



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.

AUDIO NETWORK

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

Basic remote control is available in non DSP models through **ArmoniaPlus™**, 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

AUDIO QUALITY

Picture by Worho Frank Lee

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.

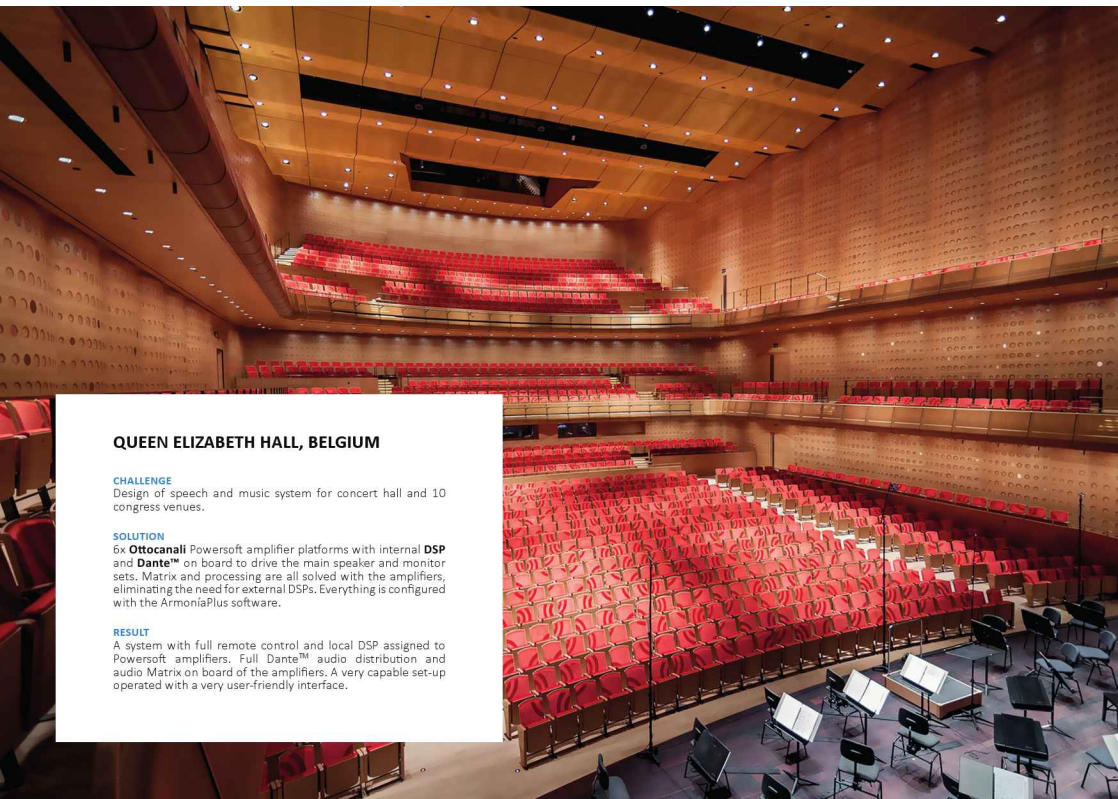
Some safety features include:

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

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 ArmoniaPlus 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.



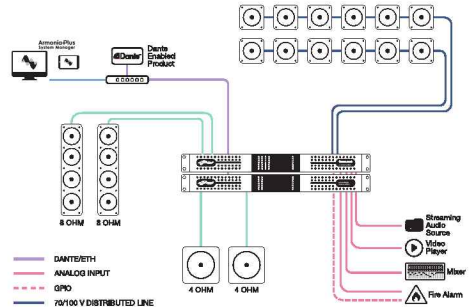
PRODUCT RANGE

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.



