RCF offers modern sound reinforcement solutions for the market of professional users, consisting of innovative products that were engineered and manufactured to satisfy the needs of rental and production companies.

RDNet REMOTE MONITORING AND CONTROL SYSTEMS

RCF Sound Culture

AT RCF WE CARE ABOUT YOUR SOUND

Since 1949 RCF has been committed to the perfect reproduction and amplification of sound in the fields of professional audio for events, music, broadcast and public address. We bring typical Italian passion for perfection and good design in the world of professional audio. RCF researches and develops every product from scratch, to ensure the maximum quality and reliability to the final user. The complete range of products covers all the aspects of the audio chain and all the requirements of musicians, sound engineers, architects and system integrators.

RCF markets its products through sales offices in the United Kingdom, Germany, France, Spain, the United States, and a network of trusted professional distributors in the rest of the world.

RCF has always shared the knowledge, experience, and skills of its engineers in training activities, seminars, and demos for all audio professionals. At the same time, the internal support engineering team assists customers with the design of complex systems. The solid know-how, crafted from nearly 70 years of history, along with continuous technological innovation, makes RCF a fundamental reference for all audio professionals and enthusiasts.
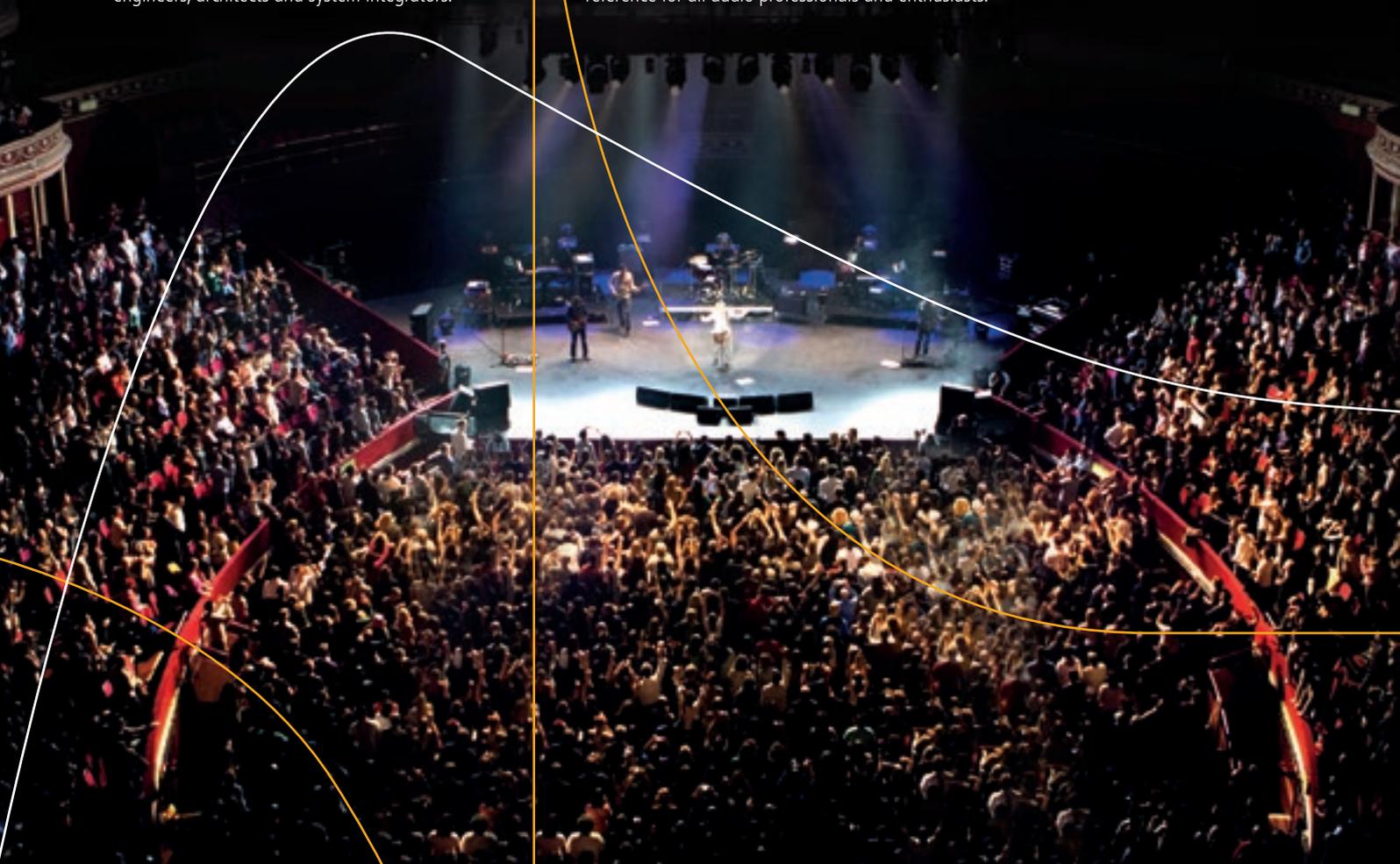
/ PRO SOUND

The concept behind our unique speaker design are derived from the touring industry, bringing in a versatile format all the experience of RCF professional sound engineers. The vocals are natural, the sound is clear at longer distances, and the SPL power is stable at very high levels. Perfect products for live sound reinforcement and reliable in various sound applications.

/ DSP

The new generation DSP handles all the processing within the cabinet and allows control of soft clipping limiters, RMS limits, amplitude and phase equalization. From the encoder on the input panel it is easy to adjust gain, low pass and high pass crossovers, delay, phase and cardioid equalization. Using the integrated RDNet remote control you can monitor and adjust all settings.

New perspective on linearity

FiRPHASE

RCF speakers are designed using a proprietary and advanced FiR filtering technology, conceived to deliver transparent sound, absolute clarity and perfect stereo images 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.

PHASE MATTERS

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.

FIR FILTER LENGTH

AMPLITUDE EQ

FREQUENCY RANGE

/ TRANSDUCER INNOVATORS

RCF designs all the transducers to deliver a definite and clear sound, where the loudspeaker is able to reproduce a sound as close to the original as possible, while combining the absence of distortion. RCF develops advanced transducer technology including the application of high-tech materials and built to withstand high power levels over a long period of time.

/ RENTAL PROOF HARDWARE

The cabinets are made with the highest quality materials. From wood, plastics and metal parts to the final texture, RCF offers the maximum reliability and strength for the intensive use on the road in every product. The integrated mechanics allow the system engineer to create any configuration easily and safely.

Monitoring And Management Network

RDNet is a proprietary protocol for RCF products that provides straightforward and intuitive monitoring and control of the audio system. Each device has it's own DSP, so it is possible to address specific presets or modifications of parameters to single or groups of objects. A network user can change level, delay, EQ (including FiR) and other parameters, including advanced subwoofer configurations. Not only loudspeakers: it is possible to control routing and parameters of multiple RCF devices, such as digital matrixes or amplifiers. RDNet checks all the connected devices, recognizes, and adds them as objects on the main window with the auto-scan function. The real-time monitoring features control a multitude of parameters such as fan speed, temperature, inclination of the single speaker, VU Meters and peak levels. The RDNet protocol runs on the ultra-stable RS-485 communication platform.

- Auto Scan
- Array and Zones Grouping
- Recall and Save System Presets
- Adjust gain and delay on individual components

- Complete Real Time Monitoring
- Real Time multiple-type EQ and FiRPHASE EQ
- Easy Cardioid, Endfire and Arc Array Subwoofer configuration
- Automatic Cluster Size shaping and Air Compensation

/ DOWNLOAD THE SOFTWARE

The RDNet software is available for free for registered users on RCF's website Download Section

/ AUTO SCAN

When online the RDNet Control 8 unit sequentially scans all audio devices, automatically labelling them with digital addresses. The loudspeaker objects are immediately added to the software synoptic as an object for each speaker (or any other audio device) found on the network.

MONITOR AND MANAGE

RDNet checks all the connected devices, recognizes and adds them as objects on the main window, with the auto scan function. The real-time monitoring features a multitude of parameters like the fan speed, the temperature, the inclination of the single loudspeaker, VU Meters and peak levels.

ADVANCED EQUALIZER

Every Zone has three different fixed FIR equalizers with gain control. Every Array Group has a global control of the FirPhase Gain for parallel increment/decrement of the Zone FIRs.

