



NEW PRODUCTS 2026



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We Care About Your Sound

Italian engineering, built around real-world use.

Founded in 1949, RCF started with a clear focus on audio technology and grew through the decades as sound moved from installation specific systems to large live venues that demanded reliable sound reinforcement. That background: deep expertise in transducers and electronics, enabled RCF to develop complete audio systems and expand across multiple audio markets over time.

Today, RCF designs and develops loudspeakers and components internally, with a catalog that covers the entire audio chain and serves musicians, sound engineers, rental companies, architects, and system integrators. Whatever the application, the goal is the same: deliver the best result for both the listener and the user. Sound quality and usability, together.

PASSION

RCF's passion for perfection shapes every product: created to deliver an engaging, distinctive listening experience, with performance that holds up in real work.

- Designed from the ground up
- Components developed internally
- Solutions for every stage of the audio chain

SOLUTIONS

RCF focuses on outcomes, matching each application with tools that are effective, practical, and dependable.

- Sound quality and usability
- Built on 75+ years of know-how and continuous improvement
- A trusted reference for audio professionals

INNOVATION

Design at RCF is a continuous evolution, supported by an engineering-led approach and a tightly controlled manufacturing process.

- Forward in technology and materials
- Quality and reliability, refined component by component
- End-to-end workflow: from voice coil to management software

CULTURE

RCF invests in knowledge-sharing through the science-based RCF Audio Academy, with training designed for the global audio community.

- Courses and workshops on products, technologies, and use cases
- In-depth professional education
- Sessions organized worldwide by RCF sound professionals/engineers



End-to-End Technology. Real-World Usability.

RCF develops and integrates proprietary technologies across the entire signal chain, spanning transducers, acoustical loading, waveguides, DSP, amplification, networking, and control, to deliver consistent performance in real applications. Rather than treating innovation as a series of isolated features, these technologies are engineered to work together as a complete system, from component design and production through enclosure optimization and full-system voicing.

This approach includes key DSP building blocks: BMC for extended low-frequency performance; FIRPHASE for phase-response optimization; ACE for acoustic control strategies; protection features; and software for monitoring and control at scale, for desktop or smartphone use.

The goal is practical: maintain intelligibility, tonal consistency, and controlled directivity across different rooms, audiences, and deployment sizes, while supporting fast setup and repeatable tuning. Long-life components, robust mechanical design, and protection strategies further ensure reliability under frequent transport or permanent installation.

Beyond loudspeakers, RCF supports system workflows with design, control and prediction software, clear documentation, and an ecosystem of accessories and software tools that streamline deployment and maintenance. From corporate events to clubs, theaters, and touring productions, RCF products are built to reduce uncertainty, helping professionals move faster from planning to showtime with confidence.



Bass Motion Control

When searching for an extended bass with enhanced performance, RCF engineers used a forward-thinking approach. Introducing BMC (Bass Motion Control), the newly advanced woofer excursion management feature. The speaker equipped with BMC can handle the lowest audible frequencies without affecting woofer stability, with extended linearity and better sound integrity.

The BMC method works by creating a complete map of the dynamic behavior of the woofer, to generate a custom algorithm that only limits over-excursions. This gives total freedom of signal reproduction to the transducer. When high-pass filters normally protect the woofer motion from becoming destructive but change the phase behavior, the new BMC algorithm breaks conventional rules.

CONTROL OF MECHANICAL DISPLACEMENT

HIGH-PASS FILTER REMOVAL

REMOVE LIMITER IN THE WHOLE RANGE



IMPROVED PERFORMANCE

CONSTANT TIMBRAL BALANCE





FiRPHASE Technology

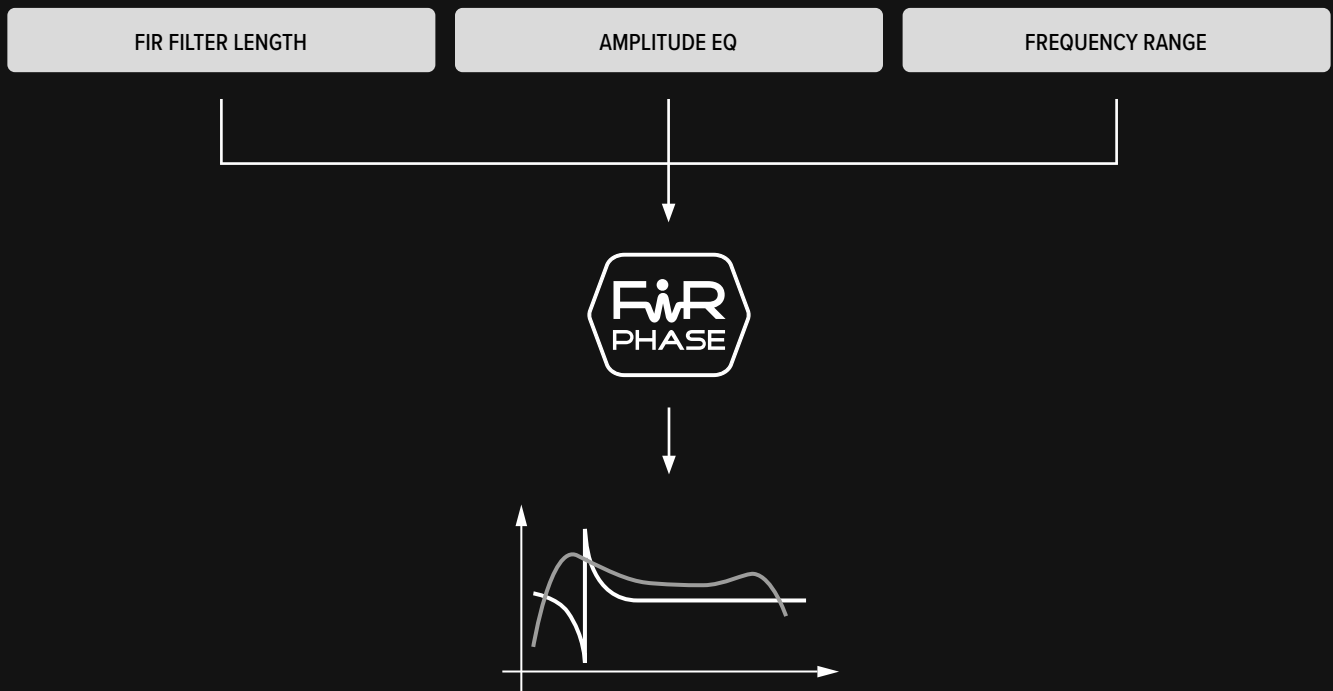
RCF speakers are designed using a proprietary and advanced digital FIR technology, conceived to deliver transparent sound, absolute clarity and perfect imaging to the listener. The special FiRPHASE filters allow for coherent distribution of sound for all listeners without phase distortions, ensuring minimum latencies in the system.

The design of the FIR filter for this specific purpose should start from an accurate measurement of the loudspeaker phase. FiRPHASE algorithm use this measurement and adapt the loudspeaker's phase without touching the amplitude equalization.

The advanced technique used by FiRPHASE is a recursive method (least squares method) combined with a proprietary algorithm that calculates the best FIR filter coefficients according to amplitude and phase constrains.

The algorithm corrects phase and amplitude (if necessary) by identifying the weak points of both the transducers and cabinet of the loudspeaker.

This technique allows a deep control of phase at mid-low frequency with relatively small filters, while also achieving a higher resolution than that one as theory suggests.



When an ACE preset is loaded, the FiRPHASE processor is engaged across the entire crossover band to optimize phase alignment and ensure maximum performance and power delivery for the SUB+TOP system.



Advanced Crossover Engine

Factory-tuned presets for perfect sub-top pairing.

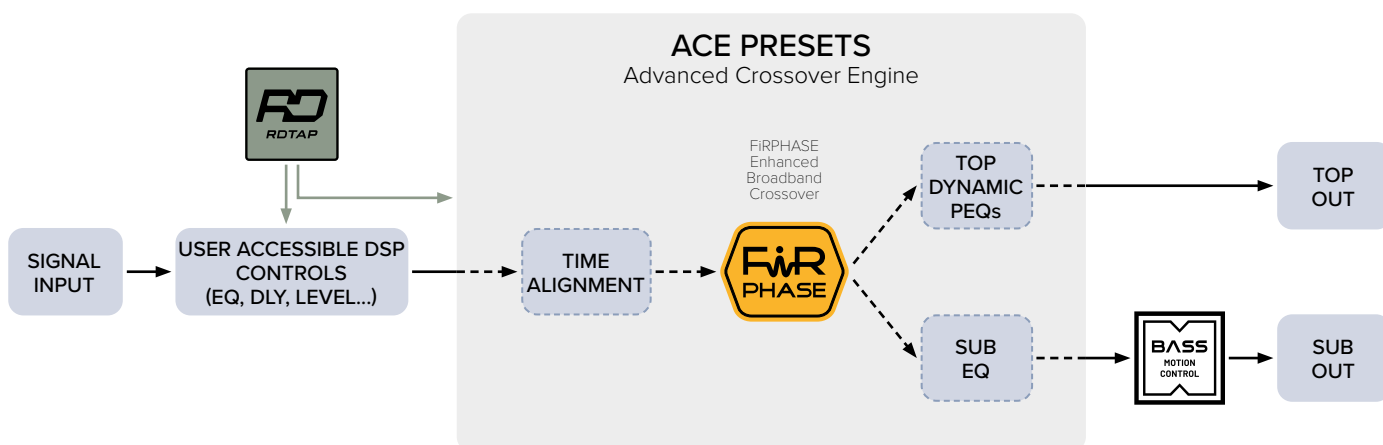
The first solution of its kind for effortless and precise audio alignment.

BETTER EFFICIENCY, FASTER SETUP

With RCF's ACE-compatible speakers, users can now leverage the technical expertise of RCF's system engineers at the touch of a button. As an industry first, RCF offers effortless alignment of subs and tops by quickly recalling presets from RDTap. This innovative approach saves time and ensures precise and consistent audio performance across various venues and setups, making advanced audio calibration accessible to a broader user base.

