



# INSTALL LINE

*Powersoft*



# INSTALL-DEDICATED AMPLIFIER PLATFORMS.

## DESIGNED TO ALWAYS FIT IN.

Designed to always fit in, Powersoft's range of install-dedicated amplifier platforms caters to all system sizes.

Whether renewing an obsolete system or creating a new one, Powersoft's patented designs allow for flawless integration within existing structures, and for great value in long run saving strategies.

An extensive distributor and service network guarantees the support needed for such installations, whilst our Engineering Tools will make choosing the right Powersoft Amplifier Platform a breeze.



# GREEN AUDIO POWER

At Powersoft we take pride in our commitment to produce in a more sustainable way and in delivering more efficient products by exploiting the full potential of Class D amplification. The **PFC** technology grants extremely high efficiency values: our install line amplifier platforms transform all the energy drawn from the mains into usable power.

The **Smart Rail Management** recycles the reactive energy coming back from the loudspeakers. Without compromising sound quality, the implementation of this technologies enhances the listener's experience, whilst helping to preserve the beauty of our planet.

An aerial view of a large stadium, likely the Stade de Lyon, with a purple tint. The seating tiers are visible, and the pitch is in the foreground. The text 'OLYMPIQUE LYON NATION' is visible on the upper tiers.

# AUDIO NETWORK

Our high-performance amplifier platforms seamlessly integrate within networking environments.

Basic remote control is available in non DSP models through **ArmoníaPlus™**, whilst comprehensive remote control is available in DSP+D versions.

DPS+D versions are equipped with **Dante™** inputs, offering an even wider range of compatibility, monitoring and sound shaping capabilities. The whole line may be controlled by third party applications both in wired networks and through WiFi. Full flexibility in control is granted by **Operator View** via any remote device.





# SAFETY AND RELIABILITY

Our Install Line Amplifier Platforms can be trusted in the most demanding situations.

By exploiting the **GPI/O** port it is possible to implement our products in mission-critical applications, such as alarm systems.

Some safety features include:

- ✓ Redundant Power Supply (Ottocanali).
- ✓ Live Impedance Monitoring.
- ✓ Pilot tone Monitoring.
- ✓ 5 Independent Limiter types.
- ✓ Fold Back Audio Routing.
- ✓ Input and Output Monitoring.



# AUDIO QUALITY

Powersoft's renowned sound quality has its roots in the experience matured in more than 20 years of being at the forefront of the **Class D Revolution**.

Our refined DSP has outstanding digital sound processing capabilities allowing the engineer to tailor the sound to specific needs.

By recycling the otherwise wasted reactive energy gathered from the transducer and actively controlling the **Damping Factor**, our amplifier platform delivers crisp highs and rounded, full lows even at low levels.



## QUEEN ELIZABETH HALL, BELGIUM

### CHALLENGE

Design of speech and music system for concert hall and 10 congress venues.

### SOLUTION

6x **Ottocanali** Powersoft amplifier platforms with internal **DSP** and **Dante™** on board to drive the main speaker and monitor sets. Matrix and processing are all solved with the amplifiers, eliminating the need for external DSPs. Everything is configured with the ArmoníaPlus software.

### RESULT

A system with full remote control and local DSP assigned to Powersoft amplifiers. Full Dante™ audio distribution and audio Matrix on board of the amplifiers. A very capable set-up operated with a very user-friendly interface.





# DUECANALI SERIES

## 2-CHANNEL AMPLIFIER PLATFORM FOR INSTALLED SOUND REINFORCEMENT SYSTEMS.

The brand new Duecanali Series shines with outstandingly low power consumption and heat dissipation, with direct positive effects on investment. It is aimed at larger two-channel install applications and it is able to provide more than 16 different possible output configurations including Lo-Z, Hi-Z, bridge mode, and parallel mode.

### KEY FEATURES

- ✓ Universal Main, PFC, Smart Rails Management.
- ✓ GPI For external VCA volume control.
- ✓ DIP Switch for 70/100V – Low-Z Selection.
- ✓ Ethernet control for 3rd-Party Control Systems.
- ✓ Diagnostics GPO Alarms.
- ✓ Adjustable Gain (26–35 dB).
- ✓ Optional DSP + Dante™ versions.



