



▶ Audiant DP32 DAC Preamplifier

A digital and analogue preamplifier featuring 32-bit digital to analogue converter, fully balanced analogue circuits and ample input options – featuring AES/EBU digital and balanced XLR analogue along with asynchronous 24-bit/192kHz USB.

The Audiant DP32 DAC Preamplifier is simply captivating; from its sleek, modern appearance to its transparent, extended, and engaging sonic presentation. The sound is spacious and focused, resolving so much information but without brightness, grain or artefact.

Once again Perreux bring you a ground-breaking preamplifier to reconnect you with the MUSIC.

▶ Features

Reference ESS Sabre³² DAC

The ES9018 Reference 32-bit DAC from ESS Technology, with patented Hyperstream™ DAC architecture and Jitter Eliminator, provides the foundation for accurate sound reproduction.

Asynchronous 24-bit/192kHz USB Input

Playing music from a computer using asynchronous 24-bit/192kHz USB allows the superior detail, dynamics and transparency of high definition music to be realised to its full potential.

Fully Balanced Signal Path

Analogue signal paths are fully balanced from input to output, including RCA inputs and outputs which are converted on entry and exit, giving improved noise rejection allowing true 24-bit dynamic range.

I²S Digital Audio Bus Re-clocking

The I²S bus is re-clocked to either of the two precision low-jitter master clocks and combines with the Hyperstream™ architecture and Jitter Eliminator of the Sabre³² DAC resulting in jitter-free audio.

High Dynamic Range

High definition 24-bit recordings have pushed the limits of dynamic range to new levels, no longer is 100dB adequate – with dynamic range exceeding 140dB, the preamplifier reveals the full potential of high definition music.

Touch Panel Interface

Dimmable LED Display

Full Function Remote Control

Buffered Passive Volume Control

The buffered inputs and outputs of the passive balanced volume control provide constant input and source impedances regardless of the volume dial position while utilising the low-noise qualities of a passive volume control element to ensure music emerges from a stark black background.

Shunt Voltage Regulators

Several regulated supply rails are used throughout and low-noise discrete shunt regulators with high-rejection are employed for the critical master clock and re-clocking circuits.

Isolated Digital Inputs

Electrically isolated digital inputs assure no ground loops and stop the power supply noise in source components from degrading sound quality.

Direct Coupled

The fully balanced preamplifier is direct coupled with no capacitors in the signal path to introduce phase shift to the analogue signal, retaining the purity and intended tonal balance of the music.

Ultra-low Distortion

Total harmonic distortion reaches ultra-low levels of 0.0005% (-106dB) providing transparent, detailed and accurate sound reproduction to faithfully capture the heart, soul and emotion of music.

Home Theatre Bypass

12V Trigger Output

Fixed or Variable Outputs



► Specifications

All measurements taken using the variable balanced output at $2V_{rms}$ output voltage unless otherwise stated.

Analogue Inputs:	1 Balanced/Unbalanced (<i>selectable</i>) 1 Unbalanced Line/Home Theatre (<i>selectable</i>)
Analogue Input Impedance:	
Balanced	20k Ω
Unbalanced	47k Ω
Digital Inputs:	1 USB (<i>asynchronous 24/192</i>) 1 AES/EBU (<i>XLR</i>) 2 Coaxial (<i>RCA</i>) 2 Optical (<i>Toslink</i>)
Digital Input Impedance:	
AES/EBU	110 Ω
Coaxial	75 Ω
Digital to Analogue Converter:	ESS Tech Sabre ³² ES9018 Reference 32-bit DAC
Maximum Input Word Length:	24-bit (<i>all digital inputs</i>)
Maximum Input Sample Rate:	192kHz (<i>all digital inputs</i>)
Analogue Pre Outputs:	1 Balanced (<i>XLR</i>) 1 Unbalanced (<i>RCA</i>)
Analogue Line Outputs:	1 Unbalanced (<i>RCA</i>)
Volume Control Bypass:	Yes (<i>selectable</i>)
Maximum Output Voltage:	
Balanced XLR	16.0V _{rms}
Unbalanced RCA	8.0V _{rms}
Analogue Output Impedance:	
Balanced XLR	100 Ω
Unbalanced RCA	50 Ω
Total Harmonic Distortion (THD+N):	
Typically	0.0005% @ 1kHz
20Hz to 20kHz	better than 0.001%
Frequency Response	
20Hz to 20kHz	+0dB, -0.05dB
Signal to Noise:	140dB, ref. 2V _{rms} (<i>unweighted</i>)
Dynamic Range:	140dB @ -60dB, ref. 2V _{rms} (<i>unweighted</i>)
Channel Separation:	
20Hz to 20kHz	better than 115dB, ref. 2V _{rms}
Dimensions:	
Width	431mm (17.0")
Depth	305mm (12.0")
Height	67mm (2.6")
Weight:	8.0kg (17.6lb)



100% Designed and Manufactured in New Zealand