



Integrated Hearing Loop Driver with Case

IL-A42-01

Our Integrated Hearing Loop Driver with Case is designed to be incorporated into third party manufacturers' equipment. It provides an integral solution to machines and equipment requiring a hearing loop driver.

Components

- OEM Integrated Hearing Loop Driver [IL-A42]
- Casing
- x4 M3 x 13mm Hex Spacer

Features

- AGC (Automatic Gain Control) self adjusts to accommodate variations in input level
- Constant-current loop drive
- Audio line input is ohmically isolated
- No adjustments required
- Frequency response compliant with IEC 60118-4 when correctly driven and connected to an aerial with suitable characteristics
- Low power consumption
- Can be powered from host system (12 - 14V DC) or from a suitable DC power supply (12V-14V)

Physical Data

Dimensions	Height – 55mm (2.16") Width – 4.68mm (1.88") Depth – 25mm (0.98")
Weight	240g (0.52lbs)
Construction	ABS Plastic / Standard FR4 PCB material
Finish	Black

Applications

This module will accept input signals from the following:

- Pre-recorded sound sources (line out signals)
- Low voltage loudspeaker outputs
- VOIP (voice over internet protocol) audio adapters
- Intercom systems
- PA systems

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Technical Data

Loop Drive Compliance	Constant current, bounded by 4V RMS & 2A RMS
Inputs	2 x 3.5mm TRS audio jack
Loop Output	Screw terminals on 5mm 2-way Euro-block
Power	14V DC 2.14A via 2.1mm (from PS-55 or host system)

Standards

- Induction loop performance compliant with BS EN60118-4 (when correctly installed)

Legislation

Directive Number	Directive Title
2014/30/EU	The Electromagnetic Compatibility Directive
Test Standards:	EN 55032:2015, Class B
	> EN55016-2-1:2009 A1 2011
	> EN55016-2-3:2010 A1 2010
	EN 55103-2:2009 E2
	> EN61000-4-2:2009
	> EN61000-4-3:2006 A1 2008 A2 2010
	> EN61000-4-4:2012
	> EN61000-4-5:2014
	> EN61000-4-6:2009
	> EN61000-4-11:2004
	EN 61000-3-2:2014
	EN 61000-3-3:2013
2014/35/EU	Low Voltage Directive (LVD)
2012/19/EU	Waste Electrical & Electronic Equipment (WEEE) Directive
2011/863/EU	The Restriction of Hazardous Substances Directive