

# Ottocanali 4K4



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



- Touring
- Installation

**8** lo-Z  
hi-Z  
channels



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

The **Ottocanali 4K4**: extremely flexible and reliable. It offers a wide range of system control and monitoring functions as well as sound shaping options, a total of up to 4,000 W output power over 8 channels for lo-Z or distributed line systems all neatly packed into a double rack unit. As 'stand-alone' unit the **Ottocanali 4K4** fits any venue. Excellent sound quality and ample output power stem from Powersoft's unique approach to Class D amplification, making the **Ottocanali 4K4** the ideal main system in any venue where performance is priority.

Powersoft's legendary efficiency saves valuable energy, keeping both operational cost and 'carbon footprint' at a minimum: the **Ottocanali 4K4** 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.

8-channel mode				mono-bridged mode	
2 Ω / Ch	4 Ω / Ch	8 Ω / Ch	70 V-100 V	4-8 Ω / Ch pair	16 Ω / Ch pair
450 W	500 W	250 W	500 W	900-1000 W	500 W

Max output power, all channels driven

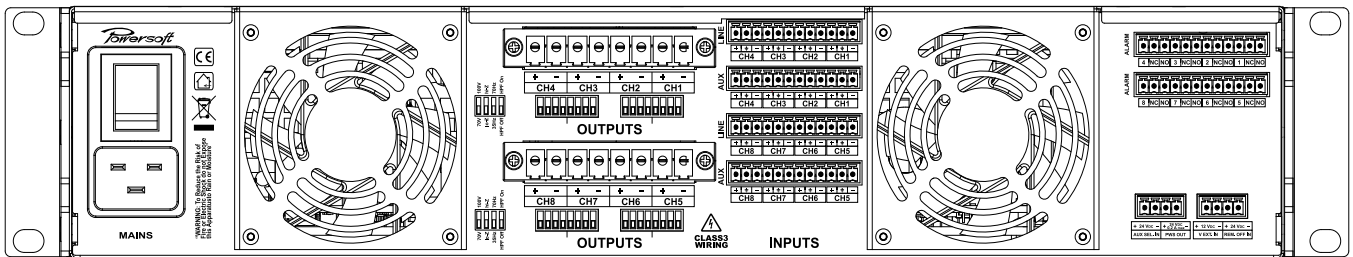
- ✓ **Legendary Powersoft efficiency:**
  - ▶ Green Audio Power®: minimal 'carbon footprint' and operational cost of electricity (Energy Star qualification pending); additional 'Energy Save' function
  - ▶ Compact and space saving: 2 RU, and standard depth 360 mm / 14.2"
- ✓ **Driving low impedance and distributed line systems:**
  - ▶ Mixed lo-Z/hi-Z systems possible
  - ▶ Bridged mode low impedance
  - ▶ Up to 28 different output configurations possible
- ✓ **Unique Powersoft technology for efficient, reliable, great sounding performance:**
  - ▶ Two universal switch mode power supplies with PFC (Power Factor Correction) each independently powering a set of 4 channels
  - ▶ Fixed frequency switch mode amplifier output stages
  - ▶ Patented amplifier output filters with ripple cancellation network
- ✓ **Maximize performances, minimize consumption:**
  - ▶ Patented SRM (Smart Rails Management) technology allows to maximize the efficiency of the system and drastically reduce power consumption at any load and usage condition.
- ✓ **Outstanding performance and operational safety:**
  - ▶ Excellent sonic quality by design, including amp clip limiters and patented ripple cancellation network
- ✓ **Practical & versatile:**
  - ▶ Directly driving either low impedance loads or 70 V/100 V lines
  - ▶ Capable of driving 2 Ω loads
  - ▶ A dipswitch set for each channel allowing selection lo-Z or hi-Z (70 V or 100 V) modes, with or without HPF filters set to either 35 Hz or 70 Hz
  - ▶ A full set of auxiliary inputs for all channels granting redundancy for security purposes
- ✓ Front panel safety cover hiding output attenuators and 'Energy Save' switch
- ✓ Channel specific independent set of alarms triggered by potentially dangerous faults or generally unsafe operation conditions
- ✓ All signal/control connectors Phoenix industry standard
- ✓ Front-to-rear airflow cooling with variable-speed fan, temperature controlled
- ✓ **Full protection circuitry:**
  - ▶ over/under AC voltage, DC
  - ▶ troublesome signals (clipping, VHF, long-term RMS)
  - ▶ thermal
  - ▶ short circuit
  - ▶ mute at power on/off
- ✓ Full four years warranty