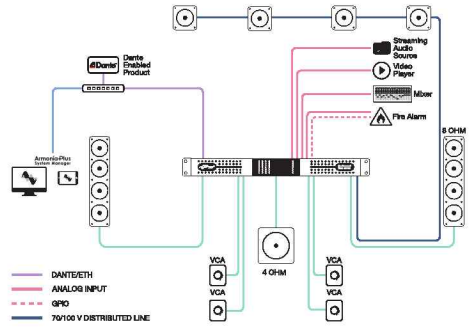
QUATTROCANALI SERIES

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

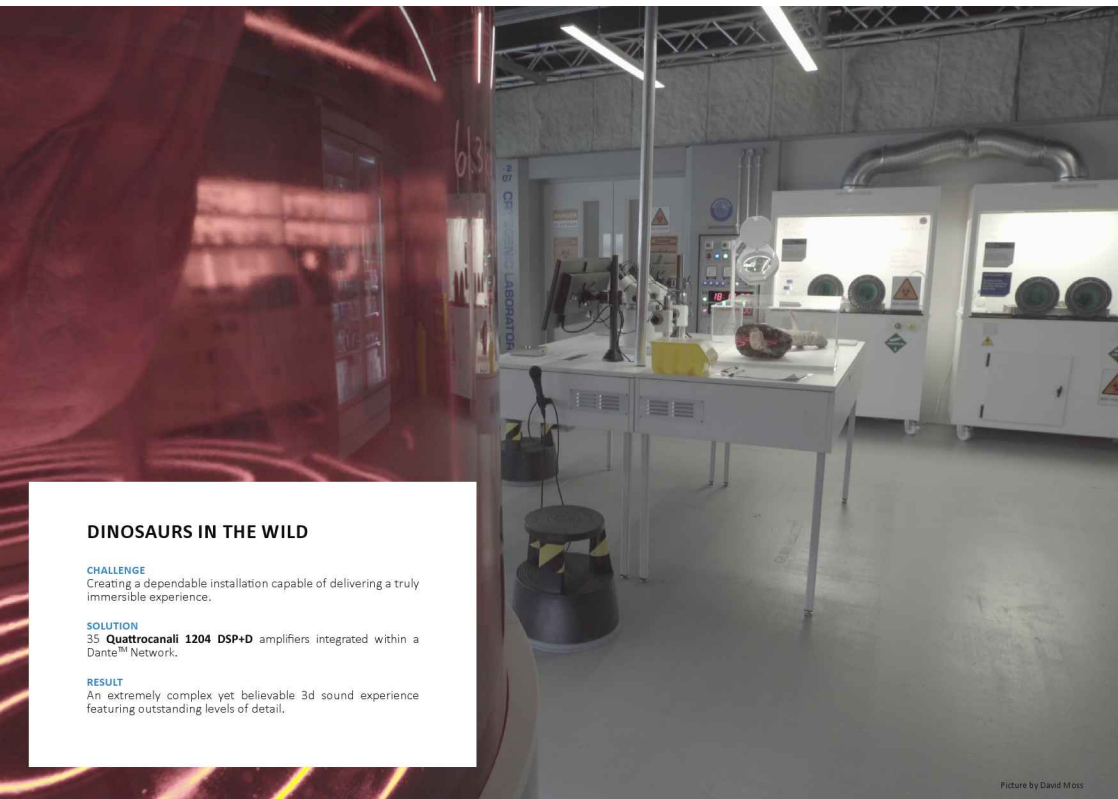
MODEL	20	40	80	70/100 V
1204	400 W	300 W	300 W	300 W
2404	800 W	600 W	600 W	600 W
4804	1500 W	1200 W	1200 W	1200 W

STANDARD VERSION

4 GPI
4 GPO
ArmoniaPlus™
Level Control & Mutes
Groups

DSP+D

4 GPI
4 GPO
ArmoniaPlus™
Level Control & Mutes
Groups
Full DSP Functions Included
Dante™ Integration



DINOSAURS IN THE WILD

CHALLENGE

Creating a dependable installation capable of delivering a truly immersive 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.

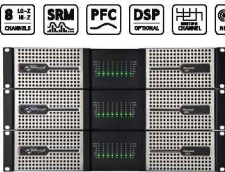
OTTOCANALI SERIES

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

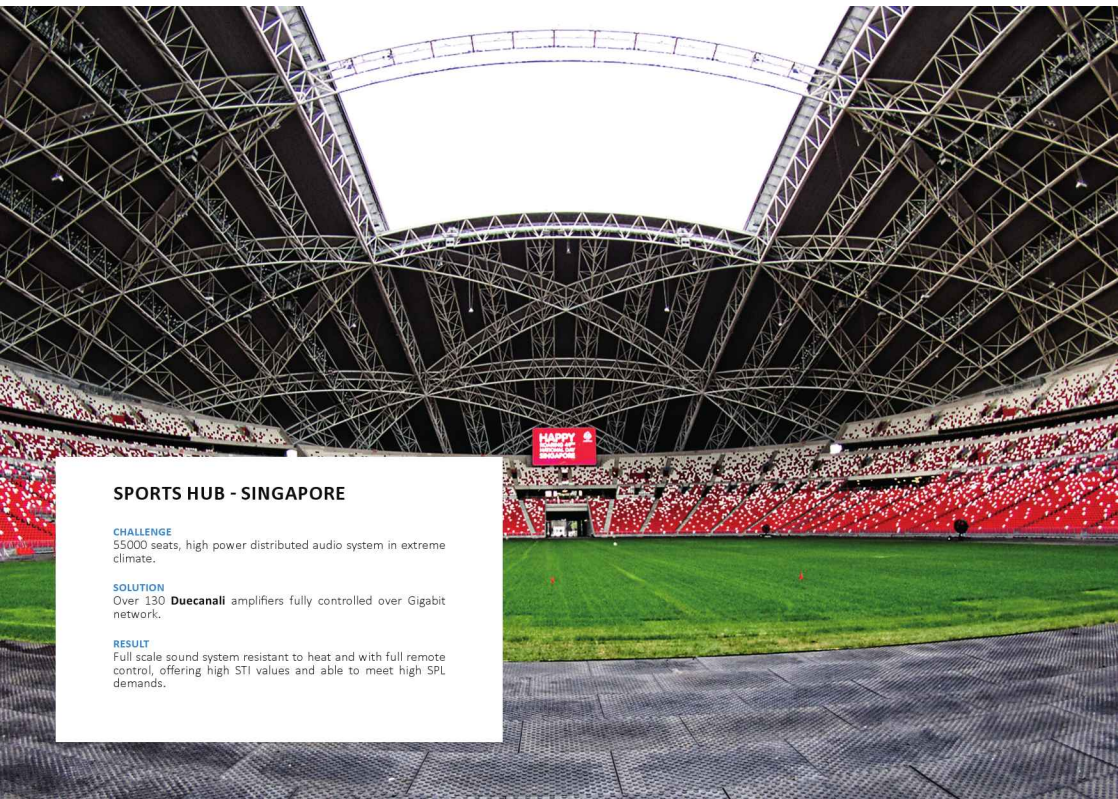
- Universal switch mode power supply up to 400VAC tolerant with PFC.
- Fully protected circuit design.
- Light weight: 5-11 kg (11-24.3 lbs) depending on number of BatFormers.
- Standard Phoenix connectors: analog inputs, audio outputs, aux supply, alarms and GPIO.
- Remotely switchable inputs (main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