### PRODUCT RANGE

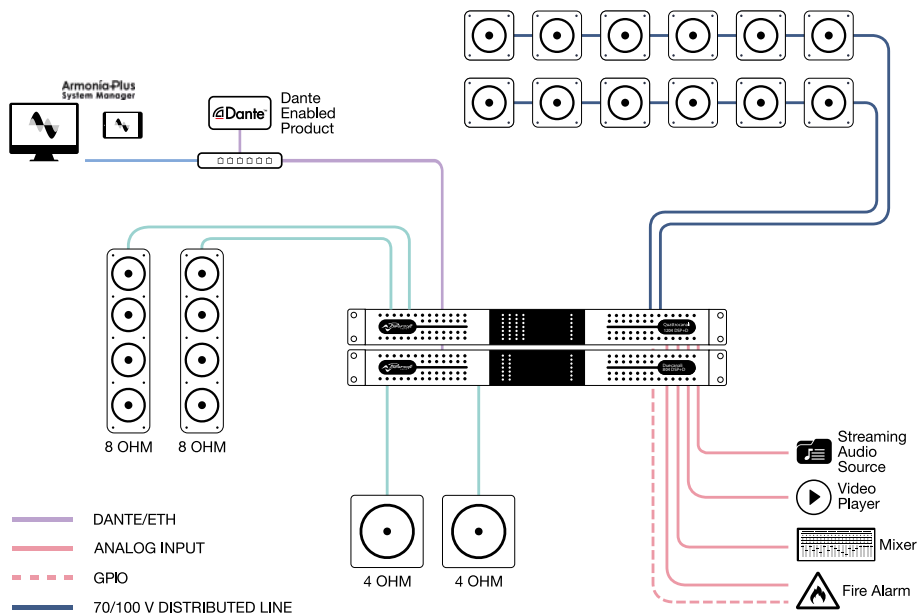
MODEL	2Ω	4Ω	8Ω	70/100 V
804	500 W	400 W	400 W	400 W
1604	1000 W	800 W	800 W	800 W
4804	3000 W	2400 W	1250 W	2400 W

# TAILORED CONFIGURATION

## COMBINED SOLUTIONS WITH 2-CHANNEL AND 4-CHANNEL AMPLIFIER PLATFORMS.

A system built around Dante™ enabled Duecanali and Quattrocanali Series amplifier platforms meets and exceeds all requirements in terms of flexibility, controllability, and scalability.

Any mixed output configuration is possible, allowing for multi-zone sound distribution, with the matrix function in ArmoniaPlus granting total control over each signal.



# QUATTROCANALI SERIES

## 4-CHANNEL AMPLIFIER PLATFORM CATERING TO ALL SMALL TO MEDIUM APPLICATIONS.

The Quattrocanali series is made up of three models: 4804, 2404, and 1204, and it addresses the requirements from small and medium applications where the channel count is limited but the need of a flexible product to work with Hi-Z and Lo-Z systems is a must. In just 1 RU, Quattrocanali offers smaller dimensions, lighter weight and the traditionally amazing sound quality and reliability of all Powersoft products.

### KEY FEATURES

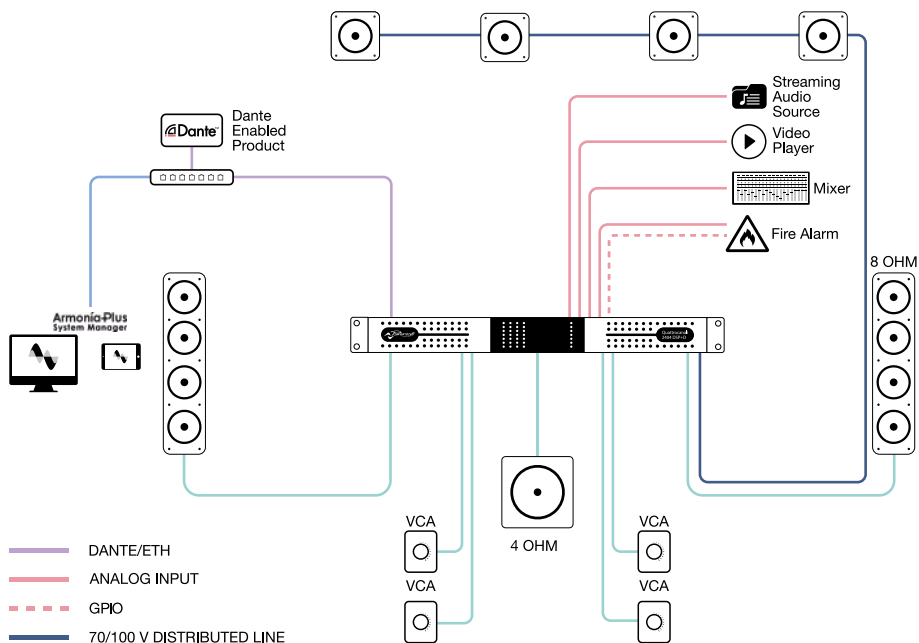
- ✓ Universal Main, PFC, Smart Rails Management.
- ✓ GPI For external VCA volume control.
- ✓ DIP Switch for 70/100V – Low-Z Selection.
- ✓ Ethernet control for 3rd-Party Control Systems.
- ✓ Diagnostics GPO Alarms.
- ✓ Adjustable Gain (26–35 dB).
- ✓ Optional DSP + Dante™ versions.



