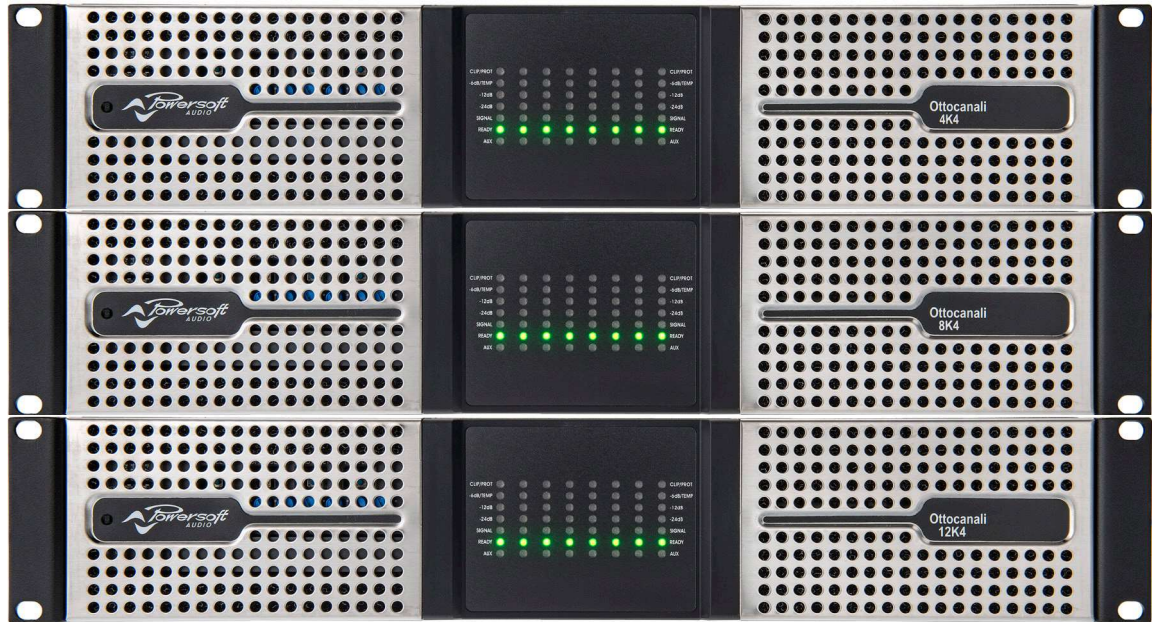




Ottocanali Series

8-Channel Fixed Installation Amplifier Platform



- TOURING
- INSTALLATION



ArmoniaPlus
System Manager

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

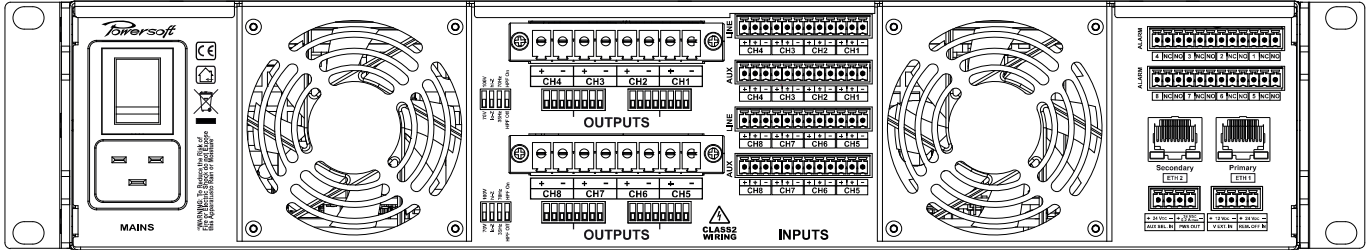
dissipation; This dramatically reduces costs from the AC mains supply and air conditioning/cooling systems – not to mention the benefits to the environment for a greener planet.

- ▶ 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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Specifications

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)		>106dB
Input impedance		20 kΩ 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/μs
Damping Factor @ 8 Ω, 20 Hz - 100 Hz		> 1000

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	43 kcal/h
	1/8 Max Output Power @ 4 Ω	801 BTU/h	202 kcal/h	839 BTU/h	211 kcal/h
	1/4 Max Output Power @ 4 Ω	1340 BTU/h	338 kcal/h	1340 BTU/h	338 kcal/h
8K4	Idle	160 BTU/h	41 kcal/h	170 BTU/h	43 kcal/h
	1/8 Max Output Power @ 4 Ω	1480 BTU/h	373 kcal/h	1504 BTU/h	379 kcal/h
	1/4 Max Output Power @ 4 Ω	2792 BTU/h	704 kcal/h	2722 BTU/h	686 kcal/h
12K4	Idle	160 BTU/h	41 kcal/h	170 BTU/h	43 kcal/h
	1/8 Max Output Power @ 4 Ω	2141 BTU/h	540 kcal/h	1937 BTU/h	488 kcal/h
	1/4 Max Output Power @ 4 Ω	4283 BTU/h	1080 kcal/h	3874 BTU/h	977 kcal/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 (±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	0.7 A
	1/8 Max Output Power @ 4 Ω	740 W	6.6 A	750 W	3.9 A
8K4	Idle	47 W	0.75 A	50 W	0.7 A
	1/8 Max Output Power @ 4 Ω	1425 W	12.6 A	1425 W	6.6 A
12K4	Idle	47 W	0.75 A	50 W	0.7 A
	1/8 Max Output Power @ 4 Ω	2075 W	18.5 A	2115 W	9.7 A
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	ArmoniaPlus™