SUB-TOP SYNERGY FOR UNMATCHED LOW-END POWER

ACE operates across a broader frequency range than the typical crossover range, allowing the speaker to extend its operation to the lowest frequency available, and gain all the advantages of FIRPHASE technology. ACE transforms a sub+top system into a factory-tuned 3-way system, ensuring increased bass impact, low distortion, and improving overall sound quality.



Hit the ACE!

With ACE, the system is ready for use. Each configuration has been fine-tuned in an anechoic chamber and validated through listening tests in real settings.

Simply connect your satellite speakers to the SUB, select the preset from RDNet or RDTap, confirm/tap and you are ready to perform.

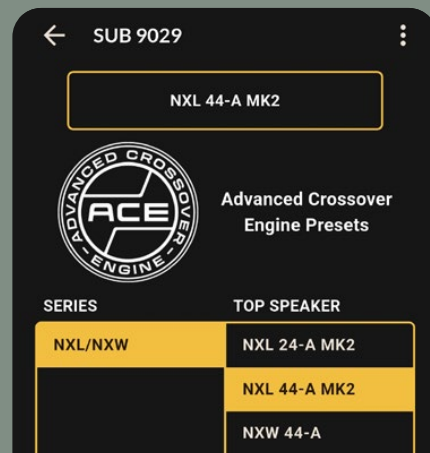


PAIR YOUR FULL-RANGE SPEAKER WITH RCF ACE-ENABLED SUBS

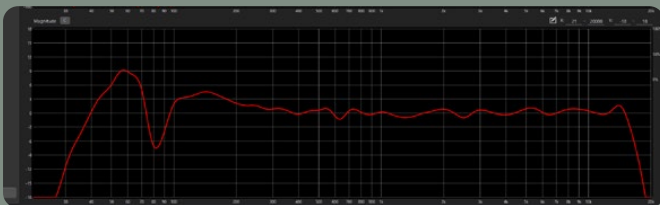
RCF's proprietary Advanced Crossover Engine (ACE) is engineered to precisely match the time delay and align the phase on a broader range than the usual crossover frequency range between RCF subwoofers and FIRPHASE-enabled full-range speakers.

BREATHE NEW LIFE INTO YOUR LEGACY SYSTEMS

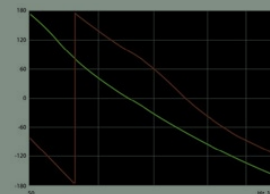
When it's time to upgrade, you don't need to start over. Pair your HDL 20-A or HDL 6-A with our ACE-enabled RCF SUBs for a straightforward system update. You'll benefit from factory-tuned presets and precise FIRPHASE filter tuning for enhanced sound performance; remote control via RDNet; simplified configuration with RDTap; system equalization; and delay alignment. And of course, all this is supported by the consistent low-end output of our latest RCF Precision Transducers.



UNALIGNED

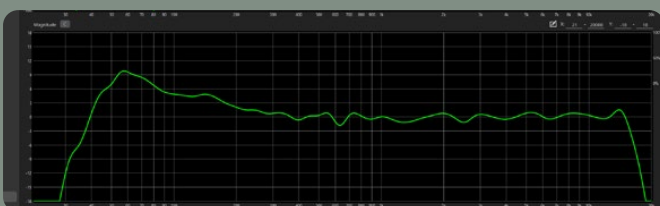


Amplitude

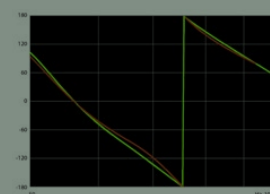


Phase

ACE-ALIGNED



Amplitude



Phase





RDTap

The RDTap app offers contactless communication with the subwoofer. Users can access pre-loaded presets to quickly configure popular RCF system or optimize compatible speakers and subwoofers.

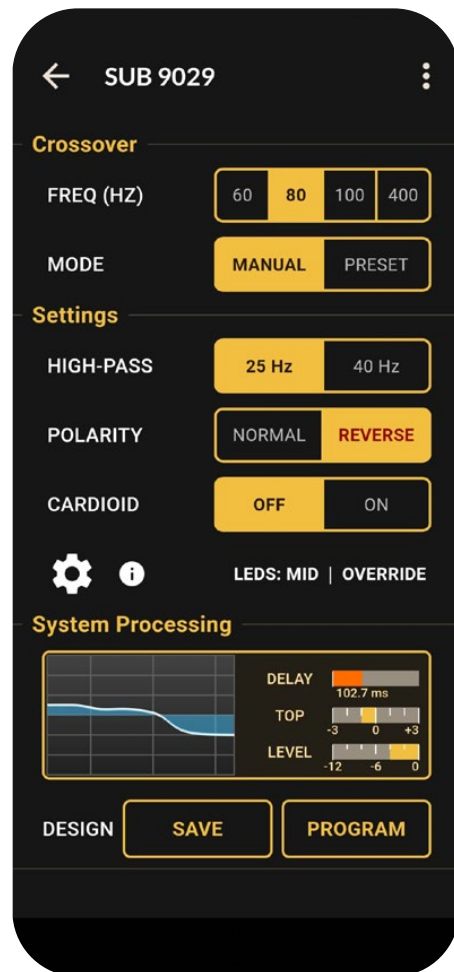
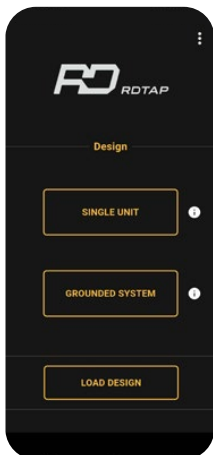
RDTAP TECHNOLOGY

RDTap enables contactless communication, offering setup management and parameter updates, even when the unit is unpowered. By tapping the RDTap logo at the back panel with a smartphone running RDTap, the app transfers to the unit every aspect of the defined setup, including preset configurations, equalization, and precise delay and time alignment settings. Or read the status of the speaker.

This is specially convenient when upgrading your subwoofers and giving your old main system a new life, with the assistance of presets, EQs, delays, and management via RDNet.

Unlike other control technologies that operate over long distances, this solution focuses on near-field interactions, where security, precision, and unpowered operations before rigging are key. Data transmission occurs at close range, ensuring that changes are applied only when intended, without interference from further distance or external devices. This makes it a highly efficient and user-friendly way to manage the subwoofer's settings and performance before set up takes place.

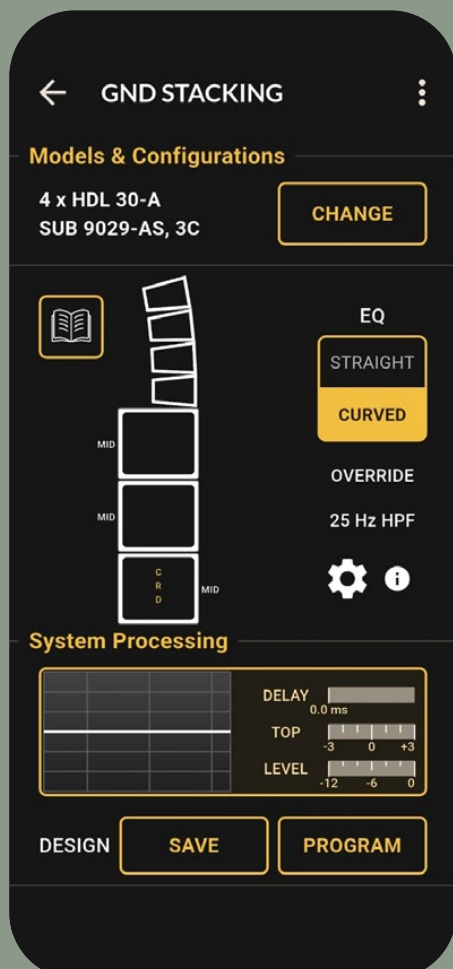
RDTap App is available for both iOS and Android devices.



Contactless Audio System Configuration

ADVANCED OPTIMIZATION, SIMPLIFIED

- Patent Pending NFC-based Contactless Technology
- Read speaker status and write configuration
- Access to factory-tuned ACE presets for sub-top pairing
- Operates even when the unit is unpowered
- Transfers presets, EQ settings, delay, and much more
- Near-field data transmission ensures security, precision, and interference-free operations
- Available for both iOS and Android
- Ideal for on-the-move system design and offline device configuration





RDNet

RDnet is a powerful management network and control platform for small to arena-sized sound systems and large-scale installations.

TOOLBOX FOR SOUND SYSTEM DESIGN

RDNet is an advanced platform for integrated monitoring and control of sound systems - from small live and installed setups to massive arena systems. Based on a robust networked architecture, RDNet combines system control, line array design, and comprehensive audio measurements into a single powerful software package. Engineers and technicians can intuitively manage every device on the network, from individual components to multiple groups. The platform provides full DSP control of compatible devices, with flexible configuration tools for perfectly tuning the system response at maximum speed. Users have real-time access and oversight of all key settings from a centralized interface.

RDNET MEASURE

RDNet Measure is a powerful 4-input Dual-Channel FFT Audio Analyzer able to measure Magnitude, Phase, RTA, Coherence, and Impulse response. Functions included spans from a delay finder, a multiple signal generator, and an integrated SPL meter/logger with calibration tools. There's no need for external software to get the job done.

THE TOOLBOX FOR SYSTEM DESIGN AND OPTIMIZATION

RDNet displays all audio devices connected to the network as objects on the main window. The real-time monitoring features a multitude of parameters such as fan speed, temperature, the inclination of a single speaker, VU Meters, peak levels, and more. The operator has complete control of time delay and equalization of every speaker, individually or grouped. With its built-in DSP, each device is an active part of the system, able to store presets, receive commands, and continuously send status information. Comprehensive monitoring is standard in RDNet: VU metering, clip indicator, limiter intervention, device inclination, communication issues—down to the status of a single component or a transducer—and much more.



Sound System Management & Control Software

WHAT'S NEW IN VERSION 5

The latest release features a streamlined workflow for seamlessly grouping self- and externally-powered systems. Device discovery is optimized with quicker drag-and-drop functionality, making it easy to manage hybrid systems. For example, a configuration using both TT+ Audio and RCF HDL loudspeakers. The improved user interface includes an advanced EQ visualization with amplitude/phase response plot and real-time FFT analysis. The redesigned cloud infrastructure allows projects and measurements to be saved remotely and recalled from any location.