### PRODUCT RANGE

MODEL	2Ω	4Ω	8Ω	70/100 V
1204	400 W	300 W	300 W	300 W
2404	800 W	600 W	600 W	600 W
4804	1500 W	1200 W	1200 W	1200 W





## STANDARD VERSION

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4 GPI

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4 GPO

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ArmoníaPlus™

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Level Control & Mutes

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Groups

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## DSP+D

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4 GPI

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4 GPO

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ArmoníaPlus™

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Level Control & Mutes

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Groups

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Full DSP Functions Included

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Dante™ Integration



## DINOSAURS IN THE WILD

### CHALLENGE

Creating a dependable installation capable of delivering a truly immersible experience.

### SOLUTION

35 **Quattrocanali 1204 DSP+D** amplifiers integrated within a Dante™ Network.

### RESULT

An extremely complex yet believable 3d sound experience featuring outstanding levels of detail.



# OTTOCANALI SERIES

## 8-CHANNEL POWER AMPLIFIERS FOR MISSION CRITICAL APPLICATIONS.

The Ottocanali is a flexible and reliable 8-channel power amplifier with up to a total of 12,000 W at 4Ω, ideal for multi-zone applications in medium to large-scale installations: 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.

### KEY FEATURES

- ✓ Universal switch mode power supply up to 400VAC tolerant with PFC.
- ✓ Fully protected circuit design.
- ✓ Standard Phoenix connectors: analog inputs, audio outputs, aux supply, alarms and GPIO.
- ✓ Remotely switchable inputs (main and aux).
- ✓ Optional DSP+Dante™ version.



Armonia-Plus  
System Manager



### PRODUCT RANGE

MODEL	2Ω	4Ω	8Ω	70/100 V
12K4	1000 W	1500 W	850 W	1500 W
8K4	850 W	1000 W	600 W	1000 W
4K4	450 W	500 W	250 W	500 W



# OTTOCANALI 1204 SERIES

## 8-CHANNEL POWER AMPLIFIER FOR LO-Z AND HI-Z TRANSDUCERS.

The Ottocanali 1204 offers unprecedented versatility and efficiency, also thanks to its very own set of BatFormers®. These are specifically developed, optional plug-in output transformers that can be easily installed through a dedicated lid in the amplifier chassis, and that allows the conversion of any – or all – of the 8 channels into a 70V or 100V constant voltage output.

### KEY FEATURES

- ✓ Universal switch mode power supply up to 400VAC tolerant with PFC.
- ✓ Fully protected circuit design.
- ✓ Light weight – for easier packing and shipping: 5–11 kg (11–24.3 lbs) depending on number of BatFormers.
- ✓ Standard Phoenix connectors: analog inputs, audio outputs, aux supply, alarms and GPIO.
- ✓ Remotely switchable inputs (main and aux).
- ✓ Optional BatFormer™ plug-in output transformers for 70V/100V installations.
- ✓ Optional DSP+ETH version.