GET THE MOST OF YOUR SYSTEM

An incremental control to shape the Air Absorption Compensation, is very useful in case of humidity or temperature changes (e.g. soundcheck on a sunny day, concert by night). The low-mid shaping of the line array is an automatic calculation based on the Cluster Size to always obtain the perfect linear frequency response across the whole system.

EASY SUBWOOFER CONFIGURATION

The new subwoofer configurations help the engineer to set up subwoofer Cardioids, Arcs or EndFire configurations in one go.

/ COMPLETE INDIVIDUAL SPEAKER CONTROL

The sound engineer has complete control of every single speaker, individually or grouped. Each device, has its own built-in communication board and DSP. Each speaker is an active part of the brain of the system, able to store presets, receive commands and continuously send status information.

/ UNIQUE FEATURES

RDNet has several new functions as well as multiple improvements. The protocol is now faster than ever, the new subwoofer configurations help the engineer to set up subwoofer cardioid, arcs or endfire configurations quickly and easily. The real time EQ and the FiRPHASE filters are now easy to control on the same window. An Air Compensation function automatically adjust the array response on temperature/humidity changes on the environment.

50

HDL 50-A

ACTIVE THREE-WAY LINE ARRAY MODULE

The HDL 50-A is an active 3-way line array module for large events, indoors and outdoors. Equipped with 2x12″ woofers, 4x symmetrical 6.5″ midranges and two 2″ drivers, it offers excellent playback quality and high sound pressure levels with a built-in 4400W powerful digital amplifier. Using advanced neodymium magnets and a groundbreaking new housing constructed from lightweight plywood and polypropylene, it has a remarkably low weight of only 56 kg.

- 140 dB SPL Max
- 4400W peak 3-way Class-D switching amplifier
- 40 ÷ 20000 Hz Frequency Range
- 90° x 10° wide, constant directivity coverage angle
- 2 x 3" neodymium Compression Drivers
- 4 x 6" neodymium Midrange
- 2 x 12" high power neodymium Woofer
- 200-800 Hz Crossover Frequency
- Wooden-reinforced polypropylene composite cabinet
- FiRPHASE
- RDNet remote monitoring and control
- 366x1171x502 mm - 14.4x46.1x19.8 in (HxWxD)
- 56 kg - 123.45 lbs

/ CABINET

The HDL 50-A tour-grade system comes in a composite wooden-polypropylene enclosure, and is equipped with two aluminum side handles with rubber handgrips and two rear handles for portability.

/ FULLY INTEGRATED SYSTEM

The compact and lightweight design of the system combines with rugged steel mechanics for easy rigging and transportation.

MAXIMUM EFFICIENCY

The HDL 50-A is a true active high-power ready to use touring system. Equipped with a high-efficiency Class-D amplifier that delivers superior SPL, while reducing energy consumption. The integrated processing and cabling reduction makes the set-up fast and easy, while reducing space requirements during transport, due to it's compact size.

/ CONFIGURABLE MECHANICS

The integrated mechanics are both fast and reconfigurable, allowing the system engineer to create J-shaped and spiral arrays with 0.5° resolution. The heavy-duty front grille is powder coated.
A special transparent-to-sound foam backing inside helps to further protect the transducers from dust.

/ LOW FREQUENCIES

- 2 X 3.0"v.c. neodymium 12" Woofers
- Water resistant fiber doped cone
- Polycotton M-roll surround
- Hypervented magnetic structure

/ MID FREQUENCIES

- 4 x 2.0" v.c. 6.0"neo Midranges
- Water resistant fiber doped cone
- Polycotton M-roll surround
- High power magnetic structure

/ HIGH FREQUENCIES

The two ND850 large format compression drivers deliver one of the key advantages of the HDL 50-A. The 3.0" voice coil allows a crossover point of 800 Hz allowing the driver to produce almost all of the vocal range. This creates better coverage and superior efficiency.
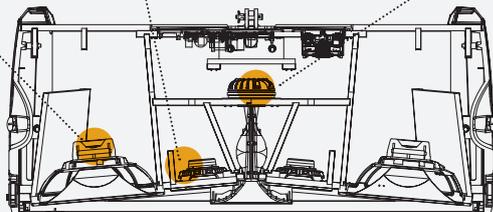
/ V-SHAPED SYMMETRICAL DESIGN

The symmetrical design of the HDL 50-A produces identical left and right coverage. The component positioning and special DSP crossover filtering of the cabinet takes care of the constant directivity without spots of break up or attenuation.
The originally designed V-SHAPED front baffle provides:
- Coplanar midranges and woofers
- Controlled LF dispersion
- Central space to host the HF guide.

4PATHWAVEGUIDE

The custom 4PATH designed waveguide allows a precise coverage of 90 x 10 degrees, while also delivering a superb, linear high frequency response. The unique shape of the four ducts forming the guide creates an ideal isophasic load from 800 Hz to the highest audible frequencies.

RDNET
ON BOARD

p.n. 130.00.477 (90-240V)

HDL 30-A

ACTIVE TWO-WAY LINE ARRAY MODULE

The RCF HDL 30-A is a compact bi-amped 2-way active touring system for medium to large events, both indoors and outdoors. It features two 10-inch woofers and an impressive 4-inch titanium compression driver. The time coherent waveguide is the result of in-depth research and design. HDL 30-A is the first line array in a composite cabinet with zero-degree phase and ultra-linear amplitude response. The built-in 2200 Watt Class-D amplifier delivers excellent playback clarity and up to 137 dB SPL max. The RCF HDL 30-A features state-of-the-art RCF transducers with neodymium magnets. Considering its acoustical power, it has a remarkably low weight for easy handling and flying.

RCF's experienced engineering teams have developed and matched each component starting from the amplifier design, including a dedicated input board, from transducers right up to the complete HDL 30-A system. All HDL 30-A systems are hand-crafted by RCF.

/ RDNet INSIDE

RDNet Network Monitoring and Control, gives the system engineer the ability to carry out many system functions.

- 137 dB SPL Max
- 2200W peak 2-way Class-D switching amplifier
- 50 ÷ 20000 Hz Frequency Range
- 100° x 15° wide, constant directivity coverage angle
- 1 x 4" neodymium Compression Drivers
- 2 x 10" high power neodymium Woofer
- 680 Hz Crossover Frequency
- FiRPHASE
- RDNet remote monitoring and control
- 293x705x502 mm - 11.5x27.7x19.7 in (HxWxD)
- 25 kg - 55.1 lbs

" a lightweight champion with an impressive punch! "
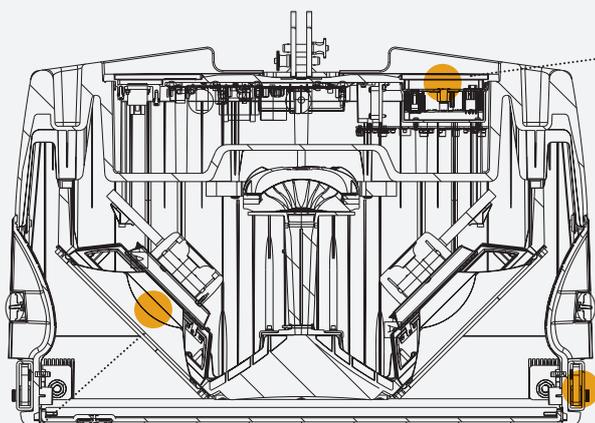
/ DSP
FiRPHASE filters allow coherent distribution of sound to be achieved for all listeners without phase distortion. Air Compensation for individual cabinets or groups helps to compensate the common frequency loss in air on long throw applications.

/ MECHANICS
High strength enclosure in composite polypropylene with a revolutionary new rigging concept inspired by its counter part: the RCF HDL 50-A. Given its acoustical power, it has a remarkably low weight for easy handling and flying.

/ TRANSDUCERS
State of the art RCF transducers with neodymium magnets. Two 10" woofers and an impressive 4" titanium compression driver on a symmetrical design, for constant horizontal coverage.