NEW: AUTOMATIC ALIGNMENT

The time-saving [Automatic LF Alignment] and [Fill/Delay Align] functions integrated with RDNet Measure allow for quickly aligning big systems directly from measurements. The process is simple: after saving RDNet Impulse Response Measurements by group of speakers (Line Array, Subwoofer group, Cluster or Fill Speakers), the [Automatic LF Alignment] function automatically calculates and applies the best phase alignment of the sound system with the subwoofer group, while the [Fill/Delay Align] provides the best temporal alignment between two groups of speakers.

FEATURES

- Array and Zones Grouping for self- and externally-powered systems
- Real-time Discovery and Complete Monitoring
- Complete Real-Time FFT Analyzer with EQ integration and Auto-Alignment
- Adjust Hi-Pass, EQ, Gain, and Delay on individual components
- New IP-based RDNet-OE architecture
- Cloud Storage and Import full
- Shape Designer Array Calculator

GET THE MOST OUT OF YOUR SYSTEM

RDNet gives the ability to control devices in Groups for easy supervision. Arrays customizable Group properties are Zones, Air Compensation, Cluster Size, FIRPHASE Gain. When assigning Group Array objects in Zones: every Zone has its color for quick reference of set parameters. An incremental control shapes the Air Absorption Compensation, which can be very useful with changes in humidity or temperature (e.g., soundcheck on a sunny day, concert on a humid night). The line array's low-mid shaping is automatically calculated on the Cluster size to obtain the perfect linear frequency response from the entire system.

LIVE SOUND AND INSTALL AUDIO APPLICATIONS

RDNet provides a comprehensive management system for both live and installed environments. This networked platform facilitates control and allows for the efficient monitoring, routing, and tuning of all RDNet-compatible devices





RDSHAPE

RDSHAPE is a 3D sound system design and acoustic-simulation platform for RCF and TT+ Audio speakers and subs.

PRECISION ACOUSTIC DESIGN

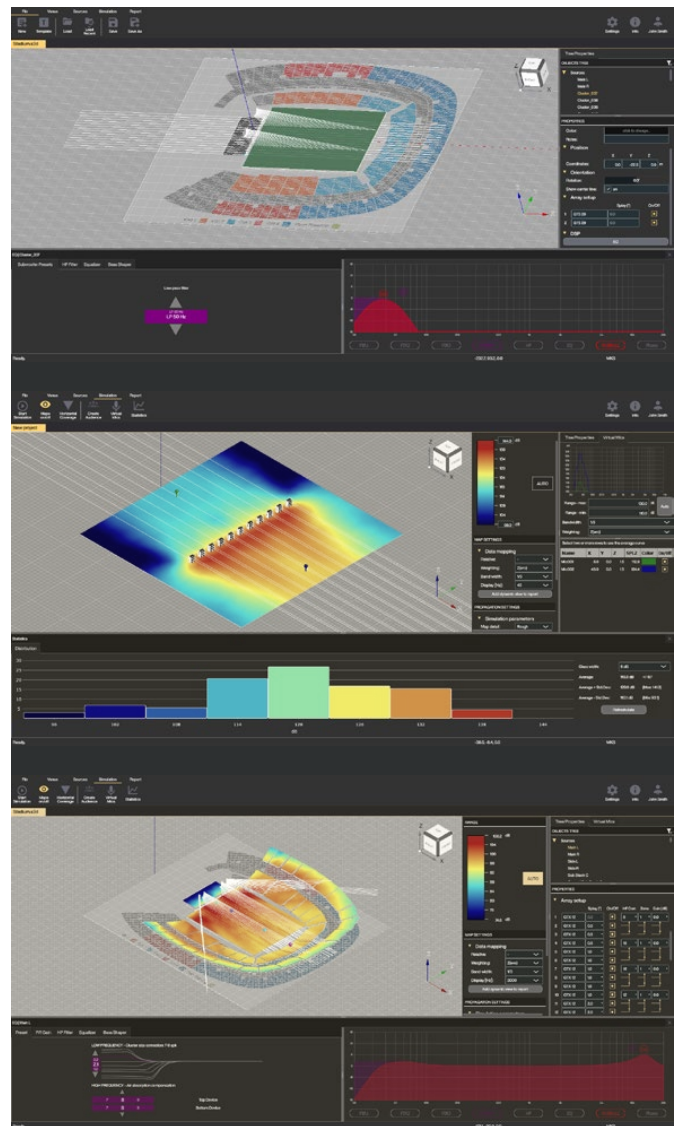
RDSHAPE is an advanced simulation software, purpose-built for acoustic modeling and system optimization of RCF and TT+ Audio speaker and subwoofer systems. Designed to streamline the design, setup, and tuning process, RDSHAPE is a versatile tool for touring professionals, venue designers, and sound engineers. Whether planning a small performance or a large-scale installation, RDSHAPE ensures precise predictions, seamless configuration, and robust safety compliance.

ON-AXIS AUDIENCE AREA MODELING IOS APP

Ok-Sound's On-Axis app supports fast measurement workflows and pairs with Bluetooth laser distance meters. On-Axis projects can be exported in RDSHAPE's native file format, providing complete compatibility with RDSHAPE.

KEY FEATURES

- **Accurate Acoustic Simulation** - Predict SPL and frequency response across audience areas, enabling finely tuned performance for every seat.
- **Comprehensive System Design** - Use the autoplay feature for optimal line array angles and evaluate subwoofer configurations with virtual microphones.
- **Rigging & Safety Integration** - Access detailed rigging data, including load, fly bar strength, pick points, and weight distribution, ensuring safe and efficient installations.
- **3D Venue Modeling** - Define audience planes and simulate sound propagation with a full 3D venue visualization, including IR-based virtual microphone measurements.
- **Streamlined Workflow** - Leverage templates, import venue basemaps, and export key design elements as STEP (ISO 10303) or PDF files for seamless collaboration.
- **Advanced EQ & Filters** - Fine-tune system performance with FIRPHASE filters, Bass-Shaper, and EQ presets directly within the software.



Precision System Design And Simulation

TAILORED FOR EFFICIENCY

RDSHape offers a user-friendly interface with powerful tools like integrated templates, autosplay, and drag-and-drop sound source placement. Users can visualize energy distribution in high detail, evaluate statistical sound levels, and manage filter settings—all before system deployment at the venue.

TOURING AND FIXED INSTALLATIONS

From quick mobile setups to permanent installations, RDSHape reduces setup time, ensures safety, and provides a detailed acoustic blueprint. Its compatibility with RDNet allows for real-world system testing and optimization, bridging the gap between simulation and live deployment.



AMFG® EASE

In EASE, each loudspeaker is described by a system definition profile, known as a GLL file, containing the loudspeaker system's mechanical, electronic, and acoustic properties. RCF and TT+ Audio provide GLL files for all loudspeakers. These GLL files can be shared with EASE and EASE Focus software for system design and acoustic simulation.

RCF PRODUCTS CURRENTLY SUPPORTED — MORE COMING SOON



SUB 9006-AS



SUB 9007-AS



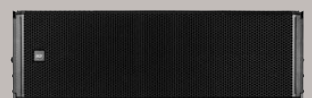
HDL 26-A



HDL 28-A



HDL 30-A



HDL 50-A

SUB 18-AS

PROFESSIONAL ACTIVE SUBWOOFER

High-performance subwoofer engineered for demanding professional sound applications. It features a state-of-the-art 18" transducer with a high-power ceramic magnetic circuit and a powerful Class-D amplifier, delivering maximum SPL, deep low-frequency extension, and outstanding headroom.

LEGENDARY SUBWOOFERS

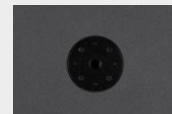
RCF subwoofers are the first choice of many sound engineers, thanks to the very high SPL levels at very low frequencies, small dimensions compared to the competitors, self-powered design, internal delay control, long-term reliability, cardioid configuration options, and impressive size/weight to SPL output ratio. Your crowd will be able to live an engaging immersive experience in both live sound or DJing applications.

THE RIGHT DRIVE TO THE BEAT

With 2,200W power, our Class-D amplifier is able to manage extreme sound pressure levels with an ultra-fast attack, realistic transient response, and very low heat loss. So energy-efficient that there's no need for a cooling fan. The amplifier is attached to a solid aluminum heatsink in the rear of the cabinet with no moving parts. The stereo input circuit with crossover features a low distortion design with an advanced safety limiter, maintaining the true character of the input signal at all levels. RCF amplifiers are designed according to EN62368-1 for maximum safety and present a Switch Mode Power Supply section joining high efficiency with minimum weight.

RUGGED AND PORTABLE

The subwoofer enclosure uses durable all-plywood construction. Its lightweight design with ergonomic carrying handles makes for easy set-up and tear-down. The heavy-duty polyurea coating and powder-coated metal grille protect from wear and environmental elements.



The M20 pole mount on top supports speaker cabinets, further extending its versatility.



I/O PANEL

Mono/Stereo XLR/TRS combo In + Link, Stereo XLR Xover Out. Low distortion design with an advanced safety limiter, maintaining the true character of the input signal at all levels.



Volume, polarity, and lowpass frequency selection.

Low End Done Right

DIVE INTO THE DEPTH OF SOUND

What sets the RCF SUB Series apart is its ultra-fast attack with accurate power handling and a well implemented DSP for perfect balance between power and precision. This makes it the ideal low-frequency complement for 8" to 15" cone-size portable loudspeakers, providing outstanding performance in any sound application.

FEATURES

- 2200Watt
- 135 dB max SPL
- 35 Hz - 400 Hz frequency response
- 18" Woofer, 4.0" voice coil
- Birch tour grade cabinet with polyurea coating
- Mono/Stereo XLR/TRS combo In + Link, Stereo XLR Xover Out
- Volume, polarity, and lowpass frequency selection



SUB 15-AS

PROFESSIONAL ACTIVE SUBWOOFER

High-performance subwoofer engineered for demanding professional sound applications. It features a state-of-the-art 15" transducer with a high-power ceramic magnetic circuit and a powerful Class-D amplifier, delivering high SPL, fast transient response, and outstanding headroom.