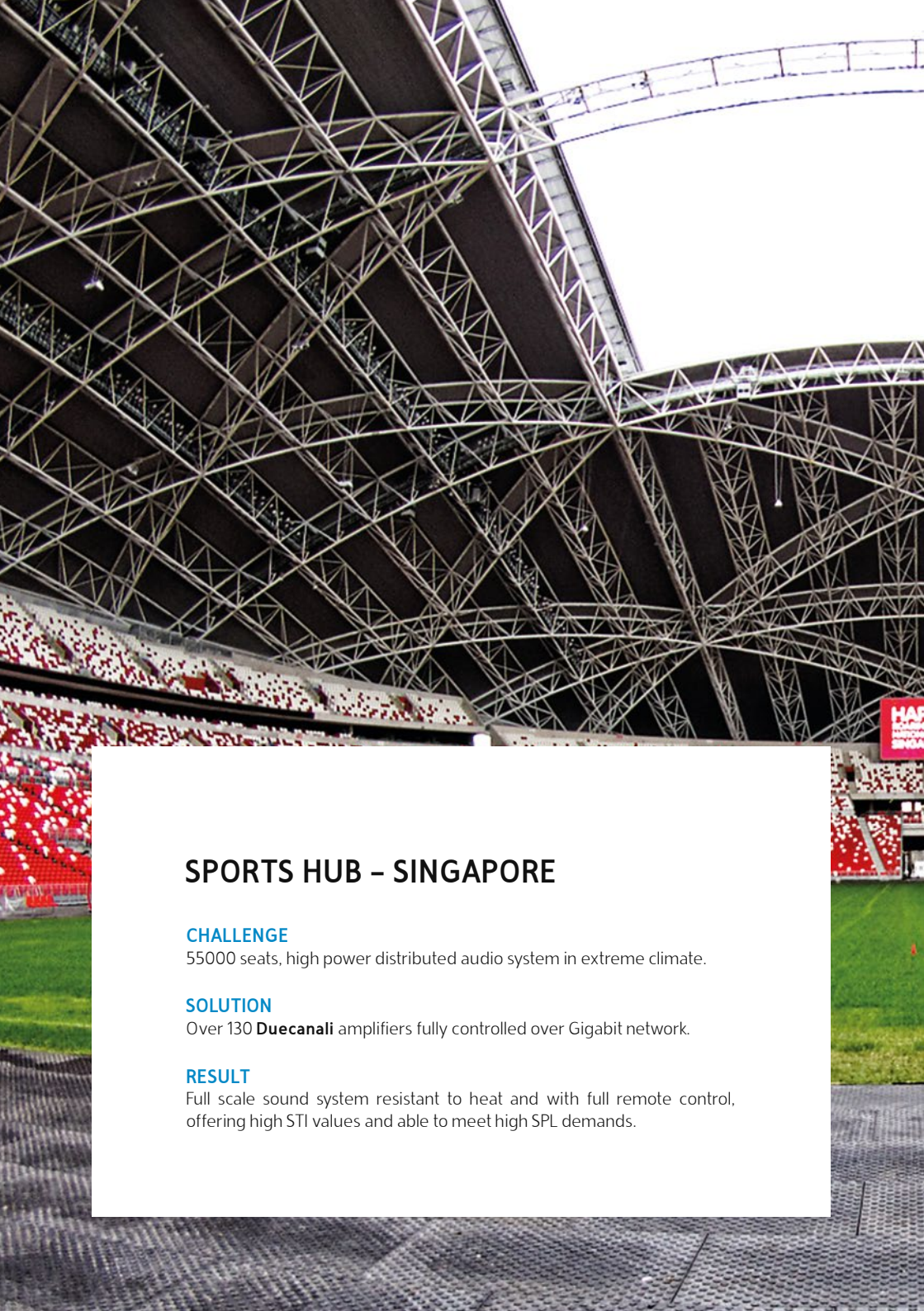


**Armonía-Plus**  
System Manager



### PRODUCT RANGE

MODEL	4Ω	8Ω	70 V	100 V
1204	150 W	80 W	125 W	130 W



## SPORTS HUB – SINGAPORE

### CHALLENGE

55000 seats, high power distributed audio system in extreme climate.

### SOLUTION

Over 130 **Duecanali** amplifiers fully controlled over Gigabit network.

### RESULT

Full scale sound system resistant to heat and with full remote control, offering high STI values and able to meet high SPL demands.





# ArmoníaPlus System Manager

## REMOTE CONTROL AND MONITORING OF THE FULL RANGE OF POWERSOFT PRODUCTS.

Setting up and managing complex sound systems easily through a highly intuitive user interface has become more than a popular demand – it's reality.

ArmoníaPlus has raised the bar by offering an intuitive interface for parameters adjustment, a comprehensive control over the digital audio processing and complete real-time monitoring of the system's performances, making your system safer and better sounding, especially in combination with Powersoft DSP technology.

With ArmoníaPlus, audio engineers have new and unique tools to significantly improve sonic performance and system reliability.

