![Powersoft Audio logo]

INSTALL LINE

INSTALL-DEDICATED AMPLIFIER PLATFORM.
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.

OUR STRENGTHS, END-USER BENEFITS.

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 these technologies enhances the listener's experience, whilst helping to preserve the beauty of our planet.

AUDIO NETWORK

Our high-performance amplifier platforms **seamlessly integrate** within networking environments.
Basic remote control is available in non DSP models through Armonìa, whilst comprehensive remote control is available in DSP+D models.
DSP+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 Wi-Fi. Full flexibility in control is granted through the **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 installer 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 8-Channel Powersoft amplifier platforms with internal DSP and Dante™ on board to drive the main speaker and monitor sets. Matrix and processing is all solved with the amplifiers, eliminating the need for external DSPs. Everything is configured with the Armonia 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

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 allow 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 and digital input, audio outputs, aux supply, alarms and GPIO
- Remotely switchable inputs (main and aux) per channel
- Optional BatFormer™ plug-in output transformers for 70/100V installations
- Optional DSP + ETH version

PRODUCT RANGE

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

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

- Redundant universal switch mode power supply up to 400VAC tolerant with PFC
- Direct drive either low impedance loads or 70V / 100V Hi-Z distributed lines
- Light weight - for easier packing and shipping: 14 kg / 30.8 lbs
- Standard Phoenix connectors: analog and digital input, audio outputs, aux supply, alarms and GPIO
- Remotely switchable double input (main and aux) per channel
- Optional DSP + Dante™ versions

Model	2 Ω	4 Ω	8 Ω	70/100 V
12K4	1100 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

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.
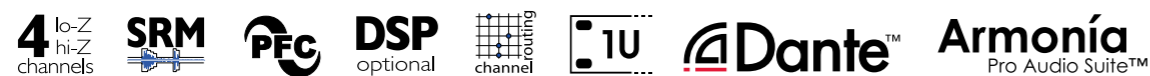
KEY FEATURES

- Universal Main, PFC, Smart Rails Management
- GPI For external VCA volume control
- DIP Swistch 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	2 Ω	4 Ω	8 Ω	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

QUATTROCANALI SERIES
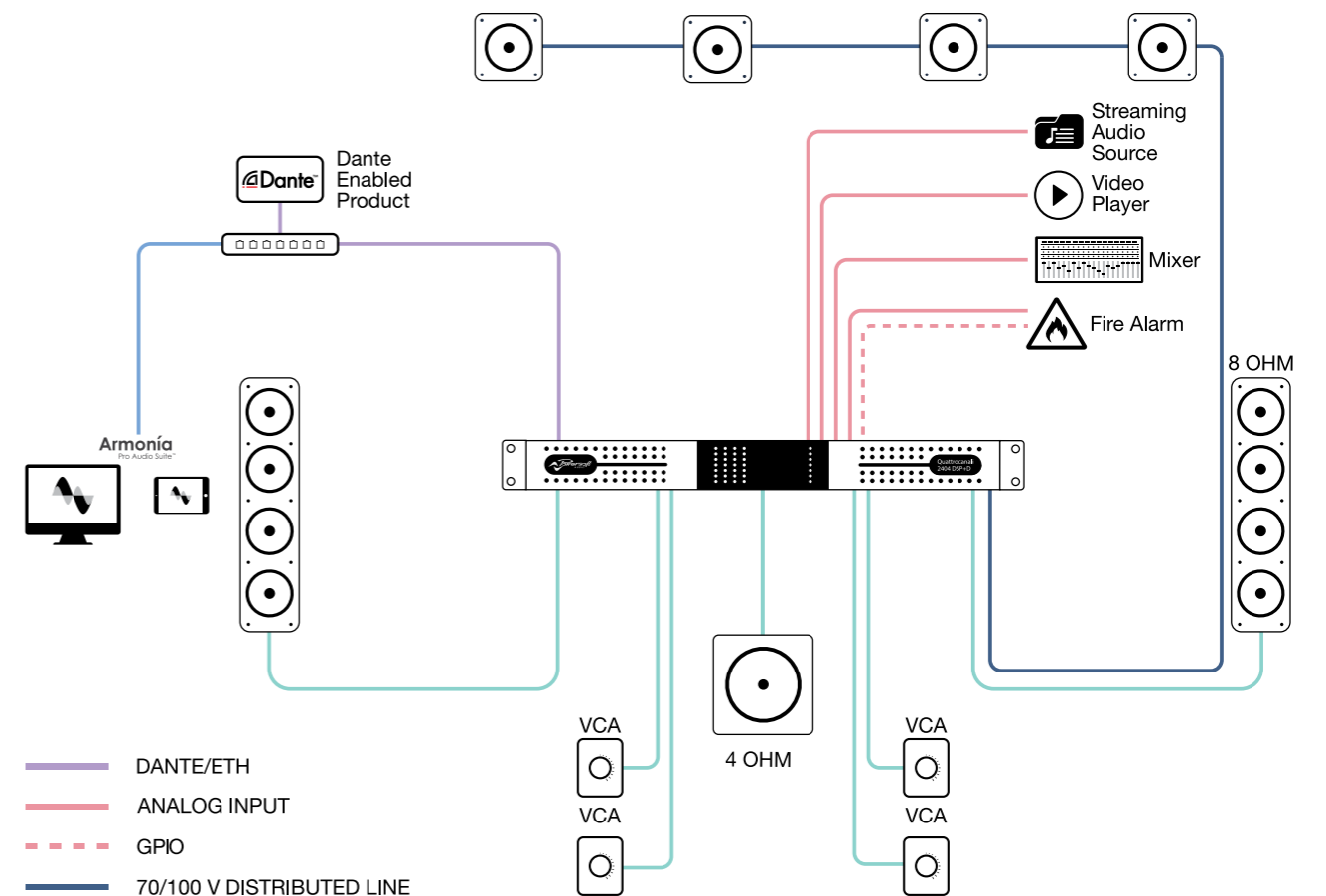
Line	
——	DANTE/ETH
——	ANALOG INPUT
- - -	GPIO
——	70/100 V DISTRIBUTED LINE

