



V12a Hearing Loop Driver

V12a

Our highly efficient and compact V12a is a constant current, dual output hearing loop driver, with integral phase shifter for perimeter or phased array configuration. The V12a is suitable for smaller facilities and venues.

It has Class-D amplifier output stages and an audio subsystem built around an advanced DSP core. Combined with a powerful CPU to ensure peak performance, the V12a uses cutting edge technology proven in the pro audio world to achieve life-like speech and first-class music reproduction.

Features

- DSP controlled automatic gain control and high frequency compensation for metal loss
- 2 X 90° phase shifted (DSP controlled) Class-D amplifier output stages capable of delivering $5A_{RMS}$ @ $>12V_{RMS}$
- Ultra-efficient power utilisation (up to 90% efficient)
- Up to 440m² efficient phased array loops*
- True constant current output stage
- Simple user interface
- Backlit LCD display
- Sleep mode
- Continuous self-testing
- Integrated protection circuits with temperature, voltage, short circuit and DC detection
- Compact half-width 1U chassis

Applications

Suitable for smaller sized facilities such as:

- Meeting rooms
- Classrooms
- Care & nursing rooms
- Waiting rooms

Talk to us now:

1800 251 367

sales@ambertech.com.au

www.ambertech.com.au

Physical Data

Dimensions	Height – 41mm (1.6") Width – 196mm (7.7") Depth – 147mm (5.7")
Weight	970g (2.1lbs)
Construction	Mild Steel
Finish	Black Powder Coated



Technical Data

Inputs	1 X Balanced line level (3 pin euro-block) or 1 X Balanced line level (XLR)	
	1 X Mic level (12V phantom power)	
	1 X DC input	
Outputs	2 X Loop outputs (5.08mm euro-block)	
Loop Output Characteristics	>12 VRMS @ 5A RMS	
	Distortion	<-46dB @ 1KHz
	Frequency Response	100Hz – 5000Hz (=/- 3dB relative to 1K Hz)
Display & Controls	Display	LED Backlit LCD display
	Control	Single rotary control
	Microphone Signal	Simple High-Low-Good indication
	Microphone Attenuator	1dB steps with alphanumeric display
	Line Signal	Simple High-Low-Good indication
	Line Attenuator	1 dB steps with alphanumeric display
	Loop Output Current	10 segment bar-graph (LCD display)

Distributed by Amber Technology

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