RDNET ON BOARD

p.n. 130.00.511 (90-240V)

ADVANTAGES
- High Power
- Low Weight
- Symmetrical acoustic design
- RDNet remote control and monitoring
- Air Compensation
- Easy to stack and fly

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HDL 28-A

ACTIVE TWO-WAY LINE ARRAY MODULE

The RDNet management network has been introduced to the new HDL 28-A. Because the woofer is a 2 x 8" device, with 2.5" voice coil and a 2200W Class-D amplifier, it is capable of far more bottom end for a wide range of applications, both indoors and outdoors, with an emphasis on vocal intelligibility. The proprietary 4 PATH waveguide paired with a 3-inch titanium compression driver creates precise coverage of 100 x 15 degrees and constant directivity without sign of break up or attenuation from 750 Hz. The symmetrical design of the cabinet delivers identical left and right coverage, FiRPHASE zero-degree phase processing, and ultra-linear amplitude response produce excellent playback clarity up to 135 decibel SPL max. The RCF HDL 28-A features state-of-the-art RCF transducers with lightweight neodymium magnets on a composite material cabinet, providing remarkably low weight for easy handling and flying.

ADVANTAGES

- High Power
- Low Weight
- Symmetrical acoustic design
- RDNet remote control and monitoring
- Emphasis on vocal intelligibility
- Easy to stack and fly

/ THE ACOUSTIC BEAUTY OF THE SYMMETRY
The symmetrical design of the cabinet produces identical left and right coverage. The component positioning and special DSP crossover filtering of the HDL 28-A take care of the constant directivity without spots of break up or attenuation. The specially-designed front baffle provides coplanar woofers, controlled LF dispersion and a central space to host the 4PATH waveguide. The heavy-duty front grille is powder coated with a special transparent-to-sound foam backing inside helps to further protect the transducers from dust. A rain cover is also available.

- 135 dB SPL Max
- 2200W peak 2-way Class-D switching amplifier
- 50 ÷ 20000 Hz Frequency Range
- 100° x 15° wide, constant directivity coverage angle
- 3.0" diaphragm titanium compression driver
- 2 x 8" high power neodymium Woofer
- 750 Hz Crossover Frequency
- FiRPHASE
- RDNet remote monitoring and control
- 294x569x491 mm - 11.57x22.4x19.33 in (HxWxD)
- 21 kg - 46.3 lbs

" superior
vocal clarity "

/ FIRST CLASS TRANSDUCERS

The RCF HDL 28-A features state-of-the-art RCF transducers with neodymium magnets. RCF's experienced engineering teams have specially developed and matched each component — starting from the power supply through the input board, to the amplifiers and transducers, right up to the complete HDL 28-A System.
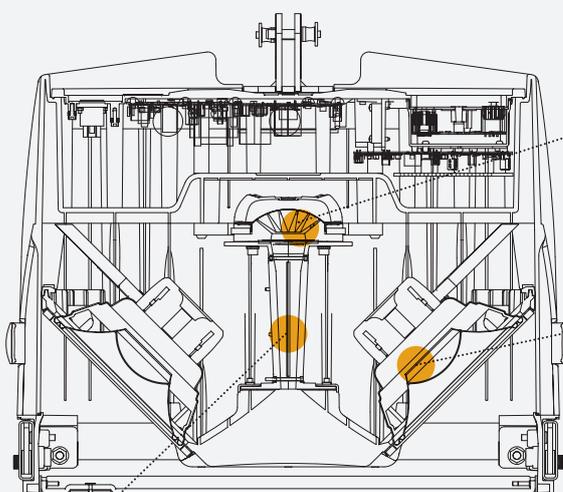
/ HIGH FREQUENCIES
- High-performance RCF ND840
- 3.0-inch diaphragm titanium compression Driver
- 1.4-inch exit throat
- 750 Hz Crossover Point

/ LOW FREQUENCIES
- 2 X 2.5" voice coil neodymium 8" Woofers
- Linear low frequencies handling down to 65 Hz
- Water resistant fiber doped cone
- Polycotton M-roll surround
- Vented magnetic structure

The custom 4 PATH-designed waveguide allows precise coverage of 100 x 15 degrees, while also delivering an excellent, linear high-frequency response. The unique shape of the four ducts forming the guide creates an ideal isophasic load from 750 Hz to the highest audible frequencies.

4 PATH WAVEGUIDE

RDNET ON BOARD

p.n. 130.00.579 (90-240V) BLACK
p.n. 130.00.605 (90-240V) WHITE

/ FLYING ATTITUDE

The advanced rigging concept derives directly from its big brothers: the RCF HDL 30-A and HDL 50-A. The integrated mechanics are both fast and reconfigurable, allowing the system engineer to create J-shapes and spiral arrays. The hardware is designed for easy and fast setup. The angle can be adjusted on the ground before the system is hung and slipped automatically into the correct position as the array is pulled up. Up to 20 HDL 28-A modules can be fastened on a single flybar.

HDL 26-A

ACTIVE TWO-WAY LINE ARRAY MODULE

The RCF HDL26-A is an ultra-compact bi-amped 2-way active touring system for small and medium-sized events, both indoors and outdoors. Because of the advanced transducers' design and the 2000W Class-D amplifier, among the best in its class, it is capable of extended bottom end and a pristine sound for a wide range of applications, alone or in a line-array configuration. It features two 6-inch woofers and an impressive 3-inch titanium compression driver. Following the HDL 30-A philosophy, the HDL 26-A shares the RDNet management network, the composite material cabinet, the zero-degree phase, and ultra-linear amplitude response. The proprietary 4PATH waveguide and the impressive 3-inch titanium compression driver create a precise coverage of 100 x 10 degrees and constant directivity without break up or attenuation from 750 Hz. The symmetrical design of the cabinet delivers identical left and right coverage producing excellent playback clarity up to 133 decibel SPL max.
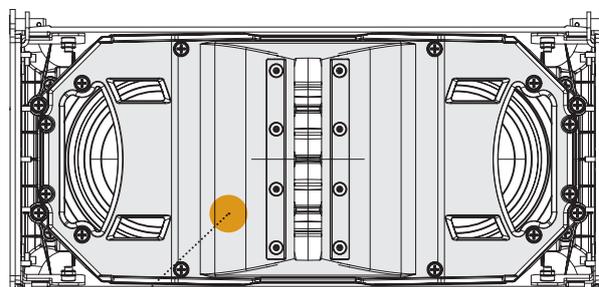
The frontal baffle's design increases the directivity of the line array doubling the radiation points on low/mid frequencies. The shape of the front baffle reduces the turbulence outside the waveguide decreasing the overall distortion.

/ CABINET & MECHANICS

The hardware is designed for an easy and fast setup. The angle can be adjusted on the ground before hand, and slip automatically into the correct position when pulling up the array. Up to 20 HDL 26-A modules can be fastened on a single flybar. The heavy-duty front grille is powder coated. A special transparent-to-sound foam backing inside helps to further protect the transducers from dust. A rain cover is also available.

- 133 dB SPL Max
- 2000W peak 2-way Class-D switching amplifier
- 50 ÷ 20000 Hz Frequency Range
- 100° x 10° wide, constant directivity coverage angle
- 1.4" Titanium Compression Driver, 3.0" voice coil
- 2 x 6" Neodymium Woofers, 2.0" voice coil
- 750 Hz Crossover Frequency
- FiRPHASE
- RDNet remote monitoring and control
- 237x470x377 mm - 9.33x18.5x14.84 in (HxWxD)
- 13.5 kg - 29.76 lbs

*" compact size with
a shocking sound "*

INSIDE VIEW

/ FIRST CLASS TRANSDUCERS

The RCF HDL 26-A features state-of-the-art RCF transducers with neodymium magnets. RCF's experienced engineering teams have specially developed and matched each component — starting from the power supply through the input board, to the amplifiers and transducers, right up to the complete HDL 26-A System.

4 PATH WAVEGUIDE

The custom designed 4 PATH waveguide allows a precise coverage of 100 x 10 degrees, while also delivering an excellent, linear high-frequency response. The unique shape of the four ducts forming the guide creates an ideal isophasic load from 750 Hz to the highest audible frequencies.

