

# 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

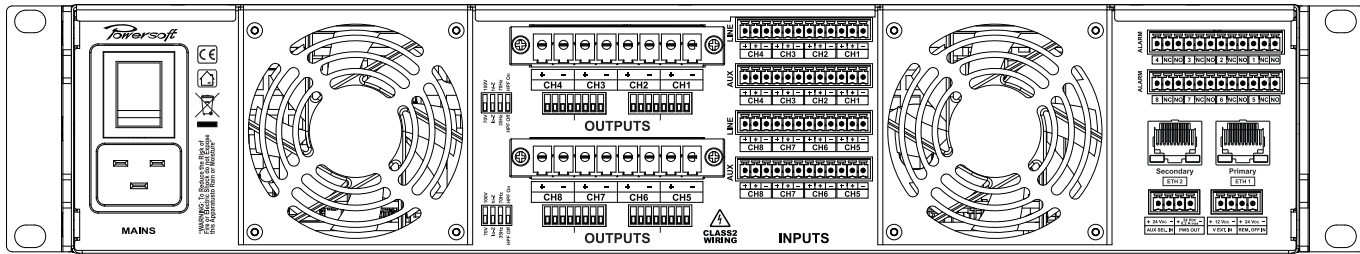
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### Specifications

| 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)     | >106 dB  |                                    |             |            |            |
| 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<br>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 <sub>peak</sub> | 90 V <sub>peak</sub> | 116.6 V <sub>peak</sub> |
| Maximum output current                             | 15 A <sub>peak</sub> | 23 A <sub>peak</sub> | 45 A <sub>peak</sub>    |

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)<br>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™   |

Data subject to change without notice.