RUGGED AND PORTABLE

The subwoofer enclosure uses durable all-plywood construction. Its lightweight design with ergonomic carrying handles makes for easy set-up and tear-down. The M20 pole mount on top supports speaker cabinets, further extending its versatility. The heavy-duty polyurea coating and powder-coated metal grille protect from wear and environmental elements.

LOW END DONE RIGHT

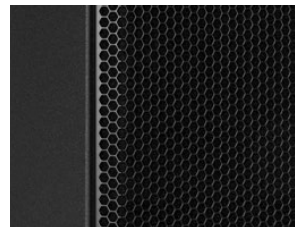
What sets the RCF SUB Series apart is its ultra-fast attack with accurate power handling and a well implemented DSP for perfect balance between power and precision. This makes it the ideal low-frequency complement for 8" to 15" cone-size portable loudspeakers, providing outstanding performance in any sound application.

Tight and deep bass at any volume. RCF's improvements in transducer design make them robust and more powerful, able to deliver perfect clarity even at full level. Bass Motion Control algorithms handle the lowest audible frequencies without affecting the woofer stability, with extended linearity and better sound integrity at any volume.



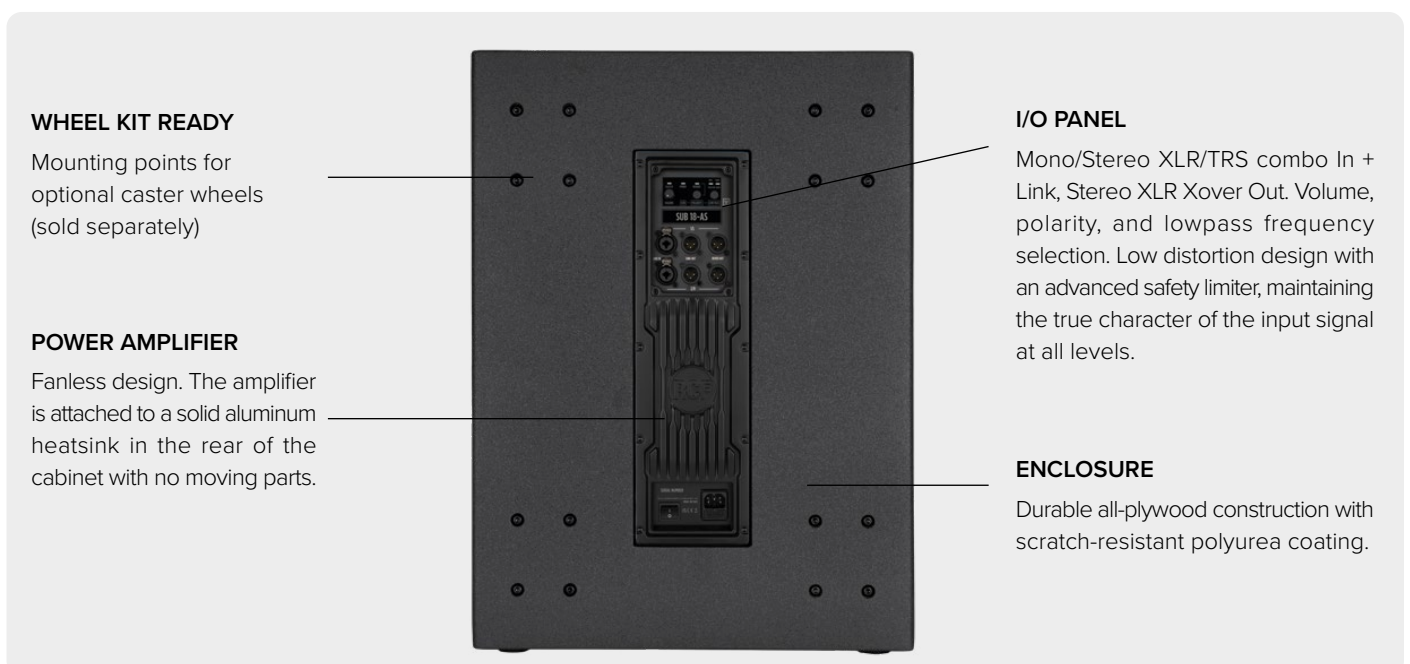
ERGONOMIC HANDLES

The subs are stackable and lightweight, for easy set-up and tear-down.



PROTECTIVE GRILLE

Powder-coated grille with special transparent-to-sound foam on the inside



WHEEL KIT READY

Mounting points for optional caster wheels (sold separately)

POWER AMPLIFIER

Fanless design. The amplifier is attached to a solid aluminum heatsink in the rear of the cabinet with no moving parts.

I/O PANEL

Mono/Stereo XLR/TRS combo In + Link, Stereo XLR Xover Out. Volume, polarity, and lowpass frequency selection. Low distortion design with an advanced safety limiter, maintaining the true character of the input signal at all levels.

ENCLOSURE

Durable all-plywood construction with scratch-resistant polyurea coating.

Dive Into The Depths of Sound

THE RIGHT DRIVE TO THE BEAT

With 2,200W power, our Class-D amplifier is able to manage extreme sound pressure levels with an ultra-fast attack, realistic transient response, and very low heat loss. So energy-efficient that there's no need for a cooling fan. The amplifier is attached to a solid aluminum heatsink in the rear of the cabinet with no moving parts. The stereo input circuit with crossover features a low distortion design with an advanced safety limiter, maintaining the true character of the input signal at all levels. RCF amplifiers are designed according to EN62368-1 for maximum safety and present a Switch Mode Power Supply section joining high efficiency with minimum weight.

FEATURES

- 2200Watt
- 133 dB max SPL
- 35Hz - 400Hz frequency response
- 15" Woofer, 3.0" voice coil
- Birch tour grade cabinet with polyurea coating
- Mono/Stereo XLR/TRS combo In + Link, Stereo XLR Xover Out
- Volume, polarity, and lowpass frequency selection



KXM 25-A

ACTIVE HIGH-PERFORMANCE COAXIAL STAGE MONITOR

KXM 25-A is a very high-output active stage monitor built for maximum impact and tightly controlled coverage. A 3200 W Peak Class-D amplifier drives a coaxial 15" neodymium woofer and horn-loaded coaxial neodymium compression driver, delivering focused monitoring, strong gain-before-feedback, advanced DSP, and full RDNet control.

ROBUST AND DURABLE

The high-quality Baltic birch plywood enclosure is crafted with each layer glued using water-resistant adhesive before the painting process. The weatherproof polyurea paint forms a thick, full coating over the cabinet, with excellent waterproofing, UV resistance, corrosion protection and the ability to withstand abrasion, impacts, and mechanical stress.

KX enclosures feature die-cast aluminum handles with ergonomic rubber grips.

Attached to a solid machined aluminum structure, the amplifier heat dissipation is efficient, enhancing the stiffness of the enclosure.

COAXIAL PRECISION TRANSDUCERS

The KXM 25-A relies on RCF Precision Transducers developed in-house. Its coaxial architecture delivers paramount definition with a stable listening window, with low and high frequencies originating from the same point, improving coherence and more consistent summation. The 60° x 60° constant-directivity pattern focuses energy in the monitoring area, supporting gain-before-feedback with a predictable off-axis response. It features a 15" neodymium coaxial woofer with a 3.5" voice coil and a 2.5" neodymium coaxial compression driver.



INPUT PANEL

High-Quality I/O, Preset Selection, Volume. RDNet connection enables centralized monitoring and control for efficient stage workflows.



HEAVY DUTY MAINS I/O

PowerCON® TRUE1 TOP locking in/out mains connectors for demanding use cases, including outdoor environments.



MULTIFUNCTIONAL CABINET

35 mm pole-mount socket for standalone main speaker mounted on a stand, or paired with a subwoofer.

15" high-power neodymium coaxial woofer with a 3.5" voice coil.

2.5" neodymium coaxial compression driver. 60° x 60° constant-directivity pattern, with low and high frequencies originating from the same point for focused precision.

The **improved vented port** is a proprietary solution that helps to achieve a good aerodynamic behaviour of the air (laminar), gaining efficiency and reducing distortion.



More than a Stage Monitor

ADVANCED ELECTRONICS

KXM employs high-efficiency Class-D amplification with high headroom and stable performance over long show days, along with high-end AD/DA conversion and advanced onboard DSP. Thermal management is integrated into the mechanical design: the amplifier is mounted on a solid, machined-aluminum structure that serves as a heat sink for efficient, fanless heat dissipation, improving reliability while keeping the enclosure stiff.

FEATURES

- 137 dB SPL Max
- 3200 W peak power Class D Amplifier
- 60 x 60 constant directivity coverage
- 15" neo coaxial woofer, 3.5" voice coil
- 1.5" neo coaxial c. driver, 2.5" voice coil
- FIRPHASE and Bass Motion Control
- RDNet Networked Management
- Multifunctional cabinet with symmetrical transducers' design



READY

G
N
R
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H

KXM 20-A

ACTIVE HIGH-DEFINITION STAGE MONITOR

KXM 20-A is a high-output, two-way active stage monitor for clear, controlled monitoring and fast deployment. A 2000 W Peak Class-D amplifier powers dual 8" neodymium woofers and a TRW-loaded neodymium compression driver, delivering predictable coverage, consistent voicing, advanced DSP, and full RDNet control.

TOUR-READY FLEXIBILITY

KXM monitors use a reinforced wooden enclosure designed for durability in transport and stable performance at high SPL. Internal bracing keeps the cabinet rigid and acoustically quiet, minimizing unwanted vibrations. A heavy-duty, powder-coated steel grille protects the transducers, while an internal foam layer helps reduce dust exposure in daily use. The low-profile wedge geometry and rugged hardware are optimized for real stage work, supporting repeated load-ins, fast changeovers, and consistent results under mechanical stress. When needed, the same controlled directivity also makes KXM suitable as a pole-mounted point source for standalone FOH or fill applications. KXM uses powerCON® TRUE1 TOP locking in/out mains connectors for demanding use cases, including outdoor environments.