**Armonia-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.

ArmoniaPlus 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

ArmoniaPlus 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 @ 20	POWER @ 40	POWER @ 80	BRIDGED @ 40	BRIDGED @ 80	70 V	100 V	MAX OUTPUT VOLTAGE @ LO-Z	MAX OUTPUT CURRENT @ LO-Z	CURRENT DRAW* 115 V	230 V	IDLE POWER STD	DISP-D	THERMAL DISSIPATION**	S/N RATIO	DISP-DANTE™ OPTION AVAILABLE		
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	2 x 400 W	80 V _{PKAK}	39 A _{PKAK}	1.4 A	0.9 A	24.7 W	23 W	161 BTU/h	> 106 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 _{PKAK}	45 A _{PKAK}	2.5 A	1.5 A	25.5 W	23 W	251 BTU/h	> 109 dBA	Yes	
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	2 x 2400 W	142 V _{PKAK}	80 A _{PKAK}	7.0 A	3.9 A	31.1 W	32.5 W	528 BTU/h	> 111 dBA	Yes	
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 _{PKAK}	33 A _{PKAK}	2.7 A	1.6 A	31.6 W	32.8 W	348 BTU/h	> 104 dBA	Yes	QUATTROCANALI
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 _{PKAK}	45 A _{PKAK}	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 _{PKAK}	45 A _{PKAK}	9.1 A	5.0 A	32.4 W	33.7 W	768 BTU/h	> 110 dBA	Yes	QUATTROCANALI
4K4		8 x 450 W	8 x 300 W	8 x 250 W	4 x 900 W	4 x 1000 W	8 x 500 W	8 x 500 W	65 V _{PKAK}	15 A _{PKAK}	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 _{PKAK}	23 A _{PKAK}	12.6 A	6.6 A	50 W	77 W	1504 BTU/h	> 107 dBA	Yes	OTTOCANALI
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	8 x 1500 W	150 V _{PKAK}	54 A _{PKAK}	18.5 A	9.7 A	50 W	77 W	2141 BTU/h	> 109 dBA	Yes	
1204		--	8 x 150 W	8 x 80 W	--	4 x 300 W	8 x 125 W**	8 x 130 W***	38 V _{PKAK}	15 A _{PKAK}	1.9 A	1.2 A	15.6 W	21.2 W**	212 BTU/h	> 105 dBA	No	

*1/8 of max output power @ 4Ω
 **Requires the use of the BalFormers™

Data subject to change without notice.

TOURING LINE



TOURING AMPLIFIER PLATFORMS

OPEN SYSTEM, OPEN MINDED.

Great sound, reliability, and power density are of paramount importance when on tour. This is why leading tour companies opt for Powersoft amplification. Small in size and light in weight, Powersoft amplifiers are easy to haul around, yet their efficiency enables amazing amount of reliable and great sounding power. No matter if it's for stadium shows or club gigs.

Choose from a wide range of models with: 2, 4 and 8 channels; state of the art DSP and networking options; and many more useful features on the road.

Powersoft DSP technology has been optimized to be controlled by **ArmoniaPlus™**, furtherly reducing the need of outboard gear.

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 touring 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 technology 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 **ArmoniaPlus™**, whilst comprehensive remote control is available in DSP enabled models.

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.

SAFETY AND RELIABILITY

Our Touring Line Amplifier Platforms can be trusted in the most demanding situations. Some safety features included:

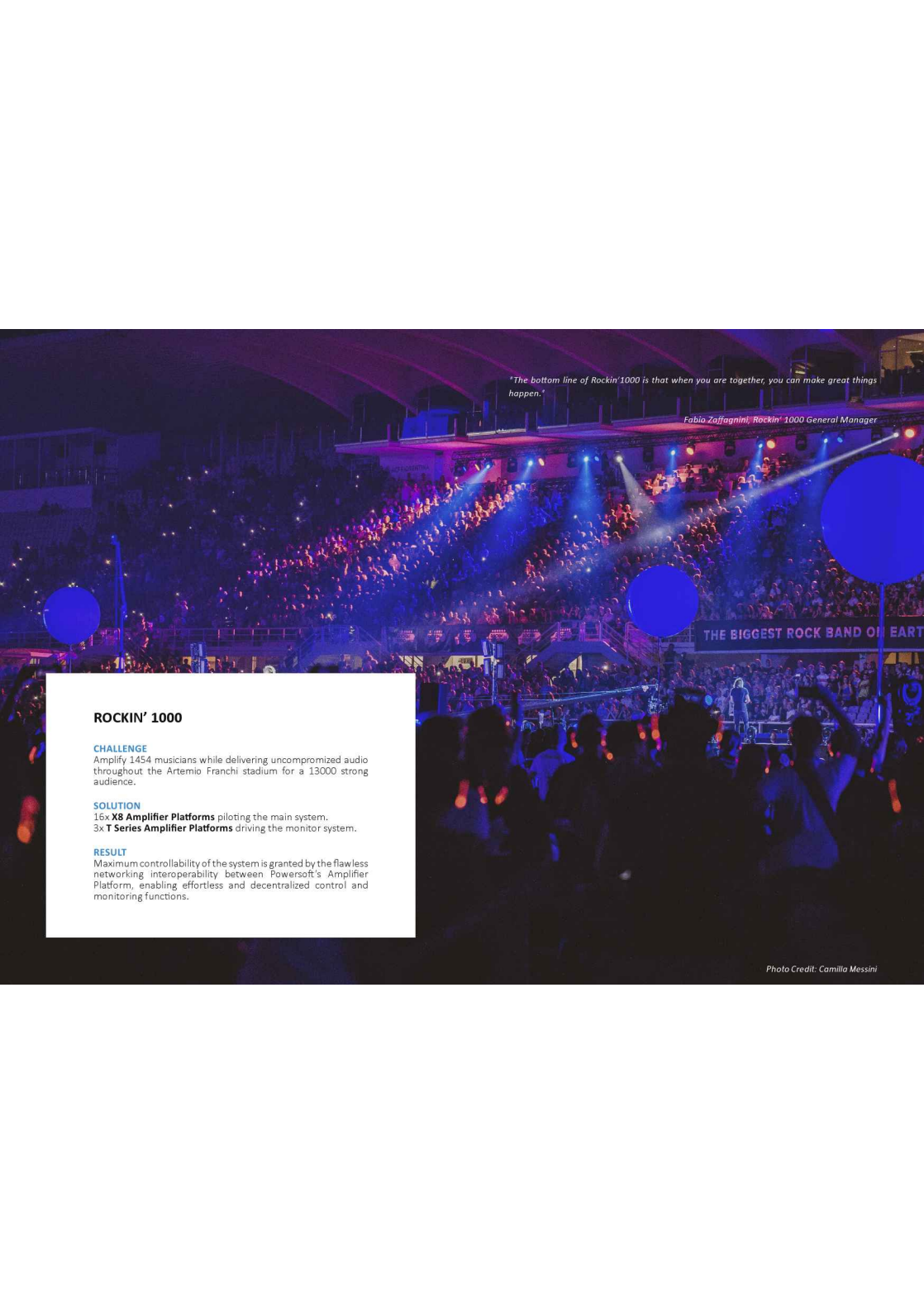
- Live impedance monitoring
- Pilot tone monitoring
- 5 independent limiter types
- Fold back audio routing
- Input & output monitoring

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**.

The 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.



"The bottom line of Rockin'1000 is that when you are together, you can make great things happen."

Fabio Zaffagnini, Rockin' 1000 General Manager

ROCKIN' 1000

CHALLENGE

Amplify 1454 musicians while delivering uncompromized audio throughout the Artemio Franchi stadium for a 13000 strong audience.

SOLUTION

16x **X8 Amplifier Platforms** piloting the main system.
3x **T Series Amplifier Platforms** driving the monitor system.

RESULT

Maximum controllability of the system is granted by the flawless networking interoperability between Powersoft's Amplifier Platform, enabling effortless and decentralized control and monitoring functions.

Photo Credit: Camilla Messina

X SERIES

X4L

THE POWER TO MAKE IT LOUD THE BRAINS TO MAKE IT GOOD

The X4L has been designed to deliver the output voltage required by the latest generation of high performance loudspeakers.

Equally useful for subwoofers as well as high-power fullrange systems; the X4L suits any configuration and purpose. Ultimately flexible and safe, Powersoft's legendary power supply is suitable to Single Phase, Bi-Phase or Three Phase operation from 85 VAC up to 460 VAC without need of selection.

Completely integrated into ArmoniaPlus™, the X4L interface is also available for smartphone and tablet, providing a new experience in power management.

The X4L impresses with the highest output voltage as well as the highest output current. This allows it to drive the most demanding loudspeaker applications that we know of.

KEY FEATURES

- 5 Speaker Connectors allow multiple configurations without the need for adapter cables.
- Suitable for Single Phase, Bi Phase, Three Phase operation from 85 VAC up to 440 VAC.
- Low Inrush Limiting reduces AC inrush current, removing the need for power sequencers.
- Harmful signal grouping for speaker routing.
- Hardware monitoring available for fast local diagnostic.
- Input delay up to 2 s and output delay up to 100 ms for time alignment per channel.
- Active DampingControl™ for cable compensation.
- Compact size and high power density.
- Fully protected circuit design.
- 6th generation fixed frequency switchmode output stage for high grade sound accuracy.
- AES3 digital inputs.
- Two Dante™ streams.
- TI C6000 DSP platform architecture.
- Power limiter (RMS, Peak, Clip, TruePower™, and Current).
- WiFi remote management via smartphone and tablet.

VERSIONS

- Standard: Ethernet for control and full DSP functionality.
- Option : Adds Dante™ with redundant 1000Base-T ports.



PRODUCT RANGE

MODEL	2Ω	4Ω	8Ω
X4L	8200 W	6800 W	4800 W



Armonia-Plus
System Manager

X SERIES

X4
X8

THE PINNACLE OF POWERSOFT'S KNOWHOW IN AMPLIFIER PLATFORM DESIGN.

The X Series is no longer simply a power amplifier but a complete loudspeaker management system, including all signal processing functions.

