

# SilentPower

**UNDER EMBARGO UNTIL 00:01, THURSDAY 26<sup>TH</sup> MARCH 2026**

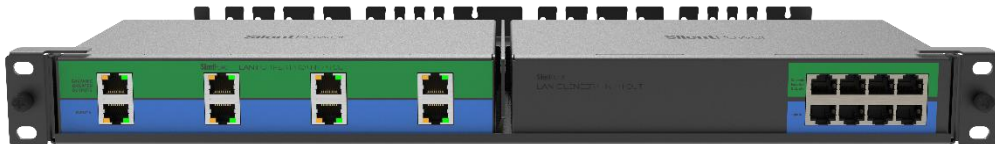
## **SilentPower Introduces New Multiport LAN Solutions: The LAN iSilencer 4/8/12 Series, and the LAN iPurifier Pro 4-In/4-Out**

**26<sup>th</sup> March 2026** – SilentPower, a pioneer in network signal integrity and advanced connectivity solutions, is proud to unveil new multiport variants of its acclaimed LAN iSilencer and LAN iPurifier Pro.

Designed for the demands of the Pro AV and Custom Installation (CI) markets, these next-generation solutions deliver the same industry-leading noise suppression, electrical isolation, and data protection—now in a compact, 1U rack-mountable format ideal for professional system builds.

The four new variants are:

- **LAN iSilencer 4 [4 in / 4 out]**
- **LAN iSilencer 8 [8 in / 8 out]**
- **LAN iSilencer 12 [12 in / 12 out]**
- **LAN iPurifier Pro 4 [4 in / 4 out]**

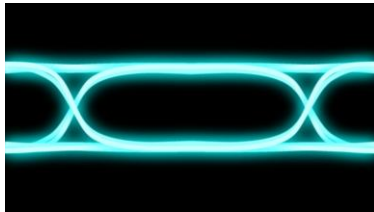


### **Network Integrity, Reimagined for AV Performance**

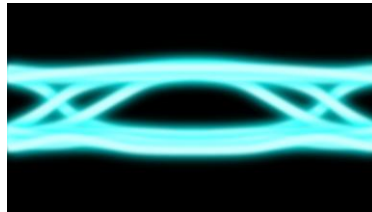
In professional or custom environments, network reliability and signal integrity are paramount. Yet, off-the-shelf network devices are typically designed with a singular focus on data throughput, not the nuanced demands of AV performance.

This results in a common but often invisible problem: interference. Whether introduced by switching regulators, poor PCB layout, or inadequate shielding, noise can propagate unchecked through Ethernet cabling – especially in systems where multiple devices share a network.

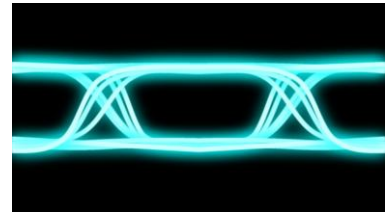
Rather than filtering noise, the network becomes a carrier for it, amplifying the issue system-wide.



*A good eye pattern.*



*Random fluctuations, possibly caused by RFI, unshielded copper wires (EMI), power lines, or motors.*



*An unbalanced eye pattern, potentially showing the effect of DC voltages.*

When interference is transmitted through Ethernet cabling alongside digital data, it impacts timing at the conversion stage, compromising the precision required for accurate audio/video conversion – particularly noticeable in high-resolution or time-sensitive applications. In larger-scale installs, proximity to AC power lines can introduce DC bias voltages, further destabilising the LAN signal. In severe cases, communication between network endpoints can fail entirely.

These are not edge cases – they are endemic to modern AV networks that lack purpose-built signal conditioning. SilentPower's latest range of multiport LAN solutions directly address these challenges, delivering robust electrical isolation, advanced interference suppression, and optimised signal performance in demanding deployments.



## **LAN iSilencer: Galvanic Isolation and RF Noise Suppression for Demanding Networks**

SilentPower's LAN iSilencer is a passive data line isolator designed specifically for the rigours of professional-grade environments. Housed within a fully shielded RJ45 plug and socket with dedicated grounding, it employs transformer-based architecture to provide galvanic isolation between network infrastructure and endpoint devices. This eliminates ground-loop induced

noise and common-mode interference, ensuring clean, stable transmission. Beyond electrical isolation, the iSilencer incorporates passive RF filtering to reduce the impact of high-frequency RFI.

