



## 1 to 1 Loop Driver

HLD2-01 / HLD2

Our innovative 1 to 1 hearing loop driver is a special type of audio amplifier designed especially for driving hearing loops.

### Features

- Microprocessor control
- Energy-saving "green" standby mode is achieving a power saving of up to 80% during quiet periods
- Advanced audio processing features AGC, compression, and noise gate
- Constant-current loop drive
- Continuous self-testing
- Isolated audio line input allows the driver to take alternative audio sources (optional)
- Power and LED status indication

### Components

- Power supply (PS-55-01, sold separately)

### Applications

For use in any situation where one to one communication takes place at a counter, booth or desk, such as in:

- Banks
- Post offices
- Supermarkets
- Theatres
- Information centres
- Airports

### 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 - 116mm (4.57") Width - 116.2mm (4.58") Depth - 40mm (1.57")
Weight	120g (0.26lbs)
Construction	ABS Plastic Construction Housing
Finish	Matt Black Fine Texture

## Technical Data

Inputs	Input 1 (Microphone)	Screw terminals on 3.8mm 2 pole Phoenix connector. Single-ended electret microphone, powered by 5V via 2.2K ohms
	Input 2 (Line) (Optional, HLD2-01 only)	Screw terminals on 3.8mm 2 pole Phoenix connector Transformer isolated, 0dBu into 1K $\Omega$ , may have series resistance added for optional 75V or 100V line inputs
	Power	Centre positive power jack, 14V DC 2.14A via 2.1mm from our power supply unit (PS-55)
Loop Output	Loop connection	Screw terminals on 3.8mm 2 pole Phoenix connector
	Loop drive current	2Arms compliance current @ 1kHz sine wave
	Loop drive voltage	4Vrms compliance voltage @ 1kHz sine wave
Audio	Frequency response	100Hz – 5kHz ( $\pm 3$ dB)
	Distortion	Better than -40dB, inputs at nominal level
Automatic Gain Control	Processor controlled	Dynamic range: 40dB typical Attack time: 10 milliseconds Release time: typically 10 seconds, varies with program content
Indications	Status LEDs	3 colour LEDs indicate power, input and output diagnostic information Connection provided for our LED halo indicator microphone
Self Test	Microprocessor controlled	Unit, including microphone and loop connections is continuously monitored, and internal and external LED indicators are updated
Energy Saving	Sound activated	Unit will enter low energy "sleep" mode when acoustic conditions indicate lack of usage