DIGITAL SIGNAL PROFICIENCY

The KX DSP platform is the next-generation audio engine for RCF active speakers and DSP amplifiers. Designed as a real-time DSP engine, it offers unparalleled processing density and scalability, propelling RCF speakers to a new dimension of performance. This groundbreaking DSP engine delivers unmatched processing power for its class.



INPUT PANEL

High-Quality I/O, Preset Selection, Volume. RDNet connection enables centralized monitoring and control for efficient stage workflows.



HEAVY DUTY MAINS I/O

PowerCON® TRUE1 TOP locking in/out mains connectors for demanding use cases, including outdoor environments.



MULTIFUNCTIONAL CABINET

35 mm pole-mount socket for standalone main speaker mounted on a stand, or paired with a subwoofer.

TRW-loaded 2,5" neodymium compression driver with 70° x 90° constant directivity coverage angle.



Two 8" high-power neodymium woofers in a symmetrical configuration.

The Key to Pure Performance

PRECISION TRANSDUCERS

KXM 20-A relies on RCF Precision Transducers, developed in-house, that combine high power handling and low distortion, providing exceptional sound pressure levels in a compact package. The high frequencies section features a 70° x 90° TRW-loaded 2.5" neodymium compression driver with constant directivity coverage angle. The loudspeaker's low-frequency section comprises two 8" high-power neodymium woofers in a symmetrical configuration. The new True Resistive Waveguide behaves as a pure resistive load—free from resonances—significantly reducing high-frequency distortion typically associated with conventional horns.

FEATURES

- 131 dB SPL Max
- 2000W Peak, two-way Class-D amplifier
- 90° x 70° constant directivity coverage
- 2 x 8" neodymium Woofers, 2.5" voice coil.
- TRW loaded 3" voice coil neodymium compression driver,
- FiRPHASE and Bass Motion Control
- RDNet Networked Management
- Multifunctional cabinet with symmetrical transducers' design



READY

XPS 4K AMPLIFIERS

DSP POWER AMPLIFIERS

Outstanding RCF amplification and DSP technology packed into a convenient 2U four-channel power amp for mobile touring and install applications.

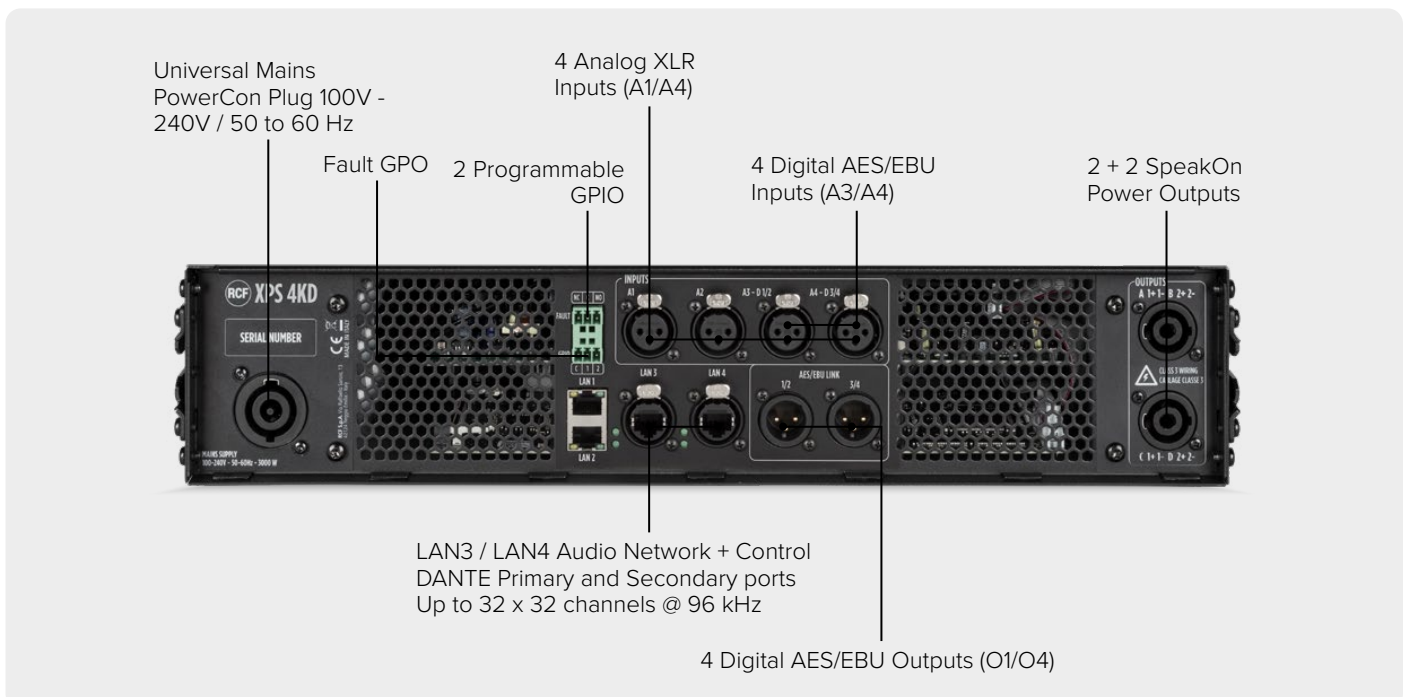
XPS 4K is a four-channel power amplifier with advanced processing and advanced routing with Dante (4KD only), digital and analog I/O for high demanding install sound applications. With 4x1000 W Class D continuous power at 4 ohms, 40-bit floating-point processing at 96 kHz, and 32-bit internal routing, XPS 4K packs remarkable power density in a 2U chassis. Designed for top quality installed sound systems, XPS 4K is intended for use with high-performance speakers and provides ready-to-use configurations and presets. It can also be used in linear mode with advanced tuning capabilities. Each output features: 4000 ms output delay (1372 m / 4501ft), EQ Filters, Crossovers, FIR Filters, Multiband Compressor, RMS Limiter, and Thermal limiter. XPS 4K delivers rider-friendly premium sound with full RDNNet remote management, large touch interface onboard, exceptional signal/noise ratio, ultra-low distortion, and extreme dynamic range.

FLEXIBLE SIGNAL PROCESSING

The comprehensive digital architecture of the amplifier features multiple inputs and outputs that can be easily routed to suit any project. Analog inputs 3 and 4 can be switched to 4 AES/EBU digital I/O ports. Each input can be routed to any of the four digital and power outputs. The advanced clocking management design provides low latency sample rate conversion with high-quality AD/DA converters up to 96 kHz. Each XPS 4K amplifier combines two 40-bit floating-point SHARC DSP chips at 96 kHz and two more 32-bit DSP chips to independently manage audio processing and signal routing for maximum sound quality and redundancy.

CUSTOMIZED QUALITY CONTROL

All amplifier modules are subjected to rigorous quality testing during the production process. Each device is quality controlled with automated equipment and human supervision. Our QC process ensures that every individual amplifier module performs at best off the production line and into the box. This unique system ensures extremely tight quality loops, securing a high overall quality level.



Outstanding. Power. Processing.

INSTALLED AUDIO

QUALITY POWER FOR FIXED SOUND SYSTEMS

XPS Series is the best choice for high-power installation systems such as auditoriums, theme parks, and performance venues. Whether perfectly integrating with RCF passive speakers with ready-to-use presets, XPS provides installation-specific features, including enhanced system status monitoring, GPIOs for extended capabilities, flexible routing, and perfect integration with our proprietary RNet management platform.

TOUR SOUND

THINKING OUT OF THE BOX, AND INTO THE RACK

XPS shines when used in touring applications and live events from medium to very large capacity. Paired with RCF high-powered passive speakers, XPS gives a new perspective in sound system management. The system designer now has complete flexibility in choosing powered, or externally amplified speakers, balancing portability, weight, ease of installation, cabling, fast setup speed, and complete remote management, via RNet.



XPS 4K AMPLIFIERS

The extremely high voltage rail design provides dynamic power ratings relative to RMS power output, enabling the modules to deliver high, short sustained non-clipping power bursts and extreme signal peaks.

FAULT-TOLERANT ARCHITECTURE

RCF amplifier blocks feature a comprehensive self-protection design rooted in the principle of “audio at all times,” with each amplifier channel and power supply individually safeguarded by dedicated fault-protection mechanisms. The XPS 4K enhances reliability even further through a layered approach to safety, employing both rapid and gradual protection strategies at the firmware and hardware levels. These concepts of scalability and resilience converge in the RDNNet-OE network, which seamlessly carries audio and control data in a simple yet robust manner, complete with priority management.

Closed-loop digital protections

- **RMS Signal Protection:** Protects transducers from thermal issues*
- **Bass Motion Control:** Limits over excursions and gives full freedom of reproduction to the transducer*
- **Power Supply Output Dynamic Limiter:** Provides high-performance during long-lasting bursts
- **Peak Overvoltage Protection:** Protects amplifiers in a highly responsive way
- **RMS Overcurrent Protection:** Designed for short circuit protection
- **Gain modulation for Thermal Protection:** Calculated by weighing the signals at variable temperatures with sensors applied to power and amplification modules

* specific for each RCF speaker, defined and calibrated by RCF.

Hardware protections

Current and Voltage Protections

Protects from load currents and voltages that can cause unintended operation or damage

Speakers' Impedance Measurement

Monitors power cables' connections status, and provides system's check strategies.

Fans forced Convection Dissipation

Air forced through speed-controlled fans maximizes heat dissipation and reduces noise.

TOTAL OPERATIONAL CONTROL

A large 4.3" TFT color capacitive touch panel provides full operational control of the amplifier. The user interface is clear and easy to use providing large touch buttons and a practical edit knob, with high contrast menus designed to avoid any ambiguity in very bright or sunny environments. Proprietary RDNNet Over Ethernet Management Network and OSC protocol compatibility allow the Sound System Manager to have complete remote control of the amplifier.



