

CELTO ACOUSTIQUE

T-TOURING SERIES



CELTO T2.40

CELTO T4.26

INTRODUCTION

CELTO Acoustique T-TOURING amplifiers are revolutionising the industry, with a host of inventive solutions, unique to this product range. New features include the proprietary **PULSAR** switch mode power supply and **TrueSound**, CELTO Acoustique's high-current, high-resolution class D output stage.

Comprehensive research and development has resulted in a variety of enhanced features. **CELTO Acoustique** has worked tirelessly 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 T-TOURING amplifier features independent ground planes and audiophile capacitors for pristine sound quality.

With sustained current capacity, the **CELTO Acoustique** T-TOURING amplifiers produce deep bass tones and smooth high frequencies. This is comparable to older generation oversized pure Class A designs, yet offers the efficiency imperative in modern Touring amplifiers. The **CELTO Acoustique** T-TOURING amplifiers are capable of producing infra-bass like no other high-power switching amplifiers.

Ready to rock 'n roll, this amplifier shows it's true grit when combined with great music and an environment where it can truly be put to the test.

FEATURES AT A GLANCE

- ✦ Oversized **PULSAR** Push-Pull Switch Mode Power Supply
- ✦ **TrueSound** Class D with High-Speed High Current MOSFETs
- ✦ Studio quality preamp with TrueRMS VCA limiters
- ✦ 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 Touring grade format
- ✦ 2 years warranty

CELTO PULSAR POWER SUPPLY



PULSAR is **CELTO Acoustique's** proprietary switch mode power supply, pioneered to guarantee flawless performance, even in the most challenging environments.

Features of this switch mode power supply include a 10kW RMS dual EE65 stacked transformer, the first of its kind. A full resonant DC-DC converter, using the latest 100A MOSFETs in push-pull topology, has been incorporated to avoid the infamous "bass sag".



CELTO TRUESOUND

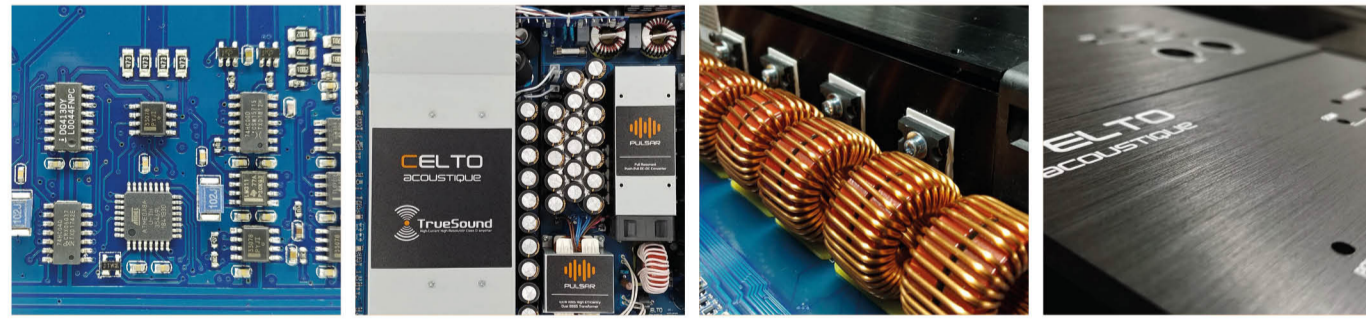


CELTO Acoustique TrueSound topology is characterized by noteworthy, natural tonality and transparency - even in the most demanding situations.

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** T 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

	T2.40	T4.26
RMS Output Power 1kHz, 1% THD, EIA Standard	2x4000W / 4Ω 2x2500W / 8Ω	4x2600W / 4Ω 4x1400W / 8Ω
Frequency Response	5~20,000Hz (-1dB)	
Typical THD (Half Power, 1kHz, 8Ω)	<0.05%	
Signal to Noise ratio	>110dB(A)	
Amplifier Slew rate	>60V/us	
Damping Factor (8 ohms, 500Hz)	>800	
Nominal Voltage Gain / Nominal Sensitivity	x50 (34dB / 2.82V (+11dBu) under 8Ω	
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)	483x88x468mm	
Weight	15kg net, 17.5kg gross	15kg net, 17.5kg gross