It innovates and evolves the concept of the amplification platform through the integration of a worldwide compatible three-phase powerbox, routing matrix, and a full feature DSP insidethe amplifier.

Depending on the application, the X Series amplifier platform is also available with redundant Brooklyn II based Dante™ solution digital streams. It natively supports AES3, and traditional analogue inputs, providing up to four different selectable input sources per channel.

Full ArmoniaPlus™ integration and WiFi connection for remote control and monitoring on mobile devices through the dedicated webapp.

KEY FEATURES

- Suitable for Single Phase, Bi Phase, Three Phase operation from 85 VAC up to 440 VAC.
- Low Inrush Limiting reduces AC inrush current, removing the need for power sequencers.
- Harmful signal grouping for speaker routing.
- Hardware monitoring available for fast local diagnostic.
- Input delay up to 2 s and output delay up to 100 ms for time alignment per channel.
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- AES3 digital inputs.
- Two Dante™ streams.
- TI C6000 DSP platform architecture.
- Power limiter (RMS, Peak, Clip, TruePower™, and Current).
- WiFi remote management via smartphone and tablet.

VERSIONS

- Standard: Ethernet for control and full DSP functionality.
- Option: Adds Dante™ with redundant 1000Base-T ports.



PRODUCT RANGE

MODEL	2Ω	4Ω	8Ω
X4/X8	5200 W	3000 W	1600 W



Armonia-Plus
System Manager

"For the music we play you need headroom and theoretically this will take 8,000 W. Dub music requires sustained bass notes and the amps we have used in past would sometimes struggle."

Jerome Joly , Mungo's Hi-Fi

MUNGO'S HI-FI SOUNDSYSTEM

CHALLENGE

Reducing the power to weight ratio of the amplifiers and processing platforms, while granting output power consistency for the heavily sustained bass notes.

SOLUTION

1x **X8 Amplifier Platform** driving the stereo mid-top enclosures.
1x **K20 Amplifier Platform** assigned to the subwoofers.

RESULT

A smaller and lighter amplifier rack with in built sound processing capabilities, providing massive amounts of sustained and controlled power.



T SERIES

T302 T304
T304 T604

T302

T304

T604

DESIGNED FOR THE GIGS OF TODAY BUILT FOR THE SHOWS OF TOMORROW

The T Series is a flexible and cost-effective amplifier platform loudspeaker processor with output powers ranging from 750 W to 3000W per channel.

All models deliver the same high peak voltage allowing high SPL with single 8/16 ohm cabinets. The high voltage allows power sharing between the channels for applications such as bi-amped loudspeakers, or subwoofers with passive tops.

These amplifiers feature analog inputs along side with Dante™, and AES3. The Dante™ and AES3 solutions are optimized for daisy-chained distribution of 2-channel audio to many amplifiers without the need for external switches/repeaters/splitters.

KEY FEATURES

- Input delay up to 2 s and output delay up to 100 ms for time alignment per channel.
- Active DampingControl™ for cable compensation.
- Compact size and high power density.
- Fully protected circuit design.
- AES3 digital inputs.
- Inbuilt Dante™ inputs.
- Power limiter (RMS, Peak, Clip, TruePower™, and Current).
- Power sharing.

VERSIONS

- Standard: Dante™, Ethernet for control and full DSP onboard.

