

Amplifier

Ottocanali4K4 Ottocanali4K4 DSP+D

8 channels Power amplifier

Ottocanali 4K4 is a 8 channels class D power amplifier usable with Step-Array series with 6 channels amplifiers (SA250 - SA400) or subwoofers.

The 8 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, Ottocanali 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.

Ottocanali 4K4 is equipped with GPI connector for external VCA volum control and alarm GPO connectors. An ethernet port makes the control by external device possible.

Ottocanali 4K4 exists with an integrated DSP processor and Dante Input under the reference Ottocanali 4K4 DSP+D.

Ottocanali 4K4 DSP+D will offer a 8 x 8 matrix or all analogue and digital inputs. Integrated in the DSP will offer filters per channel offering aised-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 2 s (input) + 100 ms (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 : 8

Output power @8Ω : 250W per channel

Output power @4Ω : 500W per channel

Output power @2Ω : 450W per channel

Output power @4Ω bridge : 900W

Output power @8Ω bridge : 1000W

Output power @16Ω bridge : 500W

Output power 100V mode : 500W

Inputs : Analog or Dante (4K4 DSP+D)

Remote : GPI or Ethernet

Warranty 5 years

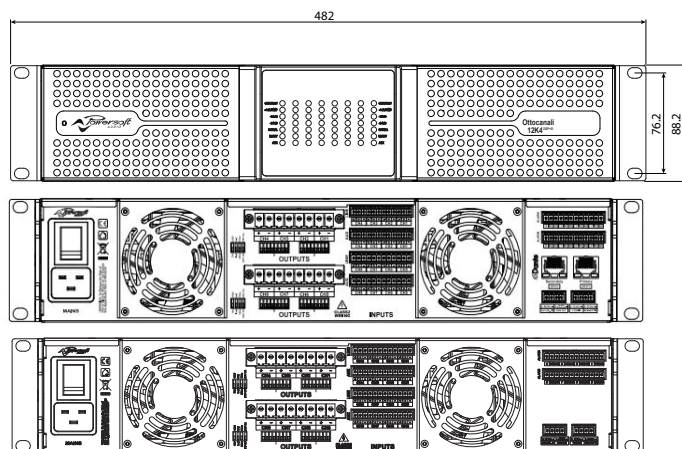


Ottocanal4K4/ DSP+D

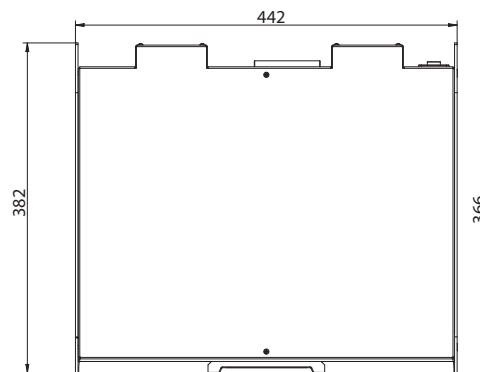
Technical Specifications

Mechanical drawing

Front views



Top views



Technical Specifications

General

Number of channels	8					
Output Power	Stereo mode			Mono bridged mode		
	2Ω/ch	4Ω/ch	8Ω/ch	4Ω/ch	8Ω/ch	16Ω/ch
	8x450W	8x500W	8x250W	900W	1000W	500W
Max Output Voltage/current	65V (Peak)/15A(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	47W	0.75A	50W	0.7A		
1/8 of max output power @4Ω	740W	6.6A	750W	3.9A		

Audio

Gain	32dB					
Frequency response	20Hz - 20kHz (1W @8Ω ± 0,5dB)					
S/N ratio	> 107dB (20Hz-20kHz @8Ω, A weighted)					
Crosstalk separation	>65dB @ 1kHz					
Input impedance	20kΩ balanced					
THD+N / SMPTE IMD / DIM100 IMD	<0,08% from 0,1W to full power (typical<0,05%)					
Slew rate	>50 V/us @8Ω, input filter bypassed					
Damping factor	> 10000 @ 20-100Hz (Lo-Z)					

Front panel

Indicators	8 x LEDs bar - Signal level and over-temperature protection
------------	-------------------------------------------------------------

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 (DSP+D version)
Software controls	Armonia

Construction

Dimensions (L,H,W)	483 x 89 x 360 mm
Weight	14kg



ARBANE GROUPE - 8 Rue Johannes Gutenberg 44340
BOUGUENAI - FRANCE
Téléphone: +33 (0)2 40 46 66 64 - E-mail:info@activeaudio.fr
www.activeaudio.fr



Ottocanal4K4/ DSP+D_01-2020
DOP_1401_B