/ HIGH FREQUENCIES

- 3.0-inch diaphragm titanium compression Driver
- 1.4-inch exit throat
- 750 Hz Crossover Point
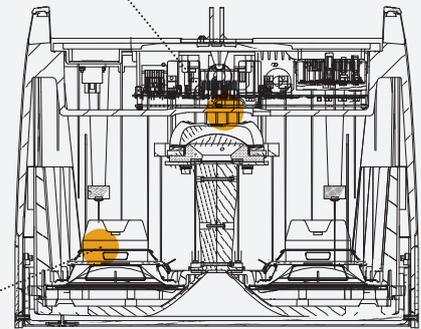
/ LOW FREQUENCIES 6.0" WOOFERS

- 2 X 2.0"voice coil neodymium 6" Woofers
- Low frequencies handling down to 65 Hz
- Water resistant fibre doped cone
- Polycotton M-roll surround

RDNET
ON BOARD

p.n. 130.00.588 (90-240V) BLACK
p.n. 130.00.606 (90-240V) WHITE

/ SYMMETRICAL DESIGN

The symmetrical design of the cabinet produces identical left and right coverage of 100°x10°. The component positioning and special DSP crossover filtering of the HDL 26-A take care of the constant directivity without spots of break up or attenuation. The front baffle provides:
Coplanar woofers - Controlled LF dispersion - Central space to host the HF waveguide

FLYABLE SUBWOOFERS

HDL 53-AS

ACTIVE FLYABLE HIGH POWER BASS MODULE

The **HDL 53-AS is the perfect extension to HDL 50-A**. This 3x12" subwoofer comes in the same housing of the HDL 50-A and allows perfect integration in the array shape: flown above HDL 50-A in one array or as separate Sub-Array behind HDL 50-A array with the same shape to allow cardioid dispersion in a wide-low and low-mid range to keep the stage clean from feedback.

/ HIGH POWER WOOFERS

- 3 X 3.0" voice coil neodymium 12" Woofers
- Water-resistant fibre doped cone
- Polycotton M-roll surround
- Hypervented neodymium magnetic structure

/ TOUR GRADE CABINET

The HDL 53-AS tour grade system comes in a composite wooden-polypropylene enclosure, and is equipped with two aluminium side handles with rubber handgrips and two rear handles for portability. The integrated mechanics are both fast and reconfigurable, allowing the system engineer to create J-shaped and spiral arrays with 0.5° resolution. The heavy-duty front grille is powder coated. A special transparent-to-sound foam backing inside helps to further protect the transducers from dust.

RDNET ON BOARD

p.n. 130.00.508 (90-240V)

/ ADVANCED PROCESSING

A 32-bit floating-point DSP processing manages:
- System's crossover and transducers' alignment
- Programmable system's equalization
- Input sensitivity reduction
- Soft limiter and gentle compressor for high signal inputs
- RMS current monitoring and transducer protection

A specially developed algorithm takes care of the frequency-dependent soft limiter, offering the listener the same system linearity, from very low-level signals to the maximum amplifier output.

- 139 dB SPL Max
- 3300W peak 3-way Class-D switching amplifier
- 35 ÷ 120 Hz Frequency Range
- 3 x 12" high power Woofer
- Selectable Crossover Frequency
- Wooden reinforced polypropylene composite cabinet
- FiRPHASE
- RDNet remote monitoring and control
- 366x1171x502 mm - 14.4x46.1x19.8 in (HxWxD)
- 50 kg - 110.23 lbs

HDL 38-AS

ACTIVE FLYABLE SUBWOOFER MODULE

The **HDL 38-AS is the ideal flyable bass complement for the HDL 30-A** array system. It features one 4.0″ voice coil, 18″ Neodymium woofer to handle 136 dB SPL Max from 30 Hz to 140 Hz with maximum linearity and low distortion. The HDL 38-AS is perfect to create flown systems for theatrical and indoor venues. The built-in 3200W Class-D amplifier delivers excellent playback clarity and up to 136 decibels SPL max. With RDNet compatibility, the HDL 38-AS is part of the professional HDL System.

/ POWERFUL CLASS D AMPLIFIERS

RCF's Class-D power amplifier technology packs high efficiency into a lightweight solution. HDL amplifiers deliver a ultra-fast attack, realistic transient response, and impressive audio performance. The amplifier features a solid machined aluminium structure which not only stabilizes the amplifier during transportation but also helps with heat dissipation. All the HDL amplifiers present SMPS power supply section to produce maximum output and minimum weight. The HDL 38-AS incorporates the RDNet Network Management System.

/ 18" PRECISION TRANSDUCER

Our latest developments have resulted in designing state-of-the-art neodymium magnetic circuits, radically new voice coil ventilation systems and ground breaking direct drive voice coil assemblies.

RDNET ON BOARD

p.n. 130.00.580 (90-240V)

- 136 dB SPL Max
- 3200W Class-D Amplifier
- 30 ÷ 140 Hz Frequency Range
- 18" Neodymium Woofer, 4.0" voice coil
- RDNet Networked Management
- 502x700x621 mm
  19.76x27.56x24.45 in (HxWxD)
- 48.7 kg - 107.35 lbs

HDL
FLYABLE SUBWOOFERS

HDL 36-AS
ACTIVE FLYABLE SUBWOOFER MODULE

Theatrical and indoor requirements often need space in front of the stage, leaving no space for subwoofers. The **HDL 36-AS is the ideal flyable bass complement for the HDL 28-A array system**. It features one 4.0″ voice coil, 15″ Neodymium woofer to handle 135 dB SPL Max from 40 Hz to 140 Hz with maximum linearity and low distortion. The built-in 3200 Watt Class-D amplifier delivers excellent playback clarity and up to 135 decibels SPL max. With RDNet compatibility, the HDL 36-AS is part of the professional HDL System.

/ POWERFUL CLASS D AMPLIFIERS

RCF's Class-D power amplifier technology packs with high-efficiency into a lightweight solution. HDL amplifiers deliver a ultra-fast attack, realistic transient response, and impressive audio performance. The amplifier features a solid machined aluminium structure which not only stabilizes the amplifier during transportation but also helps the fan-less heat dissipation. All the HDL amplifiers present SMPS power supply section to produce maximum output and minimum weight.

/ LEGENDARY WOOFERS

RCF subwoofers are the first choice of many sound engineers, due to the very high SPL levels at very low frequencies, smaller dimensions compared to the competitors, self-powered design, RDNet remote control, cardioid configuration options and impressive size/weight to SPL output ratio. Your audience will enjoy an engaging immersive experience.

The hardware is designed for an easy and fast setup, completely compatibile with HDL 28-A rigging. The heavy-duty front grille is powder coated. A special transparent-to-sound foam backing inside helps to further protect the transducers from dust. A rain cover is also available.

RDNET ON BOARD

p.n. 130.00.583 (90-240V)

- 135 dB Max SPL
- 3200W Amplifier
- 40 ÷ 140 Hz frequency response
- 15" Neodymium Woofer, 4.0" voice coil
- RDNet Networked Management
- 458x569x592 mm - 18x22.4x23.31 in (HxWxD)
- 37 kg - 81.57 lbs

HDL 35-AS
ACTIVE FLYABLE SUBWOOFER MODULE

While the HDL 26-A is designed for the best speech intelligibility and background music, a correct musical response requires low distortion and high power on low frequencies. The **HDL 35-AS is the ideal flyable bass complement for the HDL 26-A array system**. It features a baltic birch plywood cabinet housing one 4.0" voice coil, 15" Neodymium woofer to handle frequencies from 40 Hz to 140 Hz with the maximum linearity and lowest distortion.

The hardware is designed for an easy and fast setup, completely compatibile with HDL 26-A rigging. The heavy-duty front grille is powder coated. A special transparent-to-sound foam backing inside helps to further protect the transducers from dust. A rain cover is also available.

/ POWERFUL CLASS D AMPLIFIER

RCF's Class-D power amplifier technology packs with high-efficiency into a lightweight solution. HDL amplifiers deliver a ultra-fast attack, realistic transient response, and impressive audio performance. The amplifier features a solid machined aluminium structure which not only stabilizes the amplifier during transportation but also helps the fan-less heat dissipation. All the HDL amplifiers present SMPS power supply section to produce maximum output and minimum weight.

/ PRECISION TRANSDUCERS

Our latest developments have resulted in designing state-of-the-art neodymium magnetic circuits, radically new voice coil ventilation systems and ground breaking direct drive voice coil assemblies.