SCALABLE XPS ECOSYSTEM

XPS 4K belongs to the scalable XPS platform, with a consistent RDNNet workflow and preset-driven system tuning across the range. From compact 2U deployments to higher-density solutions such as XPS 16K for up to 16,000 Watts continuous power, the ecosystem enables standardized monitoring, control, and system optimization while scaling to the needs of each project.

High-Power 4-Channel DSP Amplifiers

XPS 4KD

DSP POWER AMPLIFIER (DANTE)

- 4000 W Total Continuous Power @ 4 ohm
- 40-bit Floating-point DSP and 32-bit routing up to 96 kHz
- Dante Audio Network
- FIRPHASE, Bass Motion Control, Bass Shaper
- RDNet Networked Management
- Touch 4.3" Color TFT Interface
- Full On-board Processing with Delay, EQ, Comp/Limiter
- RCF/TT+ Speaker Presets Library
- Class-D Modules with SMPS and Advanced PFC

XPS 4K

DSP POWER AMPLIFIER

- 4000 W Total Continuous Power @ 4 ohm
- 40-bit Floating-point Processing, up to 96 kHz
- 32-bit Fixed-point Internal Routing
- FIRPHASE, Bass Motion Control, Bass Shaper
- RDNet Networked Management
- Touch 4.3" Color TFT Interface
- Full On-board Processing with Delay, EQ, Comp/Limiter
- RCF/TT+ Speaker Presets Library
- Class-D Modules with SMPS and Advanced PFC



KPS SERIES

MULTICHANNEL DSP AMPLIFIERS

High-density installation-specific multichannel amplifiers with adaptable power allocation across outputs, Advanced Processing and Flexible Matrix Routing.

The KPS Series Class-D multichannel amplifiers for professional audio installations are designed to offer maximum flexibility in complex and demanding scenarios such as conference centers, corporate systems, retail environments, theme parks, and museums. KPS amplifiers provide 160 W and 800 W per channel, available in 2-, 4-, and 8-channel configurations, with dynamic and asymmetric power allocation between channels without having to bridge channels or lose channel count. Outputs can be configured for low-impedance (2.7, 4 and 8 ohms) or high-impedance (70 / 100 V) systems.

INTELLIGENT POWER ALLOCATION

The KPS 16X Series delivers class-leading power density, packing four independent 160 W RMS channels into a compact 1 U, half-rack-width chassis. Its intelligent power-sharing architecture can re-allocate up to 300 W to any individual channel, giving installers the freedom to distribute power asymmetrically across outputs without engaging bridge mode or sacrificing channel count—perfect for optimising headroom when driving RCF loudspeakers.

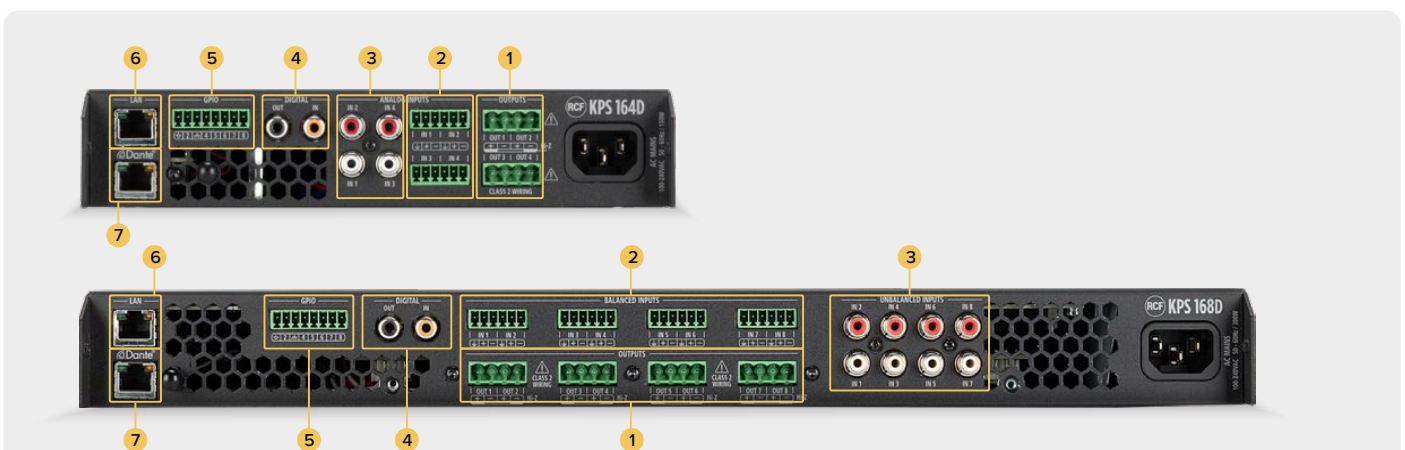
QUALITY SOUND

Our Class-D output stage uses a full-bandwidth pulse-width modulation (PWM) modulator to reproduce the entire 20 Hz–20 kHz range with minimal phase shift.

High-speed switching and real-time global feedback keep total harmonic distortion below 0.05 %. The result is clean, wide-band audio and reduced heat in a compact, lightweight form factor.

GLOBAL OPERATIONAL SAFETY

A universal, regulated switch-mode power supply (SMPS) with Power Factor Correction (PFC) and integral standby converter automatically adapts to any mains voltage from 100 V to 240 V, 50 – 60 Hz, delivering stable power worldwide. Comprehensive protection circuitry shields the unit from short circuits, DC offsets, high-frequency faults, undervoltage, excessive temperature, and overload conditions.



1 - SPEAKER OUTPUTS

Speakers' outputs allow either a two channels connection for Low-impedance speakers or a single 70 / 100 V line for speakers equipped with line transformers.

2 - BALANCED AUDIO INPUTS

3 - UNBALANCED AUDIO INPUTS

Connected in parallel with the balanced inputs.

4 - DIGITAL S/PDIF INPUT/OUTPUT

This digital signal can be routed from any input or zone and allows to daisychain two or more KPS amplifiers.

5 - CONFIGURABLE GPIO

Set of 5 GPIO that can be configured in the RDSpace software to perform the following functions: Stand-by, Mute and Volume control.

6 - LAN CONTROL PORT

KPS amplifiers can be connected to a LAN via a standard Ethernet connection, allowing to access the device for configuration and control via RDSpace software.

7 - DANTE PORT (OPTIONAL)

KPS "D" models are compatible with Audinate Dante® audio over IP (AoIP) networks and installations.

Adaptable. Expandable. Controllable. Remarkable.

MULTIPURPOSE SOUND SOLUTIONS

KPS amplifiers combine modern design, advanced processing, and quality audio for versatile AV applications.

- **Small Shops** Clear background music for small retail and service environments.
- **Large Retail Stores** Consistent, quality audio across extensive multi-zone retail spaces.
- **Bars and Restaurants** Flexible audio zoning for venues with multiple areas or programs.
- **Fitness Centers** High-power, flexible audio for varied fitness environments.
- **Corporate Spaces** Efficient audio solutions for offices, meeting spaces, and communal areas.
- **Houses of Worship** Clear amplification for speech intelligibility over large spaces.
- **Theme Parks** Highly intelligible, evenly distributed sound across expansive grounds.
- **Sport Facilities** Powerful, evenly covered sound that keeps every seat in the game.



KPS SERIES

With scalable configurations from 2 to 8 channels and 160 W to 800 W per channel, KPS amplifiers deliver the efficiency, protection, and connectivity demanded by today’s AV installations. Integrated DSP with factory-tuned RCF loudspeaker presets streamlines commissioning, while RDSpace software and web control enable fast, centralized setup and monitoring.

FLEXIBLE ROUTING AND INTEGRATION

In addition to balanced and unbalanced analog inputs, KPS amplifiers feature an S/PDIF digital input that can be forwarded to subsequent units, creating a common audio bus.

Every KPS Series model can be ordered with an integrated Audinate Dante™ audio-over-IP interface, providing bidirectional, low-latency, lossless multichannel audio transport over standard Ethernet infrastructure. The units enable seamless integration with automation ecosystems such as Q-SYS, AMX, Crestron, or Control4.

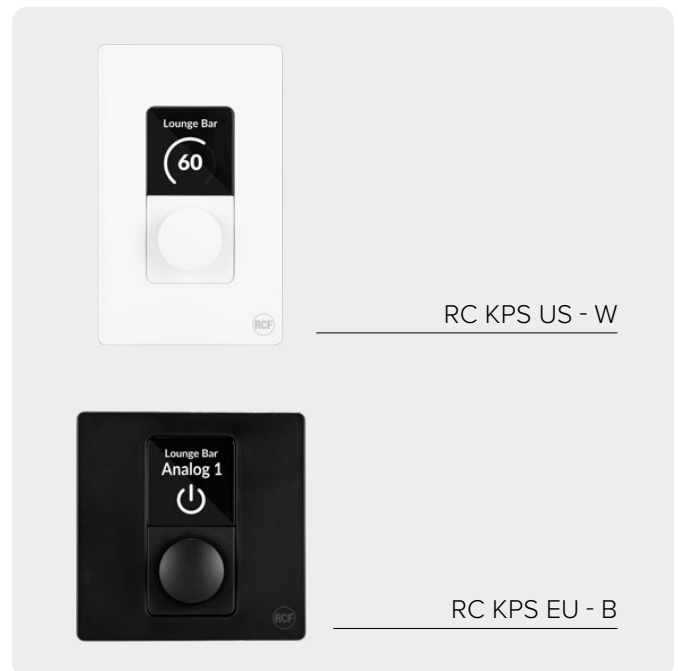
ONBOARD DSP

The powerful onboard DSP enables precise and optimized signal processing in all situations, along with complete management of the input/output matrix. In addition, the preset library for RCF speakers makes KPS amplifiers a ready-to-use solution. Configuration is enabled through the RCF RDSpace software, available as both a desktop application and a web-based version accessible from mobile devices such as smartphones and tablets. In this mode, direct access to devices is also possible without the need for a network switch, thanks to native Wi-Fi connectivity. The device features an integrated wireless access point, enabling straightforward Wi-Fi configuration directly on the unit—no external access point required.