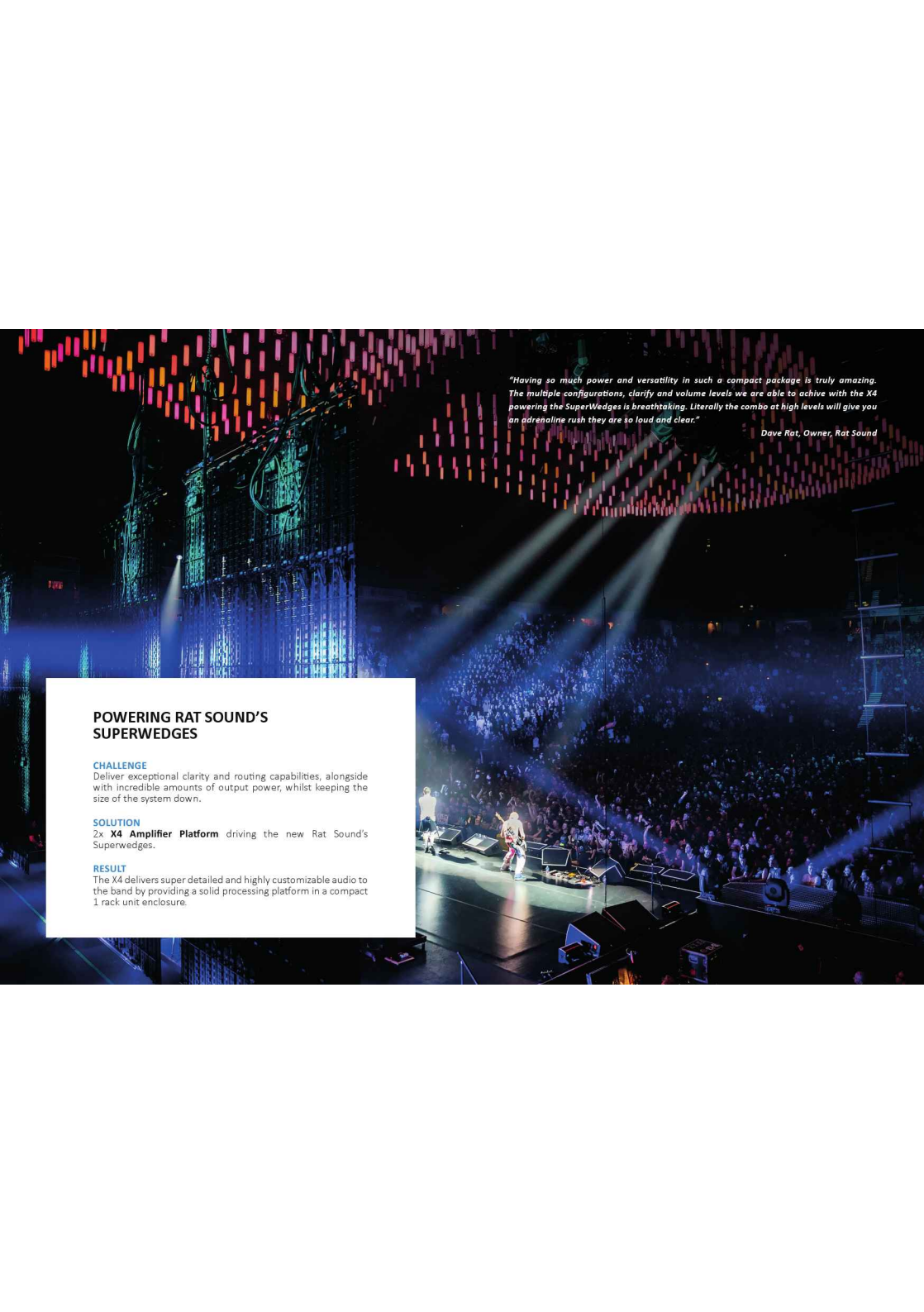


PRODUCT RANGE

MODEL	2Ω	4Ω	8Ω
T302	1500 W	1500 W	1200 W
T602	3000 W	2500 W	1300 W
T304	750 W	750 W	750 W
T604	1500 W	1500 W	1250 W



Armonia-Plus
System Manager

A wide-angle photograph of a concert venue. The stage is illuminated with blue and white lights, and a large crowd of people is visible in the foreground. The ceiling is decorated with numerous small, colorful lights in shades of red, orange, and yellow. The overall atmosphere is vibrant and energetic.

"Having so much power and versatility in such a compact package is truly amazing. The multiple configurations, clarity and volume levels we are able to achieve with the X4 powering the SuperWedges is breathtaking. Literally the combo at high levels will give you an adrenaline rush they are so loud and clear."

Dave Rat, Owner, Rat Sound

POWERING RAT SOUND'S SUPERWEDGES

CHALLENGE

Deliver exceptional clarity and routing capabilities, alongside with incredible amounts of output power, whilst keeping the size of the system down.

SOLUTION

2x **X4 Amplifier Platform** driving the new Rat Sound's SuperWedges.

RESULT

The X4 delivers super detailed and highly customizable audio to the band by providing a solid processing platform in a compact 1 rack unit enclosure.

K SERIES

FIELD PROVEN PERFORMANCES BUILT FOR THE MOST DEMANDING TOURING CONDITIONS.

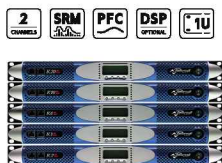
In use worldwide by leading touring and event sound companies, K Series is preferred among the top ranking system designers, sound engineers, and system techs on the road for making their lives easier, giving them reliable premier-grade power and headroom in the smallest possible package size.

KEY FEATURES

- Advanced switch-mode worldwide operating power supply.
- Power Factor Correction PFC for low mains consumption and wide mains operating range.
- Clip limiter: prevents severely clipped waveforms from reaching loudspeakers.
- VHF protection: protects the loudspeakers against non musical high frequency signals.
- Combo XLR/6.3 mm Jack Neutrik input connectors with link capability.
- AES3 digital input.
- LCD interactive display.
- Analog Devices SHARC® DSP architecture.
- Interface available for MediaMatrix, Creston, AMXcontrol, Q-SYS and monitoring systems.

VERSIONS

- Standard: Analog inputs, full protection scheme.
- Option: DSP with daisy chained 100Base-TX Ethernet with redundant digital AES3 audio on the unused pairs.



Armonía-Plus System Manager

PRODUCT RANGE

MODEL	20	40	80
K20	9000 W	5200 W	2700 W
K30	6000 W	4000 W	2000 W
K6	3600 W	2500 W	1300 W
K3	2800 W	2600 W	1400 W
K2	1950 W	1950 W	1000 W

M SERIES

A TRUE CLASSIC OF CLASS D AMPLIFICATION, RELIABLE, AFFORDABLE AND SAFE.

The M Series represents a superb value from a premium brand with unparalleled efficiency, good for the environment and easy on the power bill. The size and the weight is an absolute minimum thanks to the 1U standard and the reduced depth of the equipment.

KEY FEATURES

- Fixed frequency switch mode output.
- Patented output filter with ripple cancellation network.
- Thermal protection: output stages operating temperature up to 75° C (167° F).
- Separate input/output EQ's with numerous filters of various types up to 48 dB/oct.
- Neutrik XLR balanced inputs with loop thru XLR and Speaker outputs connectors.
- Recessed stepped attenuators.