RDNET ON BOARD

p.n. 130.00.575 (90-240V)

- 134 dB Max SPL
- 2200W Amplifier
- 40 ÷ 140 Hz frequency response
- 1x15" Neodymium Woofer, 4.0" voice coil
- RDNet Networked Management
- 440x470x508 mm - 17.32x18.5x20 in (HxWxD)
- 30 kg - 66.14 lbs

SUBWOOFERS

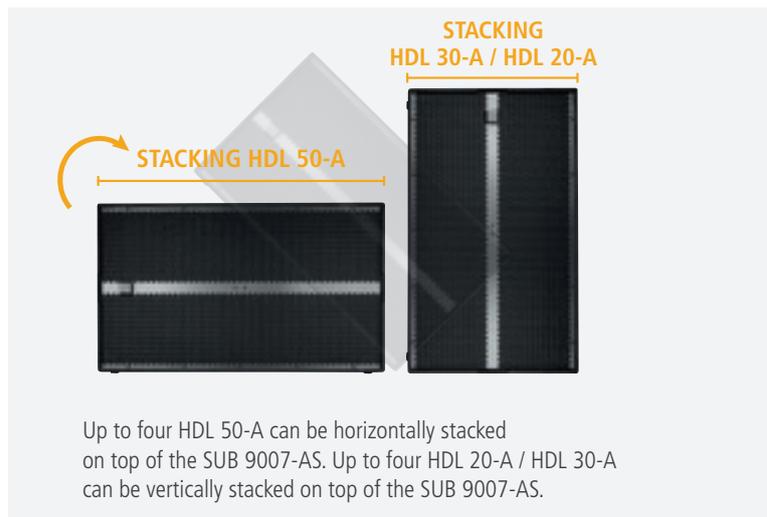## SUB 9007-AS
ACTIVE HIGH POWER SUBWOOFER

The SUB 9007-AS is one of the most powerful 2x21" subwoofers in the field of live sound. Featuring two, high-power, hyper-vented 21" neodymium woofers with 4.0" inside-outside voice coils, this cabinet delivers serious low frequencies. Powered by a 7200W digital amplifier, the SUB 9007-AS can perform in the most demanding situations. The housing of the SUB 9007-AS matches the RCF D-Line HDL 50-A and HD L20-A array systems, enabling stacked systems to match in a perfect combination.

/ INDEPENDENT AMPLIFICATION CHANNELS
Two separate Class-D amplifiers ensure top efficiency and maximum reliability for an extensive use of the subwoofer during tours. Each amplifier delivers 3600 W to the 21" woofers and the regulated power supply guarantees full power from 100 V to 260 V. The amplifier is housed on a unique Vibrostop floating aluminum panel for extra protection during transportation.

/ HEAVILY BRACED PLYWOOD CABINET
The cabinet is made of high-quality birch plywood with every layer glued with a special water resistant adhesive that makes the cabinet weatherproof. The heavily braced internal structure of the cabinet survives long-term use transportation and presents two separate acoustic chambers for the woofers with separate housing for the amplifier guarantees the cabinets efficiency and reliability. The heavy-duty front grille integrates a central reinforcement bar and is powder coated. The SUB 9007-AS is equipped with 8 aluminum handles (4 per side) with ergonomic rubber handgrips and can be equipped with transportation wheels.

STACKING HDL 30-A / HDL 20-A

STACKING HDL 50-A

Up to four HDL 50-A can be horizontally stacked on top of the SUB 9007-AS. Up to four HDL 20-A / HDL 30-A can be vertically stacked on top of the SUB 9007-AS.

p.n. 130.00.493 (90-240 V)

RDNET ON BOARD

" true power
and accuracy "

/ HYPERVENTED HIGH POWER NEODYMIUM WOOFERS

Custom designed 21" transducers joins the ultimate power performance to the incredibly lightweight.

RCF designs these components to deliver the cleanest, punchiest and undistorted low frequencies for the best sound reproduction. In order to dissipate the heat generated by the powerful 4.0" voice coil, RCF engineers have developed a unique ventilation system that offers the best thermal dissipation and the lowest power compression.

The Hyper Ventilation System is the result of a complex combination of ventilation ducts in the voice coil former, in the magnetic structure and in the woofer basket.

/ DSP PROCESSING

A new generation DSP handles all the processing within the cabinet and allows control of soft clipping limiters, RMS limits, amplitude and phase equalization. From the enconder on the input panel users can adjust gain, low pass and high pass crossovers, delay, polarity and cardioid equalization. Users can access these setting via integrated RDNet remote control.

/ STACKING CONFIGURATIONS

Stack your HDL 10-A, HDL 20-A, HDL 30-A or NXL 23-A on subwoofers to create many custom configurations. Up to four HDL 50-A can be horizontally stacked on top of the SUB 9007-AS. Up to four HDL 20-A / HDL 30-A HDL can be vertically stacked on top of the SUB 9007-AS.

- 141 dB SPL Max
- 7200W
- 20 ÷ 400 Hz Frequency Range
- 2 x 21" Hyper Ventilation neodymium Subwoofer
- DSP Controlled Input Section with selectable presets
- RDNet remote monitoring and control
- Delay Control
- Baltic Birch tour grade cabinet
- 708x1188x785 mm - 27.87x46.77x30.91 in (HxWxD)
- 96 kg - 211.64 lbs

SUBWOOFERS

SUB 9006-AS
ACTIVE HIGH POWER SUBWOOFER

The SUB 9006-AS has been designed to render effortless low frequency transients with a very fast response. As a self-powered system, the transducers, amplification and DSP control electronics of the SUB 9006-AS are designed to optimize performance and maximize power. The SUB 9006-AS's low tuned cabinet houses two RCF Precision new back-vented long-excursion high-power 18" inch cone drivers, providing a fast and controlled reproduction of the bass frequency range. It features a four-layer 4" inside/outside voice coil to minimize power compression and extend the life of this product.

/ HEAVY DUTY CABINET
The cabinet is in made of high-quality birch plywood with every layer glued with a special water resistant adhesive that makes the cabinet weatherproof. The heavy-duty front grille integrates a central reinforcement bar and is powder coated. The SUB 9006-AS is equipped with 8 aluminum handles (4 per side) with ergonomic rubber handgrip and can be equipped with transportation front cart.
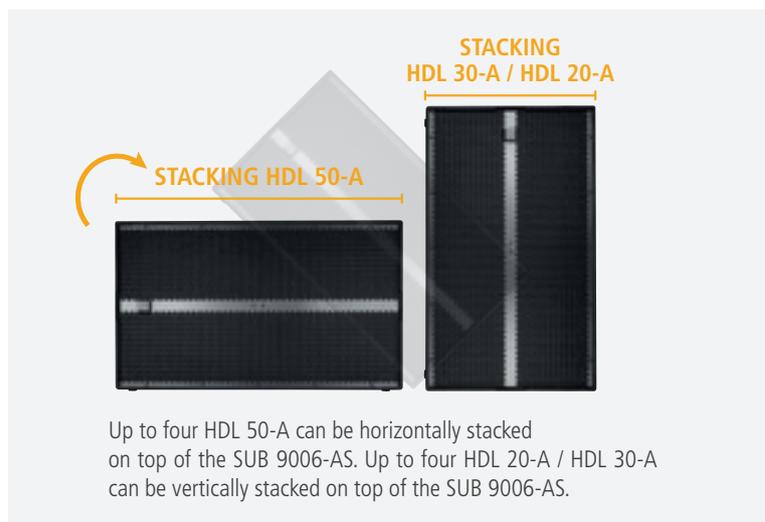
/ TWO INDEPENDENT CHANNELS
Two separate Class-D amplifiers ensure top efficiency levels and maximum reliability for an extensive use of the subwoofer during tours. Each amplifier delivers 3600W to the 18" woofers and the regulated power supply guarantees full power from 100V to 260V.

/ LOCKING POINTS
The front of the cabinet integrates two locking points to insert and fix the wood protection cover that designed to protect the subwoofer during transportation. The accessory is made in strong Baltic birch plywood finished with a scratch resistant paint and can be left on even when using the TTS 56-A protection cover.

CUSTOM HIGH POWER NEODYMIUM WOOFERS
The new custom designed 18" transducers join the ultimate power performance to an incredible light weight. RCF manufacture these components to deliver the cleanest, punchiest and undistorted low frequencies reproduction. In order to dissipate the heat generated by the powerful 4.0" voice coil, RCF engineers have developed a unique ventilation system that offers the best thermal dissipation and the lowest power compression.

STACKING HDL 30-A / HDL 20-A

STACKING HDL 50-A

Up to four HDL 50-A can be horizontally stacked on top of the SUB 9006-AS. Up to four HDL 20-A / HDL 30-A can be vertically stacked on top of the SUB 9006-AS.

