

DALI PHANTOM

CI AMP-2500 DSP

The DALI PHANTOM CI AMP-2500 DSP is a powerful custom installation amplifier with built-in advanced Digital Signal Processing and speaker presets. Powered by 2x 500 watts of ultra-low distortion Class-D amplification, the rack-mountable CI AMP-2500 DSP has Wi-Fi/LAN connectivity and a web-based configurator for ultimate control of high-performance DALI PHANTOM home cinema and multi-room installations.



INTEGRATED DALI SPEAKER PRE-SETS

The multi-purpose PHANTOM CI AMP-2500 DSP amplifier completes our custom install portfolio. The versatile and powerful AMP-2500 DSP features built-in Digital Signal Processing and model-specific presets to get the best possible sound experience from any DALI CI audio installation.

POWERFUL CLASS D AMPLIFICATION TECHNOLOGY WITH ULTRA-LOW DISTORTION

With 2x 500 watts of Danish-developed Class-D amplification, the PHANTOM CI AMP-2500 DSP has effortless power, extremely high efficiency and ultra-low distortion. This fan-cooled, rack-mountable powerhouse of an amplifier can also be bridged into a 1,000 watt mono amp. With such headroom, the CI AMP-2500 DSP is the perfect power source for the PHANTOM S and M series and up to four PHANTOM IW SUB S-100 in-wall subwoofers.

FULLY FEATURED DSP AND CONFIGURATOR WEB INTERFACE

The PHANTOM CI AMP-2500 DSP features a powerful array of integrated DSP tools, including parametric equalisers, audio limiters and compressors, routing matrix, input/output settings, speaker delay and speaker presets, all controlled from any Wi-Fi enabled computer, tablet or smartphone using the DALI PHANTOM AMP CONFIGURATOR web interface.

A WIDE RANGE OF APPLICATIONS

Aimed primarily at high-performance home cinema installations based on PHANTOM M and S-series CI speakers and in-wall subwoofers, the multi-purpose PHANTOM CI AMP-2500 DSP amplifier can also power in-wall and in-ceiling speakers in a multi-room installation. This versatile amplifier is also a great solution for use in bars, restaurants, cafés, fitness centres and other retail environments.



TECHNICAL SPECIFICATIONS



See the full DALI PHANTOM range on dali-speakers.com

DALI PHANTOM	PHANTOM CI AMP-2500 DSP
Frequency range	12 Hz - 20 kHz (+/- 0.5 dB, 8 Ω load, 3 dB below rated power)
Connection input(s)	4x Analog unbalanced, RCA 4x Analog balanced, Euroblock connector 1x S/PDIF, RCA
Input impedance	10 kohm
Output channels	2 x Lo-Z speaker (4 - 16 ohm) 1 x Hi-Z speaker (70V / 100V) 1x S/PDIF digital out, RCA
Maximum speaker cable cross section	2,5 mm ² / AWG 14 (Euroblock standard)
Output power @ 2 ohm	2 x 500 W (SE) *, - (BTL) **
Output power @ 4 ohm	2 x 500 W (SE), 1 x 1000 W (BTL)
Output power @ 8 ohm	2 x 250 W (SE), 1 x 1000 W (BTL)
Output power @ 70V	1 x 1000 W (BTL)
Output power @ 100V	1 x 1000 W (BTL)
Total system power	1000 W
Power consumption	350 W
Output voltage	45 Vrms (SE) - 90 Vrms (BTL), 70/100V (Hi-Z)
Output circuitry	UMAC™ Class D - full bandwidth PWM modulator with ultra-low distortion
Signal to noise-ratio	>108 dB (A-weighted, 20 Hz - 20 kHz, 8 Ω load)
THD+N (typical)	< 0.05 % (20 Hz - 20 kHz, 8 Ω load, 3 dB below rated power)
Other features:	Short circuit protection DC protection Undervoltage protection Temperature protection Overload protection Rack mountable
Power supply	UREC™ universal mains switch mode power supply with Power Factor Correction (PFC) and standby converter
Operating temperature	0 - 40° C
Operating voltage/ frequency	Universal mains, 100 V-240 V, 50 Hz-60 Hz
Power ratings	1% THD @ 120 Vac and 230 Vac
Standby consumption	< 0.5 W
Outer dimensions (H x W x D)	88 x 440 x 332 mm / 3.5 x 17.3 x 13.1 inches
Weight	5.9 kg / 13 lb
Shipping weight	7.5 kg / 16.5 lb
Accessories	2x Two channel balanced input connector 1x Two channel speaker output connector 1x GPIO socket connector 1x Mains power cable 4x Adhesive rubber feet 2x Rack mount ears (mounted)
Optional accessories	DALI CONNECT SC F222C (speaker cable) DALI CONNECT SC F215C (speaker cable)

*SE - conventional, single ended output mode

**BTL - bridge-tied load output mode All technical specifications are subject to change without notice.

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