



## Integrated Hearing Loop Driver

IL-A42 / IL-A42-02

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

### 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
- LED status indication: LEDs show drive and loop fault conditions
- 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 – 78mm (3.07") Width – 48mm (1.88") Depth – 12mm (0.47")
Weight	28g (0.06lbs)
Construction	Standard FR4 PCB material
Finish	Bare PBC (as pictured)

### Technical Data

Loop Drive Compliance	Constant current, bounded by 4V RMS & 2A RMS
Inputs [IL-A42]	3.5mm TRS audio jack
	Screw terminals on 2.54mm Euro-block
Inputs [IL-A42-02]	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)

### 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

### Standards

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

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