

Mira P-5



In the world of high-end audio, every component matters. The network switch, often overlooked, is the gateway through which your digital stream must pass. The most critical disturbances for an audiophile network switch are Clock Jitter, Power Supply Noise (mains noise/EMI), and leakage currents.

Addressing these disturbances is essential because they are passed on via the Ethernet cable to connected audio components, such as streamers or network players. The **Mira P-5** is engineered to eliminate these digital pollutants, delivering a signal that is fundamentally cleaner, more stable, and truer to the original recording. For optimal performance, connection to **Sygnus X-2** power processors is highly recommended to establish a foundation of clean power and Earth.

Essential features

Low-Jitter Master Clock

Ultra Low-Jitter Clock, resulting in sharper transient attacks, greater micro-detail, and the ability to hear subtle textures and reverb tails that were previously masked by timing noise.

Ultra-Stable Power Supply

Ultra-stable linear power supply with a two-stage-regulator and extremely low noise. This design removes subtle electronic hash and ripple that would otherwise leak into the signal, resulting in a perceptibly "blacker" background. This reveals more micro-detail and delivers greater clarity. The high stability ensures that all circuits receive steady, instantaneous current, resulting in superior control and transient accuracy, particularly in the low frequencies. Consequently, bass notes become tighter and more defined. Furthermore, the low noise reduces distortion of the signal's harmonic structure, resulting in a richer, more organic sound, removing the "hard" or "etched" quality often associated with digital noise.

Dedicated Earth System

The Mira P-5 is a double-insulated device, utilizing the Protective Earth (PE) solely as a Functional Earth (FE). This system provides a facility to bypass noise and interference present on the standard Mains Earth via a dedicated XLR connection. When the XLR Dedicated Earth Plug is connected, the internal system automatically isolates the Functional Earth derived from the mains, ensuring the unit only references the ultra-stable, clean earth supplied by the Sygnus connection. This eliminates earth-loop interference, resulting in an absolute silence against which the music is played. The purity of the earth reference ensures that the internal clock and

digital engine operate with maximal precision, resulting in superior focus and image definition.

1500V Port-to-Port Isolation

The Ethernet cable inevitably acts as a conduit for electrical noise generated by connected components. This essential isolation barrier physically separates the electrical domain of all five ports, virtually eliminating noise cross-contamination. The audible result is a significant improvement in spatial definition and clarity, allowing the soundstage to open up dramatically and maximizing the transparency of the entire playback chain.

Audio-Optimized Data Rate

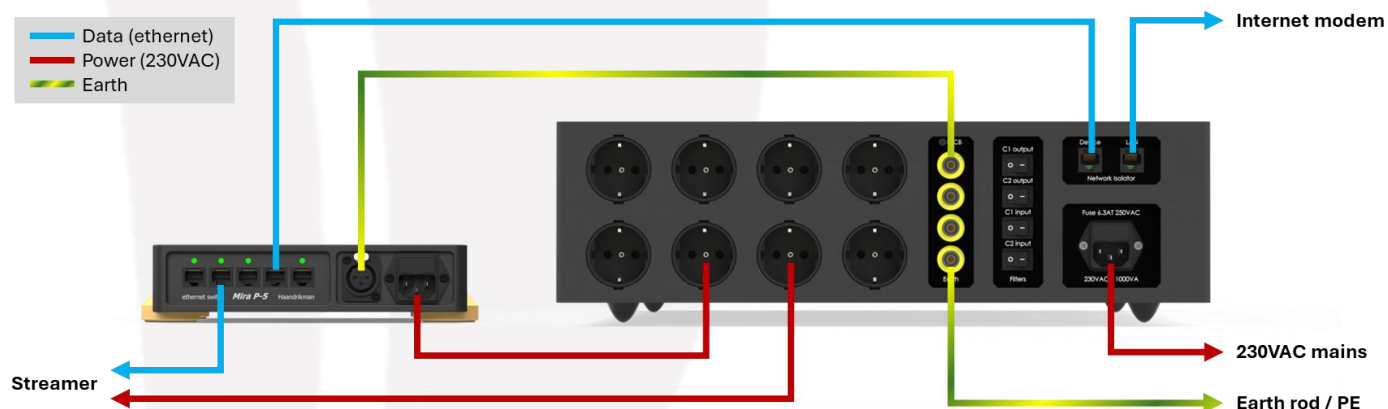
The Mira P-5 is intentionally designed with a 10/100Mbps data rate. Unlike standard Gigabit (1Gbps) switches designed for mass data transfer, the Mira P-5 prioritizes signal purity. High-speed networking components generate significantly higher levels of high-frequency noise and processing overhead, which can induce jitter and pollute the sensitive circuitry of your streamer. Since even the highest-resolution audio streams require only a fraction of this bandwidth, our 100Mbps architecture ensures a significantly lower noise floor and a more stable environment, preserving the delicate nuances of your music.

Specifications

Parameter	Minimum	Typical	Maximum	Unit
Power				
Power inlet type	IEC320-C14			
Input voltage	207	230	253	VAC
Input frequency	47	50/60	63	Hz
Power consumption		4		VA
Input fuse type	20x5mm cartridge fuse			
Input fuse specification	250mAT / 250V			
Power Indicator	Blue Power LED (Centre Top)			
Clock Phase Jitter	-	80	<150	fs
Network				
Standard Compliance	IEEE 802.3, IEEE 802.3u, IEEE 802.3az (Energy Efficient Ethernet)			
Port Type	UTP			
Connection	Auto-Negotiation and Auto MDI/MDIX			
Data Rate	10Mbps/100Mbps (10BASE-T/100BASE-TX)			
Number of ports	5			
Port to port isolation		1500		V
General				
Enclosure	Solid Milled Aluminium			
Dimensions (WxDxH)		210 x 210 x 50		mm
Weight		4,3		kg
Degree of protection		IP20		

Connecting to the Sygnus X-2

The Mira P-5 performs best when paired with an additional Ethernet isolator, a clean Earth connection, and a clean power source. The Sygnus X-2 provides all these features. Refer to the connection diagram below for optimal performance.



Haandrikman Audio Systems B.V.

Archimedesbaan 3 | 3439ME Nieuwegein | Netherlands



Haandrikman
Audio Systems