### KEY FEATURES

- ✓ ArmoníaPlus works with the full range of Powersoft products.
- ✓ ArmoníaPlus provides total system and sound control in real-time.
- ✓ Improved EQ visualization with automatic frequency-reordered filters.
- ✓ Output EQs, delays, and a highly sophisticated group limiters.
- ✓ Input EQ in three layers with hundreds of filters for individual tuning.
- ✓ Ultimate protection: RMS, Peak, Click, True Power, and Current..
- ✓ Access Manager allows three access levels.
- ✓ Complete integration with FIR Maker (FIR custom filters).
- ✓ Fully integrated with Rational Acoustic Smaart v8.
- ✓ Supported languages: English, Italian, Spanish, Portuguese, Chinese, and Japanese.



## INTERACTIVE TUNING

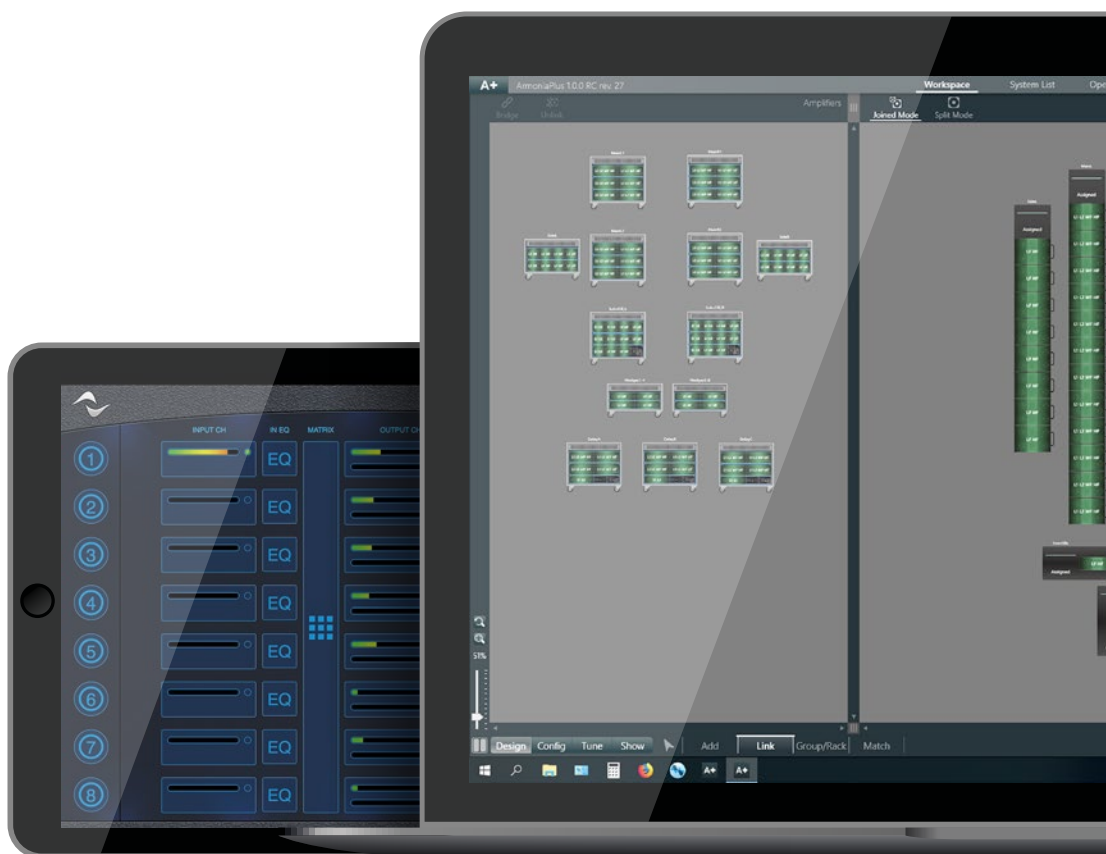
ArmoníaPlus is now fully integrated with Rational Acoustic Smaart v8, able to read real-time, imported, or shared location traces. Tuning a system has never been so fast and easy.

## OPERATOR VIEW






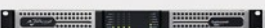




Used in conjunction with the Access Manager, the Operator View enables the system administrator to tailor access credentials and limit functionality.

## WEBAPP

The Webapp makes our install dedicated amplifier platforms remotely accessible and operable.