A key benefit of the transformer-based design is the elimination of DC bias – a common cause of LAN instability, especially in long-run cabling near AC power infrastructure. The LAN iSilencer outputs a balanced signal with no voltage offset, resolving communication issues even in electrically noisy environments such as machine rooms, server racks, data closets, and behind AV walls in smart homes or commercial buildings.

To support larger-scale installations, SilentPower now offers **multiport rack-mountable variants** of the LAN iSilencer in configurations of **four, eight, or twelve** isolated ports. Each port functions independently but is conveniently housed in a compact 1U chassis, compatible with SilentPower's Rack Mount Kit. This consolidated design simplifies deployment across enterprise AV racks, conference facilities, post-production studios, hospitality environments, and high-end residential systems – wherever clean, stable LAN connectivity is critical.

All LAN iSilencer variants are fully Gigabit Ethernet (GbE) compatible, making them easy to integrate into both legacy and modern high-speed network infrastructure.

## **LAN iPurifier Pro: Optical Isolation and Signal Regeneration for Critical Components**

In critical AV environments, even minor electrical noise or timing inconsistencies can compromise system performance. Designed for the most demanding applications, the LAN iPurifier Pro delivers optical galvanic isolation and advanced signal conditioning.

Unlike transformer-based designs, the LAN iPurifier Pro converts incoming Ethernet data into light, transmitting it across an optical barrier before reconversion. This process eliminates all direct electrical pathways between input and output, effectively blocking common-mode noise, stray voltages, and parasitic coupling that can pass through conventional isolation methods.

Once isolated, the LAN iPurifier Pro reconstructs the digital signal using active circuitry. This bit-perfect reconstruction mitigates jitter and restores timing accuracy, ensuring optimal performance for critical components such as streamers, network bridges, digital processors, and audio servers.

An integrated ultra-low-noise DC-DC power supply ensures clean internal operation, while support for external low-noise linear power supplies enables system-wide optimisation. As such, the LAN iPurifier Pro is particularly well suited to professional AV installations, mastering suites, high-end listening rooms, and other noise-sensitive commercial applications.

SilentPower is now ready to unveil the next evolution of this concept - the **LAN iPurifier Pro 4**. This new multiport variant integrates **four** independent LAN iPurifier Pro units into a single 1U chassis. Designed for seamless installation using SilentPower's Rack Mount Kit and fully GbE compatible, the LAN iPurifier Pro 4 delivers high-performance optical isolation and signal regeneration in a format tailored for mission-critical networks.

*Note: Power over Ethernet (PoE) is not supported by the LAN iSilencer or LAN iPurifier Pro.*

## Pricing & Availability

The LAN Silencer 4/8/12 and LAN iPurifier Pro 4 are available to purchase at [silentpower.tech](https://silentpower.tech) and authorised dealers. Prices for these devices are as follows:

**LAN iSilencer 4-In/4-Out:** £199/€199/\$199(USD)/\$219(CAD)

**LAN iSilencer 8-In/8-Out:** £399/€399/\$399(USD)/\$439(CAD)

**LAN iSilencer 12-In/12-Out:** £599/€599/\$599(USD)/\$659(CAD)

**LAN iPurifier Pro 4-In/4-Out:** £699/€699/\$699(USD)/\$769(CAD)

## Product Overview Table

Product	No. of Isolated Ports	Isolation Technique	Typical Applications
LAN iSilencer 4	4	Transformer	Small AV racks, home cinemas, residential control systems
LAN iSilencer 8	8	Transformer	Mid-sized AV installations, conference rooms, multi-zone AV networks
LAN iSilencer 12	12	Transformer	Server rooms, commercial control rooms, post-production studios, data closets
LAN iPurifier Pro 4	4	Optical and Transformer	Mission-critical AV networks, broadcast systems, sensitive digital audio chains

## About SilentPower

Launched in 2024, SilentPower draws on over two decades of research into system optimisation. Evolving from AMR's pioneering work in power conditioning and iFi audio's dedication to sonic purity, SilentPower is a technology-driven company focused on removing the often-overlooked barriers to AV performance. Their mission: to unlock the final 30% of potential in any AV system through innovative, source-focused solutions.

## Contact

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