

# Sygnus X-1



The Sygnus X-1 is a 1000VA power processor and distribution unit that provides a clean power supply for audio equipment. Both the noise from the mains and the noise caused by the individual audio components are reduced, resulting in a significant improvement in the sound quality of your audio system.

The Sygnus X-1 is a 1000VA power processor and distribution unit that provides a clean power supply for audio equipment. Both the noise from the mains and the noise caused by the individual audio components are reduced, resulting in a significant improvement in the sound quality of your audio system.

## Essential features

### Power distributor

With 8 power outlets all your audio components are powered. This results in a central power supply and star Earth, reducing equalization currents.

### Galvanic isolation

All 8 outputs are electrically isolated from the 230VAC mains, eliminating most of the common mode mains pollution.

### Balanced output voltage

Two phases of 115VAC provide a balanced output voltage of 230VAC. As a result the differential mode pollution drains less current to the ground, resulting in a cleaner Earth for your audio system.

### Input filters

The mains voltage is filtered with an adjustable input filter. This filter suppresses differential mode mains pollution and can be adjusted while the system is on, allowing you to hear the effect of a setting change directly. The filter has 4 positions for optimal tuning.

### Output filters

Each output is equipped with a filter to suppress mains pollution by individual audio components. In addition, there is an adjustable output filter that works across all outputs and reduces both differential and common mode pollution. This filter has 4 positions and can be adjusted while the system is on.

### System Earth

For optimal results, a separate System Earth can be connected, for instance using a ground rod. This allows the Protective Earth to be disconnected, so the audio equipment is only connected to its own dedicated System Earth. This setup prevents pollution from the safety Earth reaching the audio system.



## Safety features

- Earth Leakage Circuit Breaker** Due to the galvanic isolation, the Earth Leakage Circuit Breaker in the fuse box does not respond to the ground fault current at the output. The built-in audiophile Earth Leakage Circuit Breaker prevents possible danger from leakage currents. The operation can be checked with a test button.
- System Earth protection** When using a separate System Earth, a safety system compares the potential of the System Earth with the Protective Earth. If the voltage difference becomes too high, the system switches off to prevent damage or unsafe situations.
- Overload protection** Overloading can lead to overheating of the system. While short-term overloading usually does not cause problems, the overload protection ensures that the device remains protected from damage.
- Short-circuit protection** The system is equipped with a fuse that acts as short-circuit protection.

# Specifications

Parameter	Minimum	Typical	Maximum	Unit
<b>Electrical characteristics</b>				
Max. constant output power		1000		VA
Efficiency		>96		%
Input voltage	117	230	253	VAC
No load voltage output		230		VAC
Full load voltage output		224		VAC
Input frequency	47	50/60	63	Hz
Inrush Current		<20		A
<b>Connections</b>				
Power input connector	IEC320-C13			
Output connectors	8x schuko (type E or type F)			
Earth connectors	4x gold plated banana 4mm			
<b>Features</b>				
Conversion	Galvanically isolated balanced output			
System Earth	Selectable disconnection of the protective earth			
Input filter	Hot configurable LC filter – 4 settings			
Output filter	Hot configurable LC Filter – 4 settings			
Electromagnetic shielding	Integrated shield & thick steel enclosure			
<b>Protective measures</b>				
Input fuse type	20x5mm cartridge fuse			
Input fuse specification	6.3AT / 500V / Breaking Capacity 1500A			
Overload protection	Thermal Switch			
Earth Leakage Circuit Braker (ELCB)		10		mA <sub>RMS</sub>
Audio Earth voltage cut-off		20		V <sub>top</sub>
Integrate ELCB tester	External test plug			
<b>General</b>				
Dimensions (WxDxH)		430x400x127		mm
Weight		40		kg
Degree of protection		IP20		