# TECHNICAL SPECIFICATIONS CHART

		POWER @ 2Ω	POWER @ 4Ω	POWER @ 8Ω	BRIDGED @ 4Ω	BRIDGED @ 8Ω	70 V
804		2 x 500 W	2 x 400 W	2 x 400 W	1 x 1000 W	1 x 800 W	2 x 400 W
1604		2 x 1000 W	2 x 800 W	2 x 800 W	1 x 2000 W	1 x 1600 W	2 x 800 W
4804		2 x 3000 W	2 x 2400 W	2 x 1250 W	1 x 6000 W	1 x 4800 W	2 x 2400 W
1204		4 x 400 W	4 x 300 W	4 x 300 W	2 x 800 W	2 x 600 W	4 x 300 W
2404		4 x 800 W	4 x 600 W	4 x 600 W	2 x 1600 W	2 x 1200 W	4 x 600 W
4804		4 x 1500 W	4 x 1200 W	4 x 1200 W	2 x 3000 W	2 x 2400 W	4 x 1200 W
4K4		8 x 450 W	8 x 500 W	8 x 250 W	4 x 900 W	4 x 1000 W	8 x 500 W
8K4		8 x 850 W	8 x 1000 W	8 x 600 W	4 x 1700 W	4 x 2000 W	8 x 1000 W
12K4		8 x 1000 W	8 x 1500 W	8 x 850 W	4 x 2200 W	4 x 3000 W	8 x 1500 W
1204		--	8 x 150 W	8 x 80 W	--	4 x 300 W	8 x 125 W**

\*1/8 of max output power @ 4Ω

\*\* Requires the use of the BatFormers™

100 V	MAX OUTPUT VOLTAGE @ LO-Z	MAX OUTPUT CURRENT @ LO-Z	CURRENT DRAW*		IDLE POWER		THERMAL DISSIPATION*	S/N RATIO	DSP+DANTE™ OPTION AVAILABLE
115 V	230 V	STD	DSP+D						
2 x 400 W	80 V <sub>PEAK</sub>	39 A <sub>PEAK</sub>	1.4 A	0.9 A	24.7 W	23 W	161 BTU/h	> 106 dBA	Yes
2 x 800 W	115 V <sub>PEAK</sub>	45 A <sub>PEAK</sub>	2.5 A	1.5 A	25.5 W	23 W	251 BTU/h	> 109 dBA	Yes
2 x 2400 W	142 V <sub>PEAK</sub>	80 A <sub>PEAK</sub>	7.0 A	3.9 A	31.1 W	32.5 W	528 BTU/h	> 111 dBA	Yes
4 x 300 W	70 V <sub>PEAK</sub>	33 A <sub>PEAK</sub>	2.7 A	1.6 A	31.6 W	32.8 W	348 BTU/h	> 104 dBA	Yes
4 x 600 W	100 V <sub>PEAK</sub>	45 A <sub>PEAK</sub>	4.2 A	2.4 A	31.6 W	31.8 W	471 BTU/h	> 108 dBA	Yes
4 x 1200 W	139 V <sub>PEAK</sub>	45 A <sub>PEAK</sub>	9.1 A	5.0 A	32.4 W	33.7 W	768 BTU/h	> 110 dBA	Yes
8 x 500 W	65 V <sub>PEAK</sub>	15 A <sub>PEAK</sub>	6.6 A	3.9 A	50 W	77 W	839 BTU/h	> 107 dBA	Yes
8 x 1000 W	90 V <sub>PEAK</sub>	23 A <sub>PEAK</sub>	12.6 A	6.6 A	50 W	77 W	1504 BTU/h	> 107 dBA	Yes
8 x 1500 W	150 V <sub>PEAK</sub>	54 A <sub>PEAK</sub>	18.5 A	9.7 A	50 W	77 W	2141 BTU/h	> 109 dBA	Yes
8 x 130 W**	38 V <sub>PEAK</sub>	15 A <sub>PEAK</sub>	1.9 A	1.2 A	15.6 W	21.2 W**	252 BTU/h	> 105 dBA	No

DUECANALI

QUATTROCANALI

OTTOCANALI

Data subject to change without notice.



DRIVING HUMAN AUDIO EXPERIENCE

**POWERSOFT S.P.A.**

Via E. Conti, 5 – Scandicci (FI) 50018 – Italy

✉ [powersoft@pec.it](mailto:powersoft@pec.it)

☎ +39 055 73 50 230

☎ +39 055 73 56 235

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