STANDARD VERSION	DSP+D
4 GPI	4 GPI
4 GPO	4 GPO
Armonia Pro Audio Suite™	Armonia Pro Audio Suite™
Level Control & Mutes	Level Control & Mutes
Groups	Groups
	Full DSP Functions Included
	Dante™ Integration

DUECANALI SERIES

RELIABLE ENERGY SAVING DESIGN IN A COMPACT 1U RACK SPACE.

The Duecanali 5204 and the Duecanali 3904 stem from an efficient and reliable energy saving design in a compact 1U rack space, while still maintaining high-output wattage and crystal clear audio. The design offers 40% to 60% savings on operating costs over traditional amplifiers of the same power rating.

KEY FEATURES

- Fixed frequency switchmode output stage for high grade sound accuracy
- Space and weight saving: only one rack space (1U) and 12 kg/26.5 lb
- Standard Phoenix connectors: analog and digital input, audio outputs, aux supply, alarms and GPIO
- Excellent sonic quality by design, including amp clip limiters and patented ripple cancellation network
- Directly driving either low impedance loads or 70 V/100 V lines
- Optional DSP + ETH versions

PRODUCT RANGE

Model	4 Ω	8 Ω	70 V	100 V
5204	2600 W	1400 W	1800 W	2400 W
3904	1950 W	1000 W	1800 W	2400 W

DUECANALI 1604 SERIES

2-CHANNEL AMPLIFIER PLATFORM FOR INSTALLED SOUND REINFORCEMENT SYSTEMS.

The brand new Duecanali 1604 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.
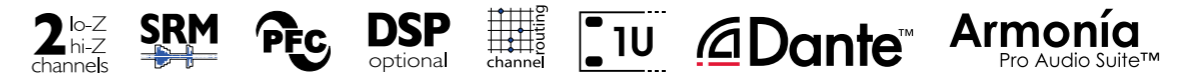
KEY FEATURES

- 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™ version

PRODUCT RANGE

Model	2 Ω	4 Ω	8 Ω	70/100 V
1604	1000W	800W	800W	800W

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

ARMONÌA
PRO AUDIO SUITE

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 is reality. Armonía Pro Audio Suite has raised the bar by offering a number of unique features making your system safer and better sounding, especially in combination with Powersoft DSP technology.

With Armonía, system designers and operators have new and unique tools to significantly improve sonic performance and system reliability.

KEY FEATURES

- Armonía works with the full range of Powersoft products.
- Armonía provides total system and sound control in real-time
- Output EQs, delays, and a highly sophisticated group of limiters.
- Input EQ in three layers with hundreds of filters for individual tuning.
- Ultimate protection: Peak, Clip and TruePower limiters plus RMS and Current
- Access Manager allows four access levels.
- Complete integration with FIR Maker (FIR custom filters).
- Supported languages: English, German, Spanish, French, Italian, Polish, Russian and Chinese

