

Amplifier

Quattrocanali4804 Quattrocanali4804/DSP+D

Quattrocanali 4804 is a 4 channels class D power amplifier usable with all APG speakers ranges depending on the desired application.

The 4 channels can work with different loads above 2 Ohm or in 100V line. Mixed configuration can be made.

When important power is needed to drive subwoofer for exemple, the amplifier can work in bridged mode.

Dedicated to fixed installation, Quattrocanali has an important efficiency. The electric consumption and the heat dissipation is weak compared to the output power.

The protection against over/under voltage, clipped signals, VHF emissions, and short Circuits make the amplifier reliable.

Quattrocanali 4804 is equipped with GPI connector for external VCA volum control and alarm GPO connectors. An ethernet port makes the control by external device possible.

Quattrocanali 4804 exists with an integrated DSP processor and Dante Input under the reference Quattrocanali 4804 DSP+D.

Quattrocanali 4804 DSP+D will offer a 4 x 4 matrix or all analogue and digital inputs. Integrated in the DSP will offer filters per channel offering raised-cosine, custom FIR, parametric IIR, peaking, hi/lo-shelving, all-pass, band-pass, band-stop, hi/lo-pass filters and a crossover linear phase (FIR), Butterworth, Linkwitz-Riley, Bessel: 6 dB/oct to 48 dB/oct(IIR).

For time alignment the DSP in the amplifier will offer Delay 2s (input) + 100ms (output). The limiters in the DSP will contain TruePower™, RMS voltage, RMS current and Peak limiters. Active DampingControl™ and Live Impedance™ measurement will be part of the DSP.



Number of channels : 4

Output power @8Ω : 1200W per channel

Output power @4Ω : 1200W per channel

Output power @2Ω : 1500W per channel

Output power @4Ω bridge : 3000W

Output power @8Ω bridge : 2400W

Output power 100V mode : 1200W

Inputs : Analog or Dante (4804 DSP+D)

Remote : GPI or Ethernet

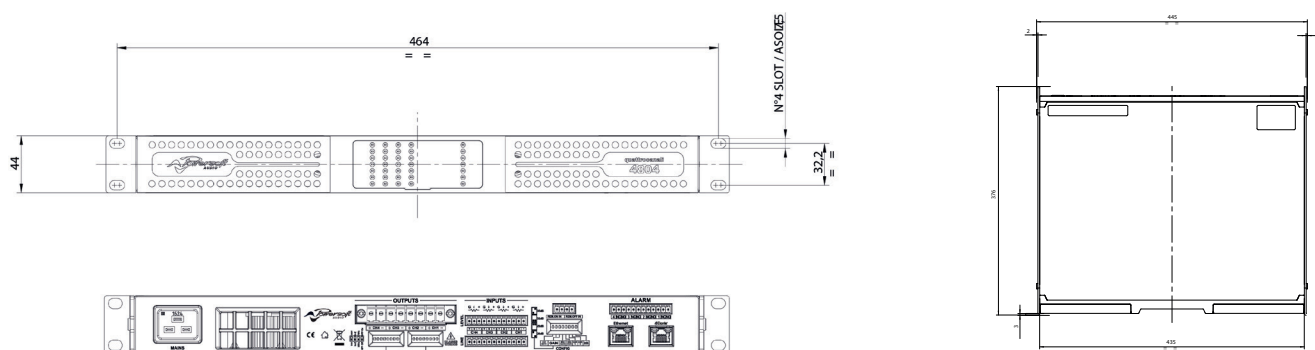
Warranty 5 years

The APG logo is displayed in a large, bold, black sans-serif font. A blue horizontal line is positioned directly beneath the letters 'P' and 'G'.

Quattrocanali4804

Quattrocanali4804/DSP+D

Technical Specifications



General

Number of channels	4			
Output Power	Stereo mode		Mono bridged mode	
	2Ω/ch	4Ω/ch	8Ω/ch	4Ω/ch 8Ω/ch
	4x1500W	4x1200W	4x1200W	3000W 2400W
Max Output Voltage/current	139V (Peak)/45A(Peak)			

AC Main Power

Power supply	Universal, regulated switch mode with PFC			
Operating voltage	100-240V ±10%, 50-60Hz			
Consumption/current draw	@115V	@230V		
	Idle	31W	0,47A	32W 0,28A
1/8 of max output power @4Ω	823W	7.7A	840W	4.3A

Audio

Gain	26dB	29dB	32dB	35dB
Frequency response	20Hz – 20kHz (1W @8Ω ± 0,5dB)			
S/N ratio	>108dB (20Hz-20kHz @8Ω, A weighted)			
Crosstalk separation	>70dB @ 1kHz			
Input impedance	20kΩ balanced			
THD+N / SMPTE IMD / DIM100 IMD	<0,1% from 0,1W to full power (typical<0,05%)			
Slew rate	>50 V/μs @8Ω, input filter bypassed			
Damping factor	>500 @ 20-100Hz (Lo-Z)			

Front panel

Indicators	7 meters LEDs per channel (4xgreen, 1xred, 1xyellow, 1xorange)
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Rear panel

Audio signal input connectors	Phoenix MC1.5/12-ST-3.81
Loudspeaker output connectors	Phoenix DFK-PC 4/8-G-7.62
Networks data Ports	1xRJ 45 socket fast Ethernet – DANTE (DSP + D version)
	1xRJ 45 socket – 485 data connection (non-DSP version)
Software Controls	Armonia

Construction

Dimensions (L,H,W)	483 x 44,5 x 360 mm
Weight	7kg

APG

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