



## HLD7

HLD7-UK / HLD7-EU /  
HLD7-AUS / HLD7-USJ

Our HLD7 is a modular hearing loop driver designed for medium sized facilities such as meeting rooms, lecture halls, places of worship and small theatres. A single HLD7 is used for perimeter configurations, while two HLD7s linked together provide phased array configurations.

Efficient management of power enables the unit to be extremely compact.

### Features

- Perimeter and 90° phase shifted (DSP controlled) amplifier output stages capable of delivering 6Arms @ 15Vrms
- Flexible configuration
- Efficient power utilisation
- Sleep mode
- High frequency compensation
- Continuous self-testing
- Accurate, lockable controls (front panel mounted)
- Input and drive level indication
- Intelligent protection system
- Flexible audio inputs
- Interface to external communication devices
- Digital Signal Processor

### Applications

Suitable for small and medium sized facilities such as:

- Meeting & conference rooms
- Lecture halls
- Places of worship
- Nursing & care homes
- Reception & waiting areas
- Gyms & sports halls
- Educational establishments

### Standards

- BS EN 55103-1: 2009 (EMC emissions)
- BS EN 55103-2: 2009 (EMC immunity)
- FCC class "B" EMC (emissions)
- ICES-003
- IEC 60118-4 (in correct installations)
- IEC 62489-1

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## Physical Data

Dimensions	Height - 44.5mm (1.75") Width - 200mm (7.87") Depth - 260mm (10.24")
Weight (boxed incl. power supply)	2.5kg (5.51lbs)
Construction	Mild Steel
	Aluminium
Finish	Black Powder Coated



## Technical Data

Inputs	Input 1 (microphone)	Balanced XLR with switchable phantom power or ¼" TRS jack for electret microphone with 12VDC power via 680Ω load
	Input 2 (line)	Balanced XLR or ¼" TRS jack to ohmically isolated input
Loop Output	Voltage	15Vrms (42.4Vpk-pk) @ 6Arms (16.9Apk-pk)*
	Current	6Arms (16.9Apk-pk) @ 1kHz sine wave*
	Loop Connector	4-pole speakON connector
Expansion	Contacta interconnect	Input or output to or from additional Contacta systems. 90° phase shift selectable
Status	Volt-free relay contacts	SPCO
Feature	External monitor & control	Contacta communications processor interface
Audio	Frequency response	100Hz - 5kHz (±3dB)
	Distortion	Better than -40dB, inputs at nominal level
Automatic Gain Control	Digitally controlled	Uses DSP technology
Controls	Microphone level	Off, then to maximum in 50 1dB increments
	Line level	Off, then to maximum in 50 1dB increments
	Loop current	Off, then to maximum in 63 1dB increments
	High frequency compensation	Flat to 6dB boost in 7 increments
	Function switching	All functions selectable from front panel buttons, held in non-volatile memory
	Security	Controls may be locked against tampering
Displays	Microphone level	8 level bar graph with peak hold, 6dB steps
	Line level	8 level bar graph with peak hold, 6dB steps
	Output drive level	8 level bar graph with peak hold, 0.6A steps
	Other indications	LEDs for all setup and status indications

\***Note 1:** Z=2.5Ω (221uH + 1.14Ω @ 1.6KHz, **Note 2:** < 1% (-40dB distortion)