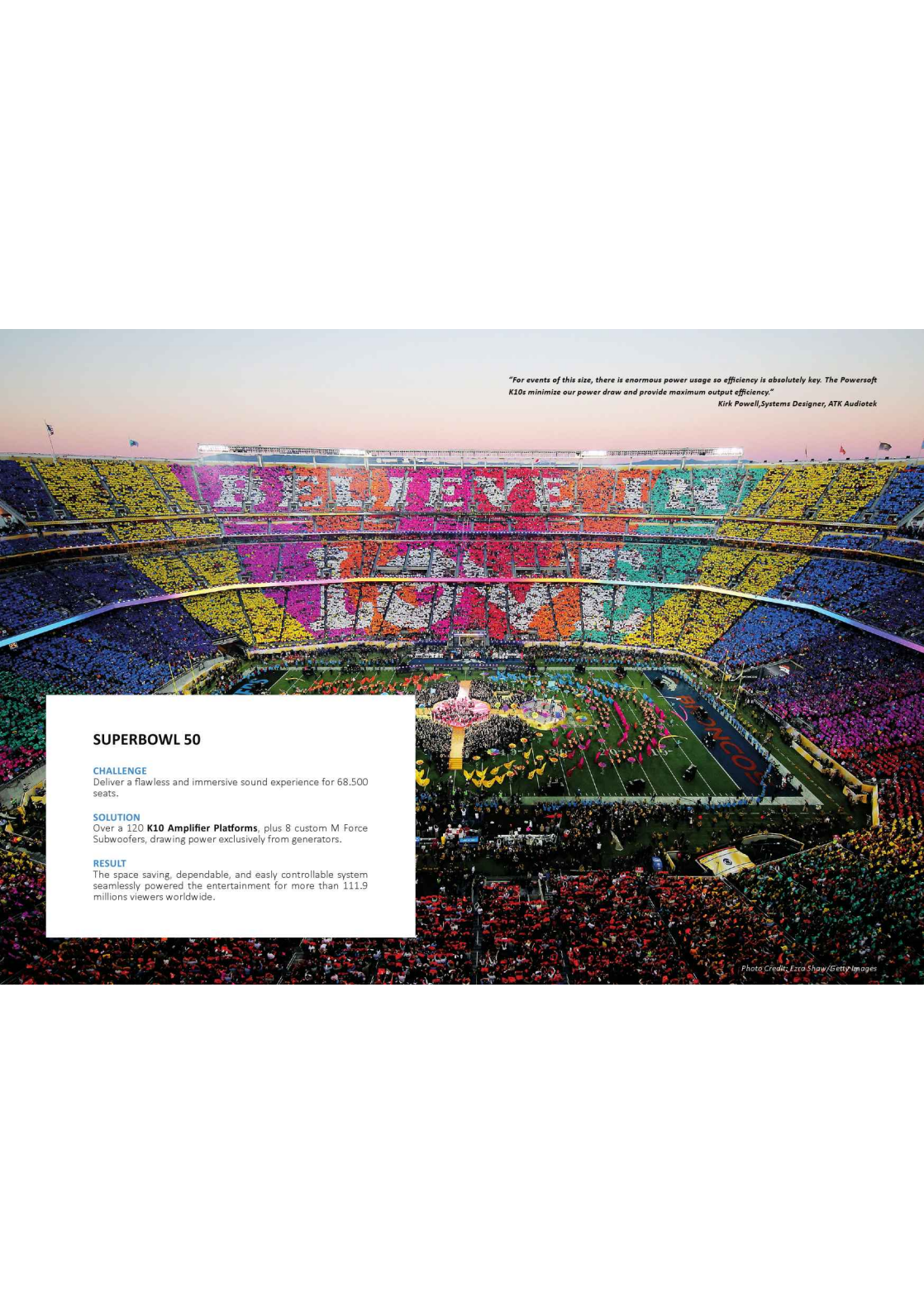
VERSIONS

- Standard: Analog inputs, full protection scheme.



PRODUCT RANGE

MODEL	40	80
M50Q	1250 W	750 W
M28Q	700 W	360 W
M30D	1500 W	900 W
M20D	1200 W	600 W
M14D	700 W	360 W



"For events of this size, there is enormous power usage so efficiency is absolutely key. The Powersoft K10s minimize our power draw and provide maximum output efficiency."
Kirk Powell, Systems Designer, ATK Audiotek

SUPERBOWL 50

CHALLENGE

Deliver a flawless and immersive sound experience for 68,500 seats.

SOLUTION

Over a 120 **K10 Amplifier Platforms**, plus 8 custom M Force Subwoofers, drawing power exclusively from generators.

RESULT

The space saving, dependable, and easily controllable system seamlessly powered the entertainment for more than 111.9 millions viewers worldwide.

Photo Credit: Ezra Shaw/Getty Images

ArmoníaPlus System Manager

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

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- 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 Smart v8.
- Supported languages: English, Italian, Spanish, Portuguese, Chinese, and Japanese.

TYPICAL ARMONIAPLUS SETUP

ArmoníaPlus' interface is highly customizable, granting user friendliness and flexibility in all touring applications.

OPERATOR VIEW

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

X SERIES FRONT PANEL WEBAPP

The X Series Front Panel webapp makes our X Series amplifier platforms remotely accessible and operable.