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



## Specifications

General	
Number of channels	8 Mono-bridgeable per channel pair
Max Output power	8-channel mode      mono-bridged mode
(all channels driven)	2 Ω / Ch    4 Ω / Ch    8 Ω / Ch    70 V    100 V    4-8 Ω / Ch pair    16 Ω / Ch pair
Max output voltage	450 W    500 W    250 W    500 W    500 W    900-1000 W    500 W
Max output current	65 V <sub>peak</sub> 100 V <sub>peak</sub> 141 V <sub>peak</sub> 135 V <sub>peak</sub>
	15 A <sub>peak</sub> 10 A <sub>peak</sub> 7 A <sub>peak</sub> 15 A <sub>peak</sub>
AC Mains Power	
Power supply	Universal, regulated switch mode with PFC (Power Factor Correction)
Nominal power requirements	AC 100 V - 240 V, 50/60 Hz with PFC
Operating voltage	AC 90 V - 264 V
Consumption / current draw	@ 230 V      @ 115 V
Idle	35 W    0.8 A    30 W    0.6 A
1/8 of max power @ 4 Ω	750 W    3.9 A    740 W    6.6 A
1/4 of max power @ 4 Ω	1405 W    6.9 A    1400 W    12.4 A
Thermal	
Environmental operating temperature	0° - 45° C / 32° - 113° F
Thermal dissipation	Fan variable speed, temperature controlled front to rear airflow
	230 V      115 V
Idle	118 BTU/h    30 kcal/h    103 BTU/h    26 kcal/h
1/8 of max power @ 4 Ω	839 BTU/h    211 kcal/h    801 BTU/h    202 kcal/h
1/4 of max power @ 4 Ω	1340 BTU/h    338 kcal/h    1340 BTU/h    338 kcal/h
Audio	
Gain	32 dB
Frequency response	20 Hz - 20 kHz ( ±0.5 dB ) @ 1 W, 8 Ω
S/N ratio (amplifier section)	>107 dB (20 Hz - 20 kHz A weighted)
Noise floor	-70 dBV (20 Hz - 20 kHz, A weighted)
Crosstalk separation	> 65 dB @ 1 kHz (4 Ω)
Input sensitivity @ 8 Ω	1.2 V <sub>RMS</sub> / +3.8 dBu
Maximum input level	6 V <sub>RMS</sub> / +17.8dBu
Input impedance	10 kΩ balanced
THD+N / DIM100	< 0.08% (typically <0.05%) @ 8 Ω
Slew rate	50 V/μs @ 8 Ω, input filter bypassed
Damping factor	> 10000 @ 100 Hz (lo-Z)
Front Panel	
Indicators	7 multifunction LEDs per channel: 4 x green, 2 x yellow, 1 x red
Controls	Pushbutton enables 24 V DC at back PWS OUT connector (can also toggle LINE/AUX inputs). 8 output attenuators, energy save mode activation (per channel pair) DIP switch
Maintenance	Dust filter foam behind frontal silver colored panels
Rear Panel	
Controls	4 DIP switches for each channel (allows selection of 70 V/100 V modes, hi-Z/lo-Z modes, 35 Hz/70 Hz LPF, HPF on/off)
Input / Output connectors	4 x 12 pin Phoenix MC 1.5/12-ST-3.81 1803675 / 2 x 8 pin DFK-PC 4/8-G-7.62 1861219
Fault alarm connectors	2 x 12 pin Phoenix MC 1.5/12-ST-3.81 1803675
Aux command (triggering aux inputs) and aux voltage for remote on/off switching	4 pin Phoenix MC 1.5/4-ST-3.81 1803594
Aux front switch enabling and external 24 V DC (0.2 A) auxiliary supply	4 pin Phoenix MC 1.5/4-ST-3.81 1803594
AC mains	IEC C19/22.2.20 A, AC mains cord with 20 A 3-pin plug 20 A for US, IEC Schuko 16 A for every other nation
Construction	
Dimensions	W 483 mm / 19", H 89 mm / 3.5" / 2 RU, D 360 mm / 14.2"
Weight	14 kg / 30.8 lb

Data is subject to change without notice.  
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