

Ottocanali Series

8-Channel High-Performance Power Amplifier Platform
For Lo-Z & Hi-Z Installations



- ☐ Touring
- ☒ Installation

8 lo-Z
hi-Z
channels



Armonía
Pro Audio Suite™

The Ottocanali Series is a flexible and reliable 8-channel power amplifiers with up to a total of 12,000 W at 4Ω, ideal for multi-zone applications in medium to large-scale installs: Ottocanali Series supports any combination of lo-Z loudspeakers, mono-bridgeable channel pairs and 70V/100V Hi-Z distributed lines with no need for output step-up transformers.

The Ottocanali Series features switchable main/aux signal inputs and offers a wide range of system control, alarms, GPI/O and monitoring functions as well as sound shaping options.

The Ottocanali 12K4 implements redundant universal switch mode power supplies with PFC and patented SRM (Smart Rails Management) technology maximizing reliability, efficiency and reducing power consumption.

The in-built AC Protection intervenes when the AC Mains voltage is outside operating ranges by switching off the amplifier.

Powersoft's legendary efficiency saves valuable energy, keeping both operational cost and 'carbon footprint' at a minimum: the Ottocanali 12K4 shines with

outstandingly low power consumption and heat dissipation; This dramatically reduces costs from the AC mains supply and air conditioning/cooling systems – not to mention the benefits to the environment for a greener planet.

- ▶ Multi-zone venues
- ▶ Themed entertainment, amusement parks, shopping malls
- ▶ Cruise ships
- ▶ Stadiums, arenas, convention centers
- ▶ Houses of worship
- ▶ Theaters, auditoriums, concert halls
- ▶ Main systems, central or distributed, lo-Z/hi-Z

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Channel Handling

Number of output channels	8 Hi-Z or Lo-Z (bridgeable per ch. pair)	2x 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
Input sensitivity @ 8 Ω	1.94 V/ +8 dB
Max input level	6V / +17.8 dBu
Frequency Response (± 0.5 dB , 1 W @ 8 Ω)	20 Hz - 20 kHz
Crosstalk (1 kHz)	-65 dB
S/N (20 Hz - 20 kHz A-Weighted @ 8 Ω)	>106 dB
Input impedance	20 k Ω Balanced
THD+N (from 0.1 W to Full Power)	< 0.08% (typical < 0.05%)
DIM (from 0.1 W to Full Power)	< 0.8%
Slew Rate (input filter bypassed @ 8 Ω)	> 50 V/ μ s
Damping Factor @ 8 Ω , 20 Hz - 100 Hz	> 10000

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	
4K4	Idle	160 BTU/h	41 kcal/h	170 BTU/h
	1/8 Max Output Power @ 4 Ω	801 BTU/h	202 kcal/h	839 BTU/h
	1/4 Max Output Power @ 4 Ω	1340 BTU/h	338 kcal/h	1340 BTU/h
8K4	Idle	160 BTU/h	41 kcal/h	170 BTU/h
	1/8 Max Output Power @ 4 Ω	1480 BTU/h	373 kcal/h	1504 BTU/h
	1/4 Max Output Power @ 4 Ω	2792 BTU/h	704 kcal/h	2722 BTU/h
12K4	Idle	160 BTU/h	41 kcal/h	170 BTU/h
	1/8 Max Output Power @ 4 Ω	2141 BTU/h	540 kcal/h	1937 BTU/h
	1/4 Max Output Power @ 4 Ω	4283 BTU/h	1080 kcal/h	3874 BTU/h

Construction

Dimensions	483 x 89 x 360 mm 19.0 x 3.5 x 14.2 in
Weight	14 Kg (30.8 lb)

Output Stage

	4K4	8K4	12K4
Maximum output power per channel @ 8 Ω	250 W	600 W	850 W
Maximum output power per channel @ 4 Ω	500 W	1000 W	1500 W
Maximum output power per channel @ 2 Ω	450 W	850 W	1000 W
Maximum output power @ 8 Ω Bridged (Channel Pair)	1000 W	2000 W	3000 W
Maximum output power @ 4 Ω Bridged (Channel Pair)	900 W	1700 W	2000 W
Maximum output power @ Hi-Z distributed line 100 V	500 W	1000 W	1500 W
Maximum output power @ Hi-Z distributed line 70 V	500 W	1000 W	1500 W
Maximum unclipped output voltage @ 8 Ω	65 V _{peak}	90 V _{peak}	116.6 V _{peak}
Maximum output current	15 A _{peak}	23 A _{peak}	45 A _{peak}

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

AC Mains Power

Power supply	Redundant Universal, regulated switch mode with PFC (Power Factor Correction)			
Nominal voltage ($\pm 10\%$)	100-240 V @ 50-60Hz			
Power factor (> 500 W output)	> 0.95			
Consumption/current draw	@ 115 V		@ 230 V	
4K4	Idle	47 W	0.75 A	50 W
	1/8 Max Output Power @ 4 Ω	740 W	6.6 A	750 W
	1/4 Max Output Power @ 4 Ω	1400 W	12.4 A	1405 W
8K4	Idle	47 W	0.75 A	50 W
	1/8 Max Output Power @ 4 Ω	1425 W	12.6 A	1425 W
	1/4 Max Output Power @ 4 Ω	2800 W	24.5 A	2760 W
12K4	Idle	47 W	0.75 A	50 W
	1/8 Max Output Power @ 4 Ω	2075 W	18.5 A	2115 W
	1/4 Max Output Power @ 4 Ω	4150 W	36 A	4230 W
AC Mains connector	IEC C20 inlet (20 A max) region-specific power cord provided			

Networking

Standards compliance	auto-sensing Fast Ethernet (IEEE 802.3u, 100 Mbit/s)
Supported topologies	Star, Daisy Chain, Looped Daisy Chains, Redundant Star
Remote interface	Armonia Pro Audio Suite™