TECHNICAL SPECIFICATIONS CHART

		POWER @ 20	POWER @ 40	POWER @ 80	BRIDGED @ 40	BRIDGED @ 80	MAX OUTPUT VOLTAGE	MAX OUTPUT CURRENT	CURRENT DRAW** 115 V	230 V	THERMAL DISSIPATION*	S/N RATIO	RU	DEPTH	WEIGHT
T302		2 x 1500 W	2 x 1500 W	2 x 1200 W	1 x 3000 W	1 x 3000 W	145 V _{PKAK}	50 A _{PKAK}	4.8 A	2.7 A	517 BTU/h	>110 dBa	1	405 mm / 16"	6.7 kg / 14.8 lb
T602		2 x 3000 W	2 x 2500 W	2 x 1300 W	1 x 6000 W	1 x 5000 W	145 V _{PKAK}	100 A _{PKAK}	7.6 A	4.3 A	731 BTU/h	>110 dBa	1	405 mm / 16"	7.5 kg / 16.5 lb
T304		4 x 750 W	4 x 750 W	4 x 750 W	2 x 1500 W	2 x 1500 W	145 V _{PKAK}	50 A _{PKAK}	4.9 A	2.7 A	512 BTU/h	>110 dBa	1	405 mm / 16"	7.1 kg / 15.6 lb
T604		4 x 1500 W	4 x 1500 W	4 x 1250 W	2 x 3000 W	2 x 3000 W	145 V _{PKAK}	50 A _{PKAK}	9.8 A	5.5 A	944 BTU/h	>110 dBa	1	405 mm / 16"	7.5 kg / 16.5 lb
X8		8 x 5200 W	8 x 3000 W	8 x 1600 W	4 x 10400 W	4 x 6000 W	175 V _{PKAK}	130 A _{PKAK}	32 A	18 A	1946 BTU/h	>110 dBa	2	495 mm / 19.5"	24 kg / 52.6 lb
X4		4 x 5200 W	4 x 3000 W	4 x 1600 W	2 x 10400 W	2 x 6000 W	175 V _{PKAK}	130 A _{PKAK}	18 A	9 A	1058 BTU/h	>110 dBa	1	495 mm / 19.5"	15 kg / 33 lb
X4L		4 x 8200 W	4 x 6800 W	4 x 4800 W	-	-	300 V _{PKAK}	140 A _{PKAK}	32 A	18 A	1946 BTU/h	>110 dBa	2	495 mm / 19.5"	24 kg / 52.6 lb
K20		2 x 9000 W	2 x 5200 W	2 x 2700 W	1 x 18000 W	1 x 10400 W	225 V _{PKAK}	125 A _{PKAK}	15.8 A	7.9 A	1590 BTU/h	>110 dBa	1	475 mm / 18.7"	12 kg / 26.5 lb
K10		2 x 6000 W	2 x 4000 W	2 x 1600 W	1 x 12000 W	1 x 8600 W	200 V _{PKAK}	125 A _{PKAK}	12.2 A	6.1 A	1244 BTU/h	>110 dBa	1	475 mm / 18.7"	12 kg / 26.5 lb
K6		2 x 3600 W	2 x 2500 W	2 x 1600 W	1 x 7200 W	1 x 5000 W	153 V _{PKAK}	125 A _{PKAK}	8.2 A	4.1 A	982 BTU/h	>110 dBa	1	475 mm / 18.7"	12 kg / 26.5 lb
K3		2 x 2800 W	2 x 2600 W	2 x 1600 W	1 x 5600 W	1 x 5200 W	165 V _{PKAK}	102 A _{PKAK}	8.0 A	4.0 A	836 BTU/h	>106 dBa	1	380 mm / 15"	8 kg / 17.7 lb
K2		2 x 2400 W	2 x 1950 W	2 x 1600 W	1 x 4800 W	1 x 3900 W	140 V _{PKAK}	102 A _{PKAK}	6.3 A	3.1 A	722 BTU/h	>106 dBa	1	380 mm / 15"	8 kg / 17.7 lb
M50Q		--	4 x 1250 W	4 x 750 W	--	2 x 2500 W	135 V _{PKAK}	65 A _{PKAK}	11.6 A	5.8 A	955 BTU/h	>110 dBa	1	358 mm / 14.1"	7.3 kg / 16 lb
M28Q		--	4 x 700 W	4 x 360 W	--	2 x 1400 W	85 V _{PKAK}	60 A _{PKAK}	7.48 A	3.74 A	785 BTU/h	>109 dBa	1	358 mm / 14.1"	7.3 kg / 16 lb
M30D		--	2 x 1500 W	2 x 900 W	--	1 x 3000 W	135 V _{PKAK}	65 A _{PKAK}	7.0 A	3.54 A	529 BTU/h	>108 dBa	1	358 mm / 14.1"	7.3 kg / 16 lb
M20D		--	2 x 1200 W	2 x 600 W	--	1 x 2400 W	116 V _{PKAK}	65 A _{PKAK}	5.0 A	2.54 A	529 BTU/h	>107 dBa	1	358 mm / 14.1"	7.3 kg / 16 lb
M1dP		--	2 x 700 W	2 x 360 W	--	1 x 1400 W	85 V _{PKAK}	65 A _{PKAK}	3.8 A	1.9 A	368 RTU/h	>109 dBa	1	358 mm / 14.1"	7.3 kg / 16 lb

*1/8 of max output power @ 40

Data subject to change without notice





DRIVING HUMAN AUDIO EXPERIENCE

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