

CELTO ACOUSTIQUE

P-PERFORMANCE SERIES



INTRODUCTION

Advanced technological features have been added to **CELTO Acoustique**'s P-PERFORMANCE amplifiers, ensuring exceptional value-for-money. These advanced features include **CELTO Acoustique**'s proprietary **TrueSound** high-current, high-resolution class D output stage.

The **CELTO Acoustique** team continues to innovate and have worked hard to tune the preamp with Studio grade TrueRMS VCA limiters and high voltage low distortion OP-Amps. The PCB layout has been optimally designed for short signal paths. Furthermore, this P-PERFORMANCE amplifier features independent ground planes and audiophile capacitors for immaculate sound quality.

With sustained current capacity, **CELTO Acoustique** P-PERFORMANCE amplifiers produce deep bass tones and smooth high frequencies. This is comparable to older generation oversized pure Class A designs, yet offers the efficiency demanded by modern amplifiers. A high-power class D amplifier that produces impressive infra-bass like no other in its class.

Designed for those who expect maximum power and performance, this amplifier will create sounds that resonate deep within the body, creating ultimate enjoyment for all ears.

FEATURES AT A GLANCE

- **TrueSound** Class D with High-Speed High-Current MOSFETs
- Studio quality preamp with TrueRMS VCA limiters
- A-Grade Copper enhanced main toroidal transformer
- MCU controlled **3D-Guard SOM** (Smart Overheat Management)
- SuperCharged 105°C long life capacitors
- FEM optimized **R:Cool** radial heat sinks
- Simple layout and assembly for easy servicing
- Genuine parts exclusively provided by world class suppliers
- Compact and Lightweight 2U low depth format
- 2 years warranty

CELTO TRUESOUND

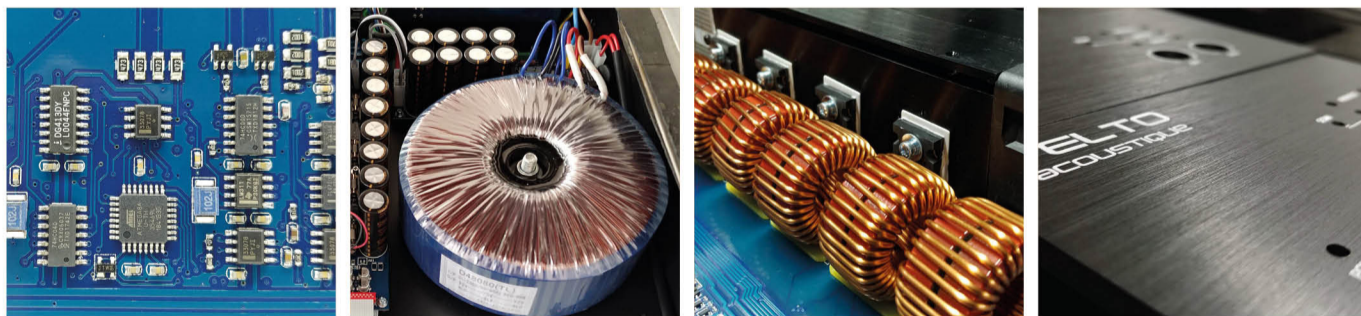
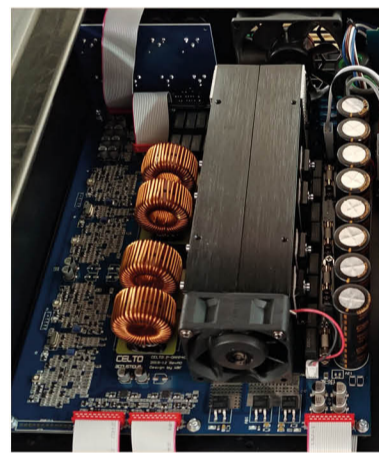


CELTO Acoustique TrueSound topology is characterized by noteworthy, natural tonality and transparency - even in the most demanding situations.

Featuring a low distortion preamp with high voltage OP-Amps and a PCB layout that has been optimally designed for short signal paths. Independent ground planes and audiophile grade components have been implemented for maximum performance. Even in extreme conditions, consistency in sonic quality remains, thanks to the studio grade PeakStop and TrueRMS VCA limiters.

This fourth generation differential Class D output stage features a distinct load independent frequency curve and high sampling rate for low distortion.

With sustained current capacity, **CELTO Acoustique**'s P series are the only switching amplifiers that produce powerful bass tones and smooth high frequencies comparable to that of a Class A audiophile designs.



TECHNICAL SPECIFICATIONS

	P2.25	P4.14
RMS Output Power 1kHz, 1% THD, EIA Standard	2x2500W / 4Ω 2x1300W / 8Ω	4x1400W / 4Ω & 2Ω 4x800W / 8Ω
Frequency Response	5~20,000Hz (-1dB)	
Typical THD (Half Power, 1kHz, 8Ω)	<0.05%	
Signal to Noise ratio	>110dB(A)	
Amplifier Slew rate	>50V/us	
Damping Factor (8 ohms, 500Hz)	>800	
Nominal Voltage Gain	x50 (34dB)	
Maximum input	+22dBu	
Protections	Short-circuit, Over and Under-voltage, Over-current, Over-load, Temperature	
Input Connectors	Balanced NEUTRIK® XLR IN + XLR LINK	
Output Connectors	NEUTRIK® SPEAKON NL4MP	
Operating Voltage	190~250V AC	
Size (WxHxD)	483x88x388mm	
Weight	17kg	18.5kg