outreach connector allows up to 10 of our revolutionary audio input utility plates to be added
- ▶ Dedicated wall-mount and free-standing options
- ▶ Anti-tamper lock function prevents unauthorised adjustment of system settings
- ▶ Class D output stage for maximum efficiency and very high output
- ▶ Short circuit protection against loop faults for increased reliability
- ▶ Superior analogue audio processing with a powerful CPU and cutting-edge technology provide life-like speech and first class music reproduction
- ▶ Fault relay & graphical display provide clear indication of operation and fault status
- ▶ Industry leading dual action automatic gain control compensates for poor microphone technique
- ▶ Complies with EN62368-1 (Safety requirements for audio/video, information and communication technology equipment)
- ▶ Line level output for recording or daisy-chaining multiple units to cover larger areas
- ▶ 5 year warranty as standard
- ▶ Designed and manufactured in the UK
- ▶ *Dual 'phased array' PRO/D versions with digital TOS link connectors also available - call for details*

## PRO/S RANGE HEARING LOOP AMPLIFIERS

PRO5/SD	200m <sup>2</sup> Free-Standing Hearing Loop Amplifier, 4.75 Amp
PRO5/SW	200m <sup>2</sup> Wall-Mount Hearing Loop Amplifier, 4.75 Amp
PRO7/SD	500m <sup>2</sup> Free-Standing Hearing Loop Amplifier, 7.5 Amp
PRO7/SW	500m <sup>2</sup> Wall-Mount Hearing Loop Amplifier, 7.5 Amp
PRO11/SD	1000m <sup>2</sup> Free-Standing Hearing Loop Amplifier, 11 Amp
PRO11/SW	1000m <sup>2</sup> Wall-Mount, Hearing Loop Amplifier, 11 Amp



HIGH CONTRAST EASY-TO-USE GRAPHICAL DISPLAY

MADE  
IN THE  
UK



[www.sig-net-ac.co.uk](http://www.sig-net-ac.co.uk)

POWER	
<b>Supply Voltage:</b>	230V 50Hz (Free-standing model is supplied with IEC 320 fused mains lead; Wall-mount model requires a permanent connection to mains via a 5A fused spur)
<b>Power Consumption:</b>	100W / 200W / 400W (model dependent)
INPUTS	
<b>Line In:</b>	Input impedance: 1k + or – input to ground. Sensitivity: -20dBU typical.
<b>Microphone:</b>	Input impedance: 1k + or – input to ground. Sensitivity: -42dBU typical. Phantom power for electret microphones: 12V selectable (on/off).
<b>Outreach:</b>	Input impedance: >10k. Sensitivity: 0dBu typical. Outreach power: 24V d.c. nom. available via outreach connector (100mA max.)
OUTPUTS	
<b>Loop</b>	Type: True current mode. Loop output voltage: 14V. Loop drive current @ 1 ohm: 4.75A (PRO5/SD, PRO5/SW); 7.5A (PRO7/SD, PRO7/SW); 11A (PRO11/SD, PRO11/SW).
<b>Line Out:</b>	775mV output
<b>Fault Relay:</b>	Single pole double throw (SPDT): NC, Common, NO.
<b>Metal Compensation:</b>	Up to 10dB / octave design counteracts frequency dependent absorption by metal in the installation over a bandwidth of approximately 5kHz.
COVERAGE	
<b>Maximum Coverage Area:</b>	200m <sup>2</sup> , i.e. rooms upto 14m x 14m (PRO5/SD, PRO5/SW). 500m <sup>2</sup> , i.e. rooms upto 22m x 22m (PRO7/SD, PRO7/SW). 1000m <sup>2</sup> , i.e. rooms up to approx. 31m x 31m (PRO11/SD, PRO11/SW). Rooms over 5m wide with reinforced concrete floors or suspended ceilings may require a phased array solution as provided by our PRO/D range amplifiers, see our separate datasheet for details.
PERFORMANCE	
Frequency Response (-3dB): 100Hz to 5kHz; Distortion: Less than 1 % typical; Signal to Noise Ratio: Better than -65dB any input; AGC Range (3dB change in output voltage current): 10dB. AGC ratio: 20:1. Loop impedance: 0.5 to 2 ohm.	
SUPPLEMENTARY	
<b>Sensitivity Level Controls</b>	Line In, Mic, 12V Phantom, Outreach, Metal Comp, Loop Drive.
<b>Display &amp; Controls:</b>	Graphical 'OLED' display with 4 membrane control buttons.
<b>Connectors:</b>	<ul style="list-style-type: none"> <li>• Microphone (3-pin XLR on free-standing model; 3-way pluggable on wall-mount).</li> <li>• Line In (3-pin XLR on free-standing model; 3-way pluggable on wall-mount).</li> <li>• Loop (2 way binding post on free-standing model; 2-way connector on wall-mount)</li> <li>• Outreach (4-way pluggable connector). • Line Out (3-way pluggable connector).</li> <li>• Fault Relay (3-way pluggable connector).</li> <li>• 230Va.c. connector (Mains lead for free-standing model; Fixed mains for wall-mount).</li> </ul>
<b>Dimensions and weight:</b>	Free-standing: 67H x 218W x 280D mm. Wall-mount: 298H x 308W x 74D mm Weight: Free-standing: 2.38kg; Wall-mount: 3.35kg
<b>Misc:</b>	Panel Construction: Mild steel zintec, 1mm thick, black powder coated; IP Rating: IP40; Operating Temp: 0oC to 40oC; Maximum Humidity: 95% non-condensing