TYPICAL ARMONÌA SETUP

Armonìa's interface is highly customizable, granting user friendliness and flexibility in all install applications.
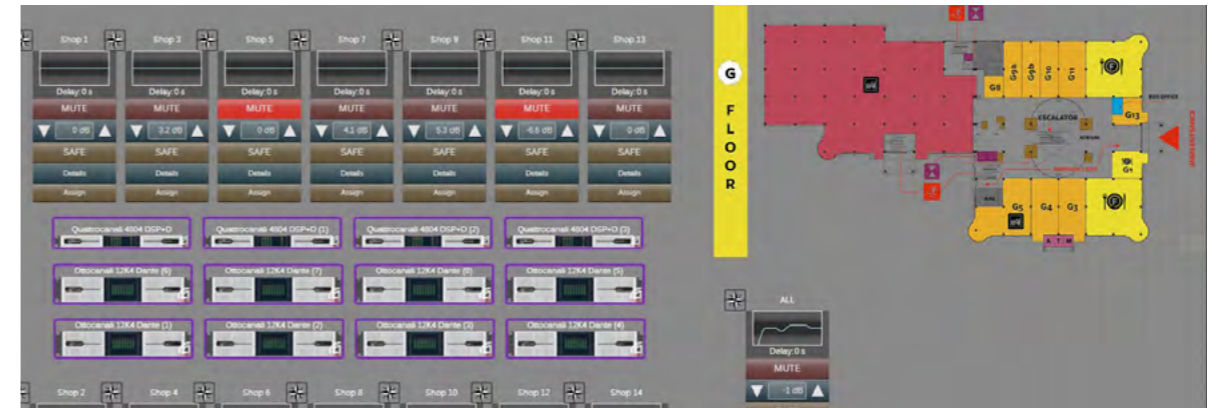
OPERATOR VIEW

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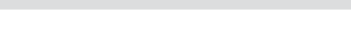

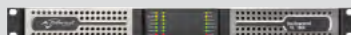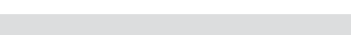## WEBAPP

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	100 V	Max Output Voltage @ LO-Z	Max Output Current @ LO-Z	Current Draw* 115 V	230 V	Idle Power STD	DSP+D	Thermal Dissipation*	S/N Ratio	Dante™ Option Avalaible
OTTOCANALI	1204	-	8 x 150 W	8 x 80 W	-	4 x 300 W	8 x 125 W**	8 x 130 W**	38 V$_{peak}$	15 A$_{peak}$	1.9 A	1.2 A	15.6 W	21.2 W	252 BTU/h	> 105 dBA	No
	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	8 x 500 W	65 V$_{peak}$	15 A$_{peak}$	6.6 A	3.9 A	50 W	77 W	839 BTU/h	> 107 dBA	Yes
	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	8 x 1000 W	90 V$_{peak}$	23 A$_{peak}$	12.6 A	6.6 A	50 W	77 W	1504 BTU/h	> 107 dBA	Yes
	12K4	8 x 1100 W	8 x 1500 W	8 x 850 W	4 x 2200 W	4 x 3000 W	8 x 1500 W	8 x 1500 W	150 V$_{peak}$	54 A$_{peak}$	18.5 A	9.7 A	50 W	77 W	2141 BTU/h	> 109 dBA	Yes
QUATTROCANALI	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	4 x 300 W	70 V$_{peak}$	33 A$_{peak}$	2.7 A	1.6 A	31.6 W	32.8 W	348 BTU/h	> 104 dBA	Yes
	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	4 x 600 W	100 V$_{peak}$	45 A$_{peak}$	4.2 A	2.4 A	31.6 W	31.8 W	471 BTU/h	> 108 dBA	Yes
	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	4 x 1200 W	139 V$_{peak}$	45 A$_{peak}$	9.1 A	5.0 A	32.4 W	33.7 W	768 BTU/h	> 110 dBA	Yes
DUECANALI	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	2 x 800 W	115 V$_{peak}$	45 A$_{peak}$	2.7 A	1.7 A	23.1 W	24 W	291 BTU/h	> 109 dBA	Yes
	3904	2 x 2400 W	2 x 1950 W	2 x 1000 W	1 x 4800 W	1 x 3900 W	2 x 1800 W	2 x 2400 W	140 V$_{peak}$	102 A$_{peak}$	6.3 A	3.1 A	75 W	88 W	722 BTU/h	>110 dBA	No
	5204	2 x 2800 W	2 x 2600 W	2 x 1600 W	1 x 5600 W	1 x 5200 W	2 x 1800 W	2 x 2400 W	165 V$_{peak}$	165 A$_{peak}$	8.0 A	4.0 A	75 W	88 W	836 BTU/h	>110 dBA	No

*1/8 of max output power @ 4Ω

** Requires the use of the BatFormers™

Data subject to change without notice.