

# SilentPower GND Defender

Eliminates speaker 'hum' and cuts ground loops



## Overview

SilentPower's GND Defender is engineered to automatically eliminate ground loops, which are common sources of annoying low-frequency hum and buzz in interconnected audio and AV systems. By inserting resistance and employing smart ground detection, it maintains a safe earth connection while removing unwanted loops, improving signal integrity and system clarity.

## Key Features

### Custom Installation & Pro AV Benefits:

- **Intelligent Ground Detection:** Automatically corrects ground loops, simplifying troubleshooting for installers and integrators.
- **EMI Shielding Retained:** Ensures the equipment remains protected against electromagnetic interference, critical for reliable operation in complex AV and installation setups.

- **Equipment Safety Maintained:** Unlike traditional "ground lift" adapters, the GND Defender does not compromise the unit's safety earth; auto-reinstates ground connection if a fault is detected, meeting professional installation safety standards.
- **Universal Compatibility:** Works with international voltages (90–240V AC), hospital-grade IEC connectors, suitable for global deployments.
- **Improved Audio and Video Quality:** Reduces ground-borne hum and visual noise, delivering clearer sound and cleaner image signals in multi-device setups such as racks, studios, and boardrooms.
- **Passive Operation:** Requires no configuration; installers plug it in-line between power cable and device—ideal for timesaving installations.
- **Robust Construction:** Fireproof, flame-resistant, and rated for high surge overload, meeting industrial specifications

## Technical Specifications

- **Electrical characteristics**
  - Voltage rating: 90-240V
  - Continuous load: 10A (1100–2400W)
  - Connectors: Hospital-grade IEC connectors
  - Ground Safe: Auto-reconnect on fault detection
- **Physical characteristics**
  - Dimensions: 68 x 37 x 32 mm (2.7" x 1.5" x 1.3")
  - Weight: 61 g (2.2 oz)
  - Limited warranty: 12 months

## Contact Us

SilentPower

Email: [info@silentpower.com](mailto:info@silentpower.com)

Website: [www.silentpower.com](http://www.silentpower.com)