RDNET ON BOARD

- 142 dB SPL Max
- 7200W
- 30 ÷ 400 Hz Frequency Range
- 2 x 18" Hyper Ventilation neodymium Subwoofer
- DSP Controlled Input Section with selectable presets
- RDNet remote monitoring and control
- Delay Control
- Baltic Birch tour grade cabinet
- 558x1188x785 mm - 22.0x46.8x30.9 in (HxWxD)
- 86 kg - 189.59 lbs

p.n. 130.00.494 (90-240 V)

SUB 9004-AS
ACTIVE HIGH POWER SUBWOOFER

The SUB 9004-AS is a single 18" high power active subwoofer. It employs a state-of-the-art transducer featuring a hypervented high power neodymium magnetic circuit with 4" voice coil. The extremely high-power amplifier is a new design that delivers extended low frequency performance. Ruggedly-designed, is perfect for AV rental companies.

STACKING HDL 30-A, HDL 28-A OR HDL 10-A

Up to four HDL 30-A can be horizontally stacked on top of the SUB 9004-AS.

Up to four HDL 10-A / HDL 28-A can be vertically stacked on top of the SUB 9004-AS.

HDL 10-A
HDL 28-A   HDL 30-A

Sophisticated DSP is at the core of a fully-featured input section, providing user selectable cross-over functionality, polarity optimization, protection, dynamic limiting and discrete component optimization.

/ PLYWOOD CABINET

The cabinet is made of high-quality birch plywood. Every layer is glued with a special water resistant adhesive that makes the cabinet weatherproof. The subs are stackable and light-weight, for easy set-up and tear down. A pole receptacle on top and side allows the woofer to be deployed in various configurations.
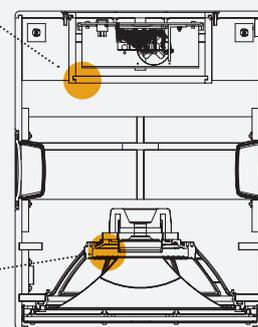
/ HYPERVENTED HIGH-POWER NEODYMIUM WOOFER

The new custom-designed 18" transducer combines power and performance with an incredibly light weight enclosure. In order to dissipate the heat generated by the powerful 4.0" voice coil, RCF engineers have developed a unique ventilation system that offers the best thermal dissipation and the lowest power compression.

RDNET ON BOARD

- 136 dB SPL Max
- 2800W power rating
- 30 ÷ 400 Hz Frequency Range
- 1 x 18" Hyper Ventilation Neodymium Subwoofer
- DSP Controlled Input Section with selectable presets
- RDNet remote monitoring and control
- Delay Control
- Baltic Birch Cabinet
- 700x558x700 mm - 27.56x21.97x27.56 in (HxWxD)
- 57 kg - 125.6 lbs

p.n. 130.00.546 (90-240 V)

CONTROL

CONTROL 8
8 OUTPUT Ethernet/USB MASTER UNIT

The RDNet Control 8 is a real-time monitor and control system able to manage up to 256 devices linked 32 per bus on 8 buses. All data is collected from the slaves are delivered to the sound engineer by USB in a local installation or by Ethernet from remote locations. The interface can be directly connected to the DSP on board of HDL products through the exclusive RDNet protocol to address single cabinets or groups, specific presets or modification parameters in real-time. RDNet software supports up to 20 CONTROL 8, all simultaneously linked to a computer via Ethernet, to get up to 160 RDNet ports (up to 5120 devices).

/ CONTROL FLEXIBILITY
The PC cyclically requires the RDNet Control 8 unit the operating state of audio devices that make up the communication network. All data is collected by the central unit that performs a sequential scan of all audio devices. Digital address allocation is automatic. It is possible to check each single audio device and edit its parameters (e.g. output level, mute, equalization, delay, etc.) by using the PC software. The audio device overall configuration can be saved as file in the PC and later reloaded. It is possible to synchronize all parameter values of the RDNet Control 8 unit to the ones of the PC software preset.

/ COMMUNICATION FLEXIBILITY
The link between the PC and the RDNet Control 8 unit can be made through USB port or Ethernet port.

/ TOPOLOGY FLEXIBILITY
The RDNet Control 8 unit can manage up to 8 subnets. Up to 32 audio devices can be connected to each subnet (8 subnets x 32 = total 256 audio devices).

p.n. 171.70.154

- RDNet control and monitoring in a single device by Ethernet or USB
- Up to 8 subnet of up to 32 slaves devices
- Automatic network configuration and registration
- Slave devices status and functions real time control
- Monitoring and display of faults and warnings
- User configurations storage and recall

" control 8 manages up to 256 devices "

CONTROL 2
2 OUTPUT USB MASTER UNIT

The RDNet Control 2 is a hardware interface that connects RCF RDNet compatible devices (TTL 55-A, TTL 33-A II, etc.) to a Personal Computer (PC) via a USB connection. The RDNet system was developed to create a data network for monitoring and command of more systems. The RDNet Control 2 unit can manage up to 2 subnets. Up to 32 devices can be connected to each subnet (2 subnets x 32 = total 64 devices). By addressing the various devices is handled automatically by RDNet Control 2 interface, each device is assigned a unique address during the power on procedure of network.

We have developed a dedicated networking board for the latest TT+ products. Using our proprietary RDNet protocol users can monitor all system parameters, from the input to the status of each single amplifier. Having a DSP on board each cabinet, users can also address single cabinets or groups of cabinets' specific presets or modifications of parameters like gain, equalization or delay. The RDNet protocol is based on a stable, RS-485 communication protocol, and can send and receive data on a simple XLR cable.

p.n. 171.70.163 (USB POWERED)

- RDNet control and monitoring in a single device by USB communication
- Up to 2 subnet of up to 32 slaves devices
- Automatic network configuration and registration
- Slave devices status and functions real time control
- Monitoring and display of faults and warnings sent from slave devices
- User configurations storage and recall

" full control from a pocket size device "

20

HDL 20-A

ACTIVE TWO-WAY LINE ARRAY MODULE

The careful acoustic research, no compromise transducers and a unique, composite cabinet design, make the HDL 20-A the preferred audio tool of many professionals. Perfect in live sound reinforcement and reliable installed situations.

The HDL 20-A is the ideal choice when line array performance is needed and a fast and easy set up is a must. The system is powered from a 1400 Watt Peak Power 2-way digital amplifier, sound is processed from a powerful DSP. The processing includes cluster and HF projection correction and special new presets for indoor and high curving situations. The system features state-of-the-art RCF transducers, two powerful 10" for a solid bass reproduction and a large format 3" voice coil compression driver to deliver vocal clarity and high definition with incredible dynamics.

p.n. 130.40.007 (220-240V) - 130.40.008 (115V)

DSP PROCESSING
The HDL 20-A is powered by a 1400W peak power two-way digital amplifier. A new generation DSP handles all the processing within the cabinet and allows adjustment of cluster size and HF projection. The DSP also includes presets for indoor/outdoor usage and highly curved arrays.

- 135 dB max SPL
- 1400W two-way Class-D switching amplifier
- 55 ÷ 20000 Hz Frequency Range
- 100° x 15° wide, constant directivity coverage angle
- 3.0" voice coil c. driver
- 2 x high power 10" Woofers
- 48 kHz, 32 bit DSP processing
- Symmetrical design
- 294x705x445 mm - 11.5x27.7x17.5 in (HxWxD)
- Extremely low weight 30.2 kg - 66.58 lbs

/ HIGH FREQUENCIES

The CD 850 large format compression driver delivers one of the key advantages of the HDL 20-A. The 3″ voice coil allows a crossover point of 800Hz and therefore almost all of the vocal range can be produced by this driver. This allows better coverage and dispersion control and superior efficiency.
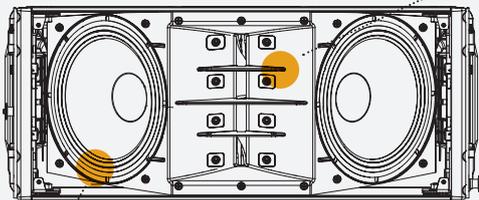
/ LOW FREQUENCIES 10″ WOOFERS

- 2,5″ Inside-Outside voice coil
- Water resistant fibre doped cone
- Polycotton M-roll surround
- High-power magnetic structure

The custom designed waveguide allows a precise coverage of 100 x 15 degrees, while also delivering a superb,linear high-frequency response.

FLYABLE MATCHED SUBWOOFER

HDL 18-AS

ACTIVE FLYABLE HIGH POWER SUBWOOFER

p.n. 130.40.009 (220-240V) - 130.40.010 (115V)

The bass reflex design guarantees a deep, linear power response while the 4″ voice coil vented woofer design offers the minimum of power compression. The system provides integrated mechanics compatible with the HDL 20-A array module.
The HDL 18-AS is a compact, flyable high-power subwoofer, designed to integrate seemlessly into a HDL 20-A flown array.

- 135 dB max SPL
- 2000W Class-D switching amplifier
- 30 ÷ 140 Hz Frequency Range
- 1 x high power 18″ Woofer
- 48 kHz, 32 bit DSP processing
- Designed to compliment the HDL 20-A speaker system
- 512x700x620 mm - 20.1x27.5x24.4 in (HxWxD)
- Extremely low weight 53 kg - 116.84 lbs

10
HDL 10-A

ACTIVE TWO-WAY LINE ARRAY MODULE

The very compact size, no compromise transducers and a unique composite cabinet design make the HDL 10-A the perfect audio tool in many situations. Ideal for live sound reinforcement and reliable installed applications, the HDL 10-A is an excellent choice when line array performance is needed and a fast and easy set up is a must. The system is powered by a 1400 Watt Peak Power 2-way digital amplifier, sound is processed with a powerful DSP.

- 133 dB max SPL
- 1400W two-way Class-D switching amplifier
- 65 ÷ 20000 Hz Frequency Range
- 100° x 15° wide, constant directivity coverage angle
- 2.5" voice coil c. driver
- 2 x high power 8.0" Woofers
- 48 kHz, 32 bit DSP processing
- Symmetrical design
- 294x569x434 mm - 11.5x22.4x17.0 in (HxWxD)
- Extremely low weight 20.4 kg - 44.97 lbs

The integrated mechanics are both fast and reconfigurable, allowing the system engineer to create J-shaped or spiral arrays.
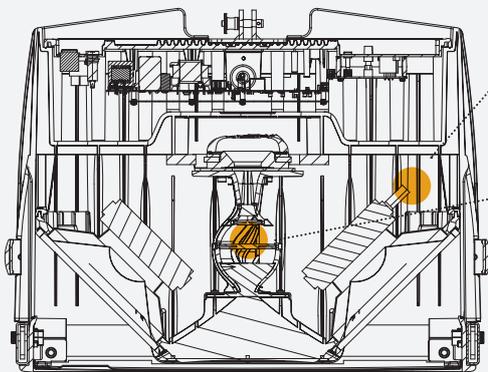
p.n. 130.40.016 (220-240V) - 130.40.017(115V) BLACK
p.n. 130.40.022 (220-240V) - 130.40.023 (115V) WHITE

INTEGRATED MECHANICS

The integrated mechanics are both fast and reconfigurable, allowing the system engineer to create J-shaped or spiral arrays.

" *your voice, louder* "

With its large format compression driver on a waveguide, the HDL 10-A offers superior intelligibility over distance.

/ LOW FREQUENCIES 8.0" WOOFERS
- -2,0" Voice coil
- Water resistant fibre doped cone
- Polycotton M-roll surround
- High-power magnetic structure

/ HIGH FREQUENCIES
The ND640 large format compression driver is one of the key advantages of the HDL 10-A, the 2.5" voice coil allows a crossover point of 800Hz and therefore almost all the vocal range can be produced by this driver. This allows better coverage, dispersion control and superior efficiency.

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p.n. 130.40.020 (220-240V) - 130.40.021 (115V)

The bass reflex design guarantees a deep, linear power response while the 3.5" voice coil vented woofer design offers the minimum of power compression. The system provides integrated mechanics compatible with the HDL 10-A array module.
The HDL15-AS is a compact, flyable high-power subwoofer, designed to integrate seemlessly into a HDL 10-A flown array.

FLYABLE MATCHED SUBWOOFER

HDL 15-AS
ACTIVE FLYABLE HIGH POWER SUBWOOFER

- 133 dB max SPL
- 2000W two-way Class-D switching amplifier
- 40 ÷ 140 Hz Frequency Range
- 1 x high power 15" Woofer
- 48 kHz, 32 bit DSP processing
- Designed to compliment the HDL 10-A speaker system
- 458x555x569 mm - 18.03x21.85x22.40 in (HxWxD)
- Extremely low weight 39 kg - 85.98 lbs

6

HDL 6-A

ACTIVE TWO-WAY LINE ARRAY MODULE

The HDL 6-A is the ideal choice when line array performance is needed and a fast and easy set-up a must. A 1400 W 2-channel digital amplifier powers the system. A powerful DSP includes crossover, phase correction, limiting and protection. The system features state-of-the-art RCF transducers – two powerful 6.0" woofers for a solid bass reproduction plus a high powered 1.7" voice coil compression driver mounted on a precise 100° x 10° waveguide. HDL 6-A delivers vocal clarity with high definition and an incredible dynamic.

READERS' CHOICE AWARDS 2018
ProSoundWeb & Live Sound International

/ CUSTOM DESIGNED WAVEGUIDE
The custom designed waveguide provides a precise coverage of 100° x 10° delivering a superb, linear high frequency response.

p.n. 130.00.496 (220-240V) - 130.00.509 (115V) BLACK
p.n. 130.00.514 (220-240V) - 130.00.515 (115V) WHITE

- 131 dB max SPL
- 1400W two-way Class-D switching amplifier
- 65 ÷ 20000 Hz Frequency Range
- 100° x 10° wide, constant directivity coverage angle
- 1.7" voice coil neodymium c. driver
- 2 x high power neodymium 6.0" Woofers
- 48 kHz, 32 bit DSP processing
- Symmetrical design
- FiRPHASE
- 237x470x377 mm - 9.3x18.5x114.8 in (HxWxD)
- Extremely low weight 11.6 kg - 25.57 lbs

HDL 6-A is also available in white.

" the tiniest RCF monster "

INSIDE VIEW
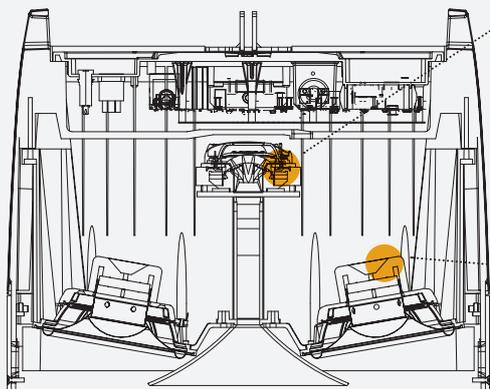
/ HIGH FREQUENCIES

The ND 340 high power compression driver delivers one of the key advantages of the HDL 6-A. A 1.7" voice coil with a crossover point of 900 Hz allows the driver to produce almost all the vocal range. This allows better coverage and dispersion control and superior efficiency.

/ LOW FREQUENCIES 6.0" WOOFERS

- 2.0" Edge-wound copper voice coil
- Water resistant ber cone
- Polycotton M-roll surround
- High-power neodymium magnetic structure

The compact and lightweight design of the system is combined with rugged steel mechanics for easy rigging and transportation.

FLYABLE MATCHED SUBWOOFER

HDL 12-AS
ACTIVE FLYABLE HIGH POWER SUBWOOFER

p.n. 130.00.505 (220-240V) - 130.00.510 (115V) BLACK
p.n. 130.00.532 (220-240V) - 130.00.533 (115V) WHITE

The HDL 12-AS is the companion subwoofer for HDL 6-A. Housing a 12" woofer, the HDL 12-AS, is a very compact active sub enclosure and features a powerful 1400W Class-D amplifier. It is the ideal complement to create flown HDL 6-A clusters with outstanding performance. It features a built-in digital stereo crossover (DSP) with adjustable crossover frequency to connect the HDL 6-A line array module or a satellite. The integrated mechanics are both fast and reliable. The heavy-duty front grille is power coated.

- 131 dB max SPL
- 1400W Class-D switching amplifier
- 40 ÷ 120 Hz Frequency Range
- 12" high power Woofer
- Stereo crossover
- Switchable crossover frequencies
- Polarity reverse switch
- Electronic equalization, soft limiter and protection
- Stereo XLR input, Stereo XLR signal output
- 379x470x508 mm - 14.9x18.50x20 in (HxWxD)
- Extremely low weight 24 kg - 50.9 lbs

NX

2-WAY ARRAYS

NXL 44-A
ACTIVE TWO-WAY LINE ARRAY MODULE

With the NXL44-A, RCF has designed a unique and powerful two-way line source, with sound delivered from three 10″ neodymium woofers and a 1.4″ driver with 3″ voice coil on a asymmetrical waveguide. All are perfectly tuned to deliver remarkable uniform coverage with an extended frequency range. Precision controlled by an on-board DSP and driven by a two-channel digital amp, the NXL44-A delivers very natural sounding response and high SPL for professional live sound reinforcement. The horn's design is asymmetrical so it projects sound energy with great accuracy, thereby avoiding undesired reflections. The enclosure always remains vertical - it does not have to be tilted or aimed in any way that would adversely affect its stability.

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ProSoundWeb & Live Sound International

/ SPECIFIC DESIGNED WAVEGUIDE

At the core of NXL 44-A design is the new ND 840 compression driver loaded from a waveguide to a constant directivity 90° x 30° horn. The ND 840 large format compression driver is one of the key advantages of the NXL 44-A, the 3.0″ voice coil allows a crossover point of 800Hz and therefore almost all of the vocal range can be produced by this driver.

p.n. 130.00.479 (220-240V)
p.n. 130.00.480 (115V)

- 134 dB max SPL
- 1400W two-way Class-D switching amplifier
- 45 ÷ 20000 Hz Frequency Range
- 90° x 30° wide, constant directivity coverage angle
- 3.0" voice coil c. driver with a waveguide
- 3 x high power 10" neodymium Woofers
- 48 kHz, 32 bit DSP processing
- Pole mountable, Stackable, Flyable
- 1198x303x402 mm - 47.2x11.93x15.83 in (HxWxD)
- Extremely low weight 34.5 kg - 74.9 lbs

With convenient appointments such as fixing points for rigging hardware, the NX L44-A and NX L24-A is easy to handle, fly and install. This remarkable versatility makes it the go-to speaker for every sound reinforcement situation.

NXL 24-A
ACTIVE TWO-WAY ARRAYS

The NXL 24-A is an active column speaker array system composed by 4 x 6" high-power woofers and a 2.5" voice coil compression driver loaded from a waveguide on a 100° x 30° constant directivity horn.
The amplifier delivers 1400 Watt and is controlled by a DSP that adjusts crossover, equalization, phase alignment, soft limiting and speaker protections. EQ is available for use with a single column or in pairs.

/ SPECIFIC DESIGNED WAVEGUIDE
At the core of NXL 24-A design is the new ND 640 compression driver loaded from a waveguide to a constant directivity 100° x 30° horn.

p.n. 130.00.399 (220-240V)
p.n. 130.00.400 (115V)

MULTIPLE CONFIGURATIONS

- 131 dB max SPL
- 1400W two-way Class-D switching amplifier
- 65 ÷ 20000 Hz Frequency Range
- 100° x 30° wide, constant directivity coverage angle
- 2.5" voice coil c. driver
- 4 x high power 6" Woofers
- 48 kHz, 32 bit DSP processing
- Pole mountable, Stackable, Flyable
- 1056x201x274 mm - 41.57x7.91x10.79 in (HxWxD)
- Extremely low weight 26.4 kg - 58.8 lbs

NX

2-WAY MULTIPURPOSE

NX 45-A

ACTIVE TWO WAY MULTIPURPOSE SPEAKER

Featuring RCF precision transducers and a wooden cabinet, the NX 45-A is the RCF's most flexible tool for deploying high-power and pristine sound. As a stand-alone FOH system, a satellite (with subwoofer) or a stage monitor or flown speaker, the NX 45-A has many practical uses. Conceived as the ideal complement to the RCF high-powered HDL System or NXL arrays, it features much of the power and accessories of the TT+ series, such as multiple rigging points and FiRPHASE processing.

/ POWERFUL WOOFER
The low-frequency transducer is a high-power 15" woofer with a 3.0" voice coil, delivering punchy bass. Reproduction of the mid-bass frequencies is accurate, transparent and free from distortion.

/ 4.0" SUPERIOR COMPRESSION DRIVERS
The ND940 large format Compression Driver with 4" voice coil is the key feature of the NX 45-A. The extremely low crossover point of 650Hz is a must for perfect reproduction of the vocal range.

/ DIRECT DRIVE TECHNOLOGY
The voice coil features a high-temperature kapton former. The assembly process takes advantage of the RCF proprietary Direct Drive technology. The diaphragm's suspension has been designed following extensive studies aimed at minimizing distortion and extending low frequency range.

/ AMPLIFIER AND DSP
The two-way 1400 W amplifier features a solid machined aluminium structure, which not only stabilizes the amplifier during transportation but also assists in heat dissipation. The internal DSP has limiters and protections for the transducers and includes FiRPHASE filters to achieve a coherent distribution of sound without phase distortion. A single button shapes the sound for background music when the system plays at minimum volume levels.

- 133 dB SPL Max
- 1400W 2-way Class-D amplifier
- 45 ÷ 20000 Hz Frequency Range
- 90° x 50° constant directivity coverage
- 15" neodymium woofer, 3.5" voice coil
- Horn loaded 1.4" neodymium c. driver, 4.0" v.c.
- FiRPHASE
- Easy to install with built-in multiple rigging points
- 707x418x402 mm - 27.83x16.46x15.83 in (HxWxD)
- 24 kg - 52.91 lbs

p.n. 130.00.552 (220-240V) - 130.00.553 (115V)

"professional power"

NX 32-A
ACTIVE TWO WAY MULTIPURPOSE SPEAKER

Featuring RCF precision transducers and a wooden cabinet, the NX 32-A is the RCF's most flexible tool for deploying high-power and pristine sound. As a stand-alone FOH system, a satellite (with subwoofer) or a stage monitor or flown speaker, the NX 32-A has many practical uses. Conceived as the ideal complement to the RCF high-powered HDL System or NXL arrays, it features much of the power and accessories of the TT+ series, such as multiple rigging points and FiRPHASE processing.

/ 3.0" COMPRESSION DRIVERS
The ND840 Compression Driver in pure Titanium with a 3" voice coil allows a crossover point at only 800 Hz. This allows a better impulse response, fast decay and superior efficiency. Lightweight and powerful, our neodymium drivers are a reference in performance and reliability.

/ DIRECT DRIVE TECHNOLOGY
The voice coil features a high-temperature kapton former. The assembly process takes advantage of the RCF proprietary Direct Drive technology. The diaphragm's suspension has been designed following extensive studies aimed at minimising distortion and extending low frequency range.

- 131 dB SPL Max
- 1400W 2-way Class-D amplifier
- 50 ÷ 20000 Hz Frequency Range
- 90° x 60° constant directivity coverage
- 12" woofer, 2.5" voice coil
- Horn loaded 1.4" neodymium c. driver, 3.0" v.c.
- FiRPHASE
- Easy to install with built-in multiple rigging points
- 600x365x378 mm - 23.62x14.37x14.88 in (HxWxD)
- 20.6 kg - 45.42 lbs

p.n. 130.00.550 (220-240V) - 130.00.551 (115V)

TWO-WAY SPEAKERS

HDM 45-A
ACTIVE TWO-WAY SPEAKER

The HDM 45-A speaker boosts the performance with a top-quality two channel amplifier, RDNet management network ports, RCF precision transducers, FiRPHASE processing, and a rugged cabinet built for professionals. While it is one of the most powerful speaker in composite material in its category, it delivers clear, detailed and smooth sound from low to very high levels, with low distortion and fast transient response. The HDM concept is inspired by the touring industry, bringing in an elegant and lightweight cabinet all with the maximum reliability and strength for the intensive use on the road. Perfect as a main front of house in PA systems, high-powered floor monitor, or unobtrusive infill system when combined with the RCF HDL System speakers.

/ STATE-OF-THE-ART POWER

Two independent Class-D amplifiers – 1600 W low frequencies, 600 W for the high frequency driver – deliver an astonishing output power making the HDM 45-A the most powerful speaker in composite material in its category. The input section provides In/Out XLR connectors, central encoder to control system parameters, and RDNet Input and Output.

/ THE REAR PANEL
The rear panