

Ottocanali 1204 Series

8-Channel power amplifier platform
For Hi-Z and Low-Z Application



- Touring
- Installation

8 lo-Z
hi-Z
channels



Ultimately flexible and safe, with a wide range of system control and monitoring capabilities as well as sound shaping options, and a total of up to 1,200 W output power over 8 amplifier channels for lo-Z or distributed line systems, all neatly packed into a single rack unit. As 'stand-alone' in corporate board rooms, or along with Powersoft Duecanali models in the largest setups, the Ottocanali 1204 fits any venue.

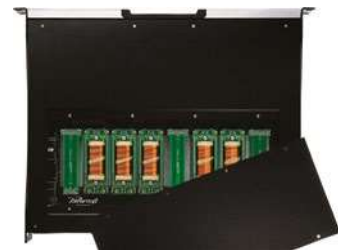
Powersoft's legendary efficiency saves space and - more importantly - valuable energy, keeping both operational cost and 'carbon

footprint' at a minimum. Ancillary technologies, such as the super-compact BatFormers®¹⁾, developed specifically for the Ottocanali 1204, add immense practical value during system design, installation and use, resulting in substantial savings at any level.

The Ottocanali 1204 is unprecedented in combining efficiency, performance and adaptability.



BatFormer¹⁾



Ottocanali, partially equipped with BatFormers

- ▶ Multi-zone venues
- ▶ Themed entertainment, amusement parks, shopping malls
- ▶ Cruise ships
- ▶ AV Systems, board rooms
- ▶ Houses of worship
- ▶ Theaters, auditoriums, concert halls
- ▶ Hotels, restaurants, bars
- ▶ Conference & learning centres

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Specifications

Channel Handling

Number of output channels	8 Hi-Z or Lo-Z (bridgeable per ch. pair)*	1x 8 Pin Phoenix DFK-PC 4/8-G-7.62
Number of input channels		
Analog	8 Main Line	12 Pin Phoenix MC 1.5/12-ST-3,81
	8 AUX	12 Pin Phoenix MC 1.5/12-ST-3,81

Audio

Gain	32 dB (@lo-Z) 41 dB (@70V hi-Z) 44 dB (@100V hi-Z)	
Input sensitivity @ 8 Ω	20 Hz - 20 kHz (1 W @ 8 Ω, +/-0.5 dB, or 32/65 W @ 70/100 V, +/-2.5 dB)	
Max input level	0.63 V / -1.79 dBu	
Frequency Response (±0.5 dB , 1 W @ 8 Ω)	20 Hz - 20 kHz @ lo-Z 55 Hz - 10,25 Hz @ 70V hi-Z 55 Hz - 16,25 Hz @ 100V hi-Z	
Crosstalk (1 kHz)	>60 dB @ lo-Z >55 dB @ 70V hi-Z >55 dB @ 100V hi-Z	
S/N (20 Hz - 20 kHz A-Weighted @ 8 Ω)	>105 dBA @ lo-Z >110 dBA @ 70V hi-Z >105 dBA @ 100V hi-Z	
Input impedance	10 kΩ Balanced	
THD+N (from 0.1 W to Full Power)	typical < 0.05%	
DIM (from 0.1 W to Full Power)	< 0.8%	
Slew Rate (input filter bypassed @ 8 Ω)	12 V/μs	
Damping Factor @ 8 Ω, 20 Hz - 200 Hz	> 500 (lo-Z)	

AC Mains Power

Power supply	Universal, regulated switch mode with PFC (Power Factor Correction)			
Nominal voltage (±10%)	100-240 V @ 50-60Hz			
Power factor (> 500 W output)	> 0.9			
Consumption/current draw	@ 115 V		@ 230 V	
Idle (Energy Save On)	8,7 W	0,2 A	9,3 W	0,30 A
Idle (Energy Save Off)	14,7 W	0,3 A	15,6 W	0,33 A
1/8 Max Output Power @ 4 Ω	226 W	2,02 A	226 W	1,26 A
1/4 Max Output Power @ 4 Ω	417 W	3,69 A	417 W	2,05 A
AC Mains connector	IEC C13 inlet (16 A max) region-specific power cord provided			

Output Stage

Maximum output power per channel @ 8 Ω	80 W
Maximum output power per channel @ 4 Ω	150 W
Maximum output power @ 16 Ω Bridged (Channel Pair)	150 W
Maximum output power @ 8 Ω Bridged (Channel Pair)	300 W
Maximum output power @ Hi-Z distributed line 100 V*	130 W
Maximum output power @ Hi-Z distributed line 70 V*	125 W
Maximum unclipped output voltage @ 8 Ω	38 V _{peak}
Maximum unclipped output voltage @ 70 V	115 V _{peak}
Maximum unclipped output voltage @ 100 V	165 V _{peak}
Maximum unclipped output voltage @ Mono-Bridged	76 V _{peak}
Maximum output current @ 8 Ω	15 A _{peak}
Maximum output current @ 70 V	8 A _{peak}
Maximum output current @ 100 V	4,5 A _{peak}
Maximum output current @ Mono-Bridged	15 A _{peak}

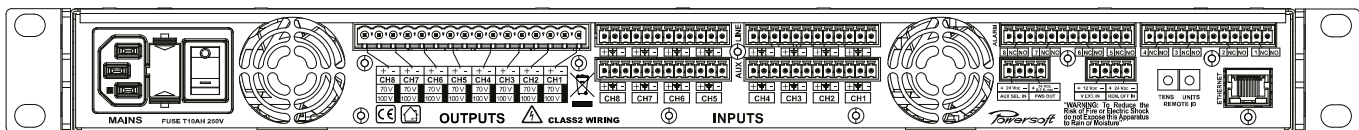
The power figure is calculated by driving and loading symmetrically all the channels: uneven loads allow to achieve higher performances.

Thermal

Operating temperature	0° - 35° C / 32° - 95° F			
Cooling	Fan, variable speed, temperature controlled, front to rear airflow			
Thermal dissipation	@ 115 V		@ 230 V	
Idle (Energy Save On)	29,67 BTU/h	7,48 kcal/h	31,71 BTU/h	8,00 kcal/h
Idle (Energy Save Off)	50,13 BTU/h	12,64 kcal/h	53,20 BTU/h	13,42 kcal/h
1/8 Max Output Power @ 4 Ω	255,75 BTU/h	64,50 kcal/h	252,34 BTU/h	63,64 kcal/h
1/4 Max Output Power @ 4 Ω	402,38 BTU/h	101,48 kcal/h	388,74 BTU/h	98,04 kcal/h

Construction

Dimensions	483 x 44,45 x 360 mm 19,0 x 1,75 x 14,2 in
Weight	5-11 Kg (11-24,3 lb) depending on the number of installed BatFormers®



*With BatFormer® inserted per channel.