MULTI ZONES WALL CONTROLLER

The RC KPS is a wall-mounted, networked PoE controller designed for RCF KPS amplifiers that provide input selection and volume control. Its minimalist design uses high-performance polymer with a touch-friendly matte finish and concealed screws and offers four display color schemes, four brightness settings, and four button backlight options, supports instant network pairing and configuration via RDSpace.

- PoE for easy network pairing
- Up to 8 x RC KPS per KPS amplifier
- Allocate any RC KPS to any sound zone – set-up via RDSpace
- Quick source selection and level management
- PIN code protection
- EU and US versions in white (RAL9003) and black (RAL9005)





RDSPACE

Control Software Platform

RDSPACE is an adaptive software for managing KPS amplifiers in professional audio systems. Through a single interface, users can handle every stage of deployment—input routing, zone definition, output optimization, and speaker calibration—with real-time monitoring. The software scales smoothly from small venues to large, multi-zone networks, giving operators quick access to presets or deeper configuration tools as the project demands.

RDSPACE allows management of linear-phase FIR filtering, speaker presets and user presets, flexible routing, parametric EQ, precision delay, and full device control. All configuration and monitoring take place in a single application, with the same unified interface, giving operators complete command of the entire audio system from every screen.

- Input mixing
- Speaker presets
- Multi-Zone setup
- End-user control
- Priority and ducking
- Input and output EQ
- S/PDIF routing
- High-pass filters
- Compressors
- Limiters
- Delays
- In-room controller configuration







SPECIFICATIONS & ACCESSORIES

SPECIFICATIONS



	SUB 18-AS	SUB 15-AS
Acoustical specifications		
Frequency Response:	35 Hz - 400 Hz	35 Hz - 400 Hz
Max SPL @ 1m:	135 dB	133 dB
Transducers		
Woofers:	1 x 18", 4.0" v.c	1 x 15", 3.0" v.c
Input/Output section		
Input signal:	bal/unbal	bal/unbal
Input connectors:	Combo XLR/Jack	Combo XLR/Jack
Output connectors:	XLR	XLR
Input sensitivity:	-2 dBu/+4 dBu	-2 dBu/+4 dBu
Processor section		
Protections:	Thermal	Thermal
Limiter:	Soft Limiter	Soft Limiter
Controls:	Volume, Polarity, Low pass filter frequency	Volume, Polarity, Low pass filter frequency
Power section		
Total Power:	2200 W Peak	2200 W Peak
Cooling:	Convection	Convection
Connections:	VDE	VDE
Standard compliance		
Safety agency:	CE Compliant	CE Compliant
Physical specifications		
Cabinet/Case Material:	Baltic birch plywood	Baltic birch plywood
Handles:	2 side	1 each side
Pole mount/Cap:	M20 thread	M20 thread
Grille:	Steel	Steel with clothing
Color:	Black	Black
Size		
Height:	693 mm / 27.28 inches	590 mm / 23.23 inches
Width:	505 mm / 19.88 inches	420 mm / 16.54 inches
Depth:	685 mm / 26.97 inches	590 mm / 23.23 inches
Weight:	44.5 kg / 98.11 lbs	30 kg / 66.14 lbs
Part Number		
220-240 V Black	13000787	13000938
100-120 V Black	13000788	13000939

ACCESSORIES

PROTECTIONS

CVR 003	13360530
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Padded Cover for SUB 18-AS

CVR 004	13360529
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Padded Cover for SUB 15-AS

RIGGING / MOUNTING

PM-KIT M20	13360067
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Adjustable pole for subwoofer

TRANSPORTATION

WH PRO 4X	13360238
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Kit no 4 swivel castor, 100mm / 4" Ø wheel with roller bearings

SPECIFICATIONS



	KXM 25-A	KXM 20-A
Amplifier specifications		
Frequency Response	50 Hz - 20000 Hz	60 Hz - 20000 Hz
Max SPL @ 1m	133 dB	131 dB
Horizontal coverage angle	60°	90°
Vertical coverage angle	60°	70°
Transducers		
Compression Driver	Coaxial 1.5" neo, 2.5" v.c	1 x 1.5" neo, 3.0" v.c
Woofer	Coaxial 15" neo, 3.5" v.c	2 x 8" neo, 2.5" v.c
Input/Output section		
Input signal	bal/unbal	bal/unbal
Input connectors	XLR, RDNet Ethercon	XLR, RDNet Ethercon
Output connectors	XLR, RDNet Ethercon	XLR, RDNet Ethercon
Input sensitivity	-2 dBu/+4 dBu	-2 dBu/+4 dBu
Processor section		
Crossover Frequencies	900 Hz	900 Hz
Protections	Thermal, HF	Thermal, HF
Limiter	Soft Limiter	Fast Limiter
Controls	Proces., 8 sel. presets	Bypass, Linear/High Pass, Volume, RDnet on board
RDNet	Onboard	Onboard
Power section		
Total Power	2200 W Peak, 1100 W RMS	2000 W Peak
High frequencies	600 W Peak, 300 W RMS	600 W Peak
Low frequencies	1600 W Peak, 800 W RMS	1400 W Peak
Cooling	Convection	Convection
Connections	Powercon TRUE1 TOP IN/OUT	Powercon TRUE1 TOP IN/OUT
Standard compliance		
Safety agency	CE compliant	CE compliant
Physical specifications		
Cabinet/Case Material	Baltic birch plywood	Baltic birch plywood
Handles	1 Top	1 TOP
Grille	Steel	Steel
Color	Black	Black
Size / Weight		
Height	353 mm / 13.9 inches	318 mm / 12.52 inches
Width	580 mm / 22.83 inches	445 mm / 17.52 inches
Depth	486 mm / 19.13 inches	450 mm / 17.72 inches
Weight	18 kg / 39.68 lbs	14 kg / 30.86 lbs
Part Number		
220-240V EU	13000978	13000976
100-120V US	13000979	13000977

ACCESSORIES

RIGGING / MOUNTING

AC PRO-FS	13360109
Professional loudspeaker floor stand	
AC PMX	13360232
Speaker pole mount	
AC PRO-PM	13360110
Adjustable pole accessory for satellite loudspeaker on a subwoofer	
PM-KIT M20	13360067 (B)
	13360638 (W)
Adjustable pole for subwoofer	

PROTECTIONS

RPR60651	13360651
Two (2) Units of Rain Protection for Connection Panels	
RPR60689	13360689
2 x Rain Cover	

CABLES

CBL ETHERCON TO XLR F 0.2M	12399019
To adapts XLR female connector to RJ45 RDNet socket on the speaker	
CBL ETHERCON TO XLR M 0.2M	12399020
To adapts XLR male connector to RJ45 RDNet socket on the speaker.	
AC XLR 3M3F	13360102
3 Female + 3 Male XLR 3-pole connectors with nickel body and silver contacts.	
CBL ETHERCON 0.7M	12399016
Ethercon link cable 0.7 m	
CBL ETHERCON 1.5M	12399017
Ethercon link cable 1.5 m.	
CBL ETHERCON 3M	12399035
CAT 5E etherCON cable 3 m.	
CBL ETHERCON 5M	12399018
CAT 5E etherCON cable 5 m.	

SPECIFICATIONS



	XPS 4KD	XPS 4K
Amplifier specifications		
Amplifier Class:	D	D
Output Power (EIAJ 8:32 all channels driven):	4 x 1000 W @ 4 ohm 4 x 700 W @ 8 ohm	4 x 1000 W @ 4 ohm 4 x 700 W @ 8 ohm
Frequency Response (-3dB):	20 Hz - 23000 Hz	20 Hz - 23000 Hz
SNR Analog inputs (unweighted):	>108 dB	>108 dB
SNR Digital inputs (unweighted):	>112 dB	>112 dB
Crosstalk:	<70 dB	<70 dB
Distortion (THD+N) (20 Hz ÷ 20000 Hz, 250 W @ 4 ohm):	<0.2 %	<0.2 %
Gain (linear mode @ 0 dB):	32 dB	32 dB
Damping factor (@ 4 ohm, 20 Hz ÷ 1500 Hz):	>200	>200
Max burst length (@ 50 Hz, CF = 7 dB, 4 ohm, 1% THD+N):	100 ms	100 ms
Input section		
Total number of inputs:	16	8
Line inputs:	4	4
Line connectors:	XLR	-
Digital inputs:	12	4
Digital connectors:	Ethercon, XLR	XLR
Digital type:	AES/EBU, DANTE	AES/EBU
General Purpose Inputs (GPI):	2	2
Programmable GPI:	Yes	Yes
Photo-coupled GPI:	2	2
Output section		
Signal output number:	4	4
Signal output connectors:	XLR	XLR
Power output connectors:	Speakon	Speakon
General Purpose Outputs (GPO):	3	3
Programmable GPO:	Yes	Yes
Processing		
DSP:	Yes	Yes
EQ Filters:	Yes	Yes
Advanced algorithms:	FiRPHASE, BASS Shaper, Air Compensation, Midlow Correction, Driver Excursion Control, Dynamic PEQ, Multiband Compressor, Pilot Tone Detection, Backup Recovery Strategy, Impedance Load Measurement	
Compressors:	Yes	Yes
Delay:	Yes	Yes
Tone controls:	Yes	Yes
High-pass filter:	10 Hz - 1000 Hz	10 Hz - 1000 Hz
Crossover:	2500 - 3500 Hz	2500 - 3500 Hz
Automatic Gain Control (ACG):	Yes	Yes
Configuration and control		
Configuration:	Front panel touch screen, PC Software	Front panel touch screen, PC Software
Network:	Gigabit ethernet	Gigabit ethernet
RCF speakers presets:	Yes	Yes
Priority:	Yes	Yes
Protocols for system integration:	Proprietary OSC based protocol	Proprietary OSC based protocol
RDNet:	Onboard	Onboard

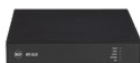
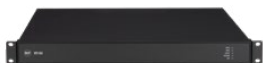
Protections		
Cooling:	Forced	Forced
Short circuit:	Yes	Yes
Thermal:	Yes	Yes
DC:	Yes	Yes
Fuses:	Yes	Yes
VHF (Very High Frequencies):	Yes	Yes
Operating conditions		
Temperature range - Continuous operation:	-5°C - +40°C / +23°F - +104°F	-5°C - +40°C / +23°F - +104°F
Temperature range - Reduced output power:	-5°C to +50°C / +23°F to +122°F	-5°C to +50°C / +23°F to +122°F
Fan noise idle:	<28 dBA	<28 dBA
Fan noise max:	<48 dBA	<48 dBA
Power requirement		
Operating voltage:	90-240 V~ 50/60Hz	90-240 V~ 50/60Hz
Nominal current AC @ 100-120 V:	14 A	14 A
Nominal current AC @ 220-240 V:	8 A	8 A
Stand by power consumption:	30 W	30 W
Idle power consumption:	100 W	100 W
Power consumption:	2600 W	2600 W
Main fuse:	Internal	Internal
Standard compliance		
Safety agency:	CE compliant	CE compliant
Physical specifications		
Cabinet/Case Material:	Metal	Metal
Handles:	2 metal handles for rack mount	2 metal handles for rack mount
Color:	Black	Black
Rack mounting:	19", 2U	19", 2U
Size / Weight		
Height:	88.7 mm / 3.49 inches	88.7 mm / 3.49 inches
Width:	482 mm / 18.98 inches	482 mm / 18.98 inches
Depth:	482.4 mm / 18.99 inches	482.4 mm / 18.99 inches
Weight:	11 kg / 24.25 lbs	11 kg / 24.25 lbs
Part Number		
90-240 V EU	12100084	12100083
90-240 V US	12100086	12100085

SPECIFICATIONS



	KPS 808	KPS 808D	KPS 804	KPS 804D	KPS 802	KPS 802D
Acoustical specifications						
Amplifier Class	D		D		D	
Output Power (all channels driven)	8 x 1200 W @ 2.7 ohm 8 x 800 W @ 4 ohm 8 x 400 W @ 8 ohm 4 x 1600 W @ 4 ohm (bridge) 4 x 1600 W @ 8 ohm (bridge)		4 x 1200 W @ 2.7 ohm 4 x 800 W @ 4 ohm 4 x 400 W @ 8 ohm 2 x 1600 W @ 4 ohm (bridge) 2 x 1600 W @ 8 ohm (bridge)		2 x 1200 W @ 2.7 ohm 2 x 800 W @ 4 ohm 2 x 400 W @ 8 ohm 1 x 1600 W @ 4 ohm (bridge) 1 x 1600 W @ 8 ohm (bridge)	
Output power @ 100 V	4 x 1600 W @ 100 V		2 x 1600 W @ 100 V		2 x 1600 W @ 100 V	
Output power @ 70 V	4 x 1200 W @ 70 V		2 x 1200 W @ 70 V		2 x 1200 W @ 70 V	
Frequency Response (-3dB)	20 Hz ÷ 20000 Hz		20 Hz ÷ 20000 Hz		20 Hz ÷ 20000 Hz	
SNR Analog inputs ("A" weighted)	>108 dB		>108 dB		>108 dB	
SNR Digital inputs ("A" weighted)	>108 dB		>108 dB		>108 dB	
Distortion (THD+N) (20 Hz ÷ 20000 Hz, 400 W @ 8 ohm)	<0.05 %		<0.05 %		<0.05 %	
Input section						
Total number of inputs	9 13		5 9		5 9	
Mic+Line inputs	8		4		4	
Mic+Line connectors	Euroblock, RCA		Euroblock, RCA		Euroblock, RCA	
Digital inputs	1		1		1	
Digital connectors	RCA		RCA		RCA	
Digital type	S/PDIF DANTE, S/PDIF		S/PDIF DANTE, S/PDIF		S/PDIF DANTE, S/PDIF	
General Purpose Inputs (GPI)	5		4		4	
Programmable GPI	Yes		Yes		Yes	
Output section						
Signal output number	1		1		1	
Signal output connectors	RCA		RCA		RCA	
Power output connectors	Euroblock		Euroblock		Euroblock	
General Purpose Outputs (GPO)	5		5		5	
Programmable GPO	Yes		Yes		Yes	
Processing						
DSP	Yes		Yes		Yes	
Configuration and control						
Software Platform	RDSpace		RDSpace		RDSpace	
Network	Ethernet		Ethernet		Ethernet	
RCF speakers presets	Yes		Yes		Yes	
Priority	Yes		Yes		Yes	
Protocols for system integration	AMX, Crestron, Q-SYS, Symetrix, Control 4, RTI, Nice		AMX, Crestron, Q-SYS, Symetrix, Control 4, RTI, Nice		AMX, Crestron, Q-SYS, Symetrix, Control 4, RTI, Nice	
Protections						
Cooling	Forced		Forced		Forced	
Short circuit, Thermal, DC, Fuses, VHF (Very High Frequencies)	Yes		Yes		Yes	
Power requirement						
Operating voltage	90-240 V~ 50/60Hz		90-240 V~ 50/60Hz		90-240 V~ 50/60Hz	
Power consumption	1400 W		700 W		350 W	
Standard compliance						
Safety agency	CE compliant, UL62368-1		CE compliant, UL62368-1		CE compliant, UL62368-1	
Physical specifications						
Cabinet/Case Material	Metal		Metal		Metal	
Rack mounting	19", 2U *		19", 2U *		19", 2U *	
Size / Weight						
Height:	88 mm / 3.46 inches		88 mm / 3.46 inches		88 mm / 3.46 inches	
Width:	483 mm / 19.02 inches		483 mm / 19.02 inches		483 mm / 19.02 inches	
Depth:	414 mm / 16.3 inches		320 mm / 12.6 inches		320 mm / 12.6 inches	
Weight:	11.6 kg / 25.57 lbs		7.4 kg / 16.31 lbs		5.9 kg / 13.01 lbs	
Part Number						
EU 90-240 V	12100098	12100099	12100096	12100097	12100094	12100095
US 90-240 V	12100122	12100123	12100120	12100121	12100118	12100119





KPS 168 | KPS 168D KPS 164 | KPS 164D KPS 162 | KPS 162D

D		D		D	
8 x 160 W @ 4 ohm 8 x 160 W @ 8 ohm 4 x 320 W @ 4 ohm (bridge) 4 x 320 W @ 8 ohm (bridge)		4 x 160 W @ 4 ohm 4 x 160 W @ 8 ohm 2 x 320 W @ 4 ohm (bridge) 2 x 320 W @ 8 ohm (bridge)		2 x 160 W @ 4 ohm 2 x 160 W @ 8 ohm 1 x 320 W @ 4 ohm (bridge) 1 x 320 W @ 8 ohm (bridge)	
4 x 320 W @ 100 V 4 x 320 W @ 70 V		2 x 320 W @ 100 V 2 x 320 W @ 70 V		1 x 320 W @ 100 V 1 x 320 W @ 70 V	
20 Hz ÷ 20000 Hz >106 dB >106 dB <0.05 %		20 Hz ÷ 20000 Hz >106 dB >106 dB <0.05 %		20 Hz ÷ 20000 Hz >106 dB >106 dB <0.05 %	
9	13	5	9	5	9
8		4		4	
Euroblock, RCA		Euroblock, RCA		Euroblock, RCA	
1		5		1	
RCA		RCA		RCA	
S/PDIF	DANTE, S/PDIF	S/PDIF	DANTE, S/PDIF	S/PDIF	DANTE, S/PDIF
5		4		5	
Yes		Yes		Yes	
1		1		1	
RCA		RCA		RCA	
Euroblock		Euroblock		Euroblock	
5		5		5	
Yes		Yes		Yes	
Yes		Yes		Yes	
RDSpace		RDSpace		RDSpace	
Ethernet		Ethernet		Ethernet	
Yes		Yes		Yes	
Yes		Yes		Yes	
AMX, Crestron, Q-SYS, Symetrix, Control 4, RTI, Nice		AMX, Crestron, Q-SYS, Symetrix, Control 4, RTI, Nice		AMX, Crestron, Q-SYS, Symetrix, Control 4, RTI, Nice	
Forced		Forced		Forced	
Yes		Yes		Yes	
90-240 V~ 50/60Hz 300 W		90-240 V~ 50/60Hz 150 W		90-240 V~ 50/60Hz 75 W	
CE compliant, UL62368-1		CE compliant, UL62368-1		CE compliant, UL62368-1	
Metal		Metal		Metal	
19", 1U		1/2 19", 1U *		1/2 19", 1U *	
44 mm / 1.73 inches 483 mm / 19.02 inches 319 mm / 12.56 inches 3.8 kg / 8.38 lbs		44 mm / 1.73 inches 220 mm / 8.66 inches 319 mm / 12.56 inches 2.8 kg / 6.17 lbs		44 mm / 1.73 inches 220 mm / 8.66 inches 213 mm / 8.39 inches 2 kg / 4.41 lbs	
12100092	12100093	12100090	12100091	12100088	12100089
12100116	12100117	12100114	12100115	12100112	12100113

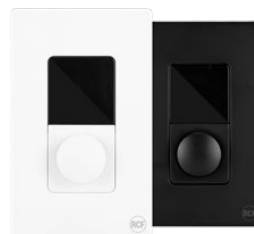


ACCESSORIES

ELECTRONICS

RC KPS US - W	12399117
Wall mount remote control.	
RC KPS US - B	12399116
Wall mount remote control.	
RC KPS EU - W	12399115
Wall mount remote control.	
RC KPS EU - B	12399114
Wall mount remote control.	

RC KPS US



RC KPS EU



RACK COMPONENT

RMK KPS	13360743
RMK KPS allows to install KPS amplifiers with 1/2 rack unit size into a standard 19" rack cabinet. The kit includes all those parts necessary to install one or two KPS units in the same rack slot.	
RRB KPS	13360746
RRB KPS offers a rear rack mount for KPS 1/2 rack unit amplifiers. It is particularly useful in all circumstances where absolute stability of the devices in the rack cabinet is required (e.g. during transport).	
WMK KPS	13360744
WMK KPS allows to install KPS amplifiers with 1/2 rack unit size on a wall, a ceiling or under a desk. It is particularly useful for distributed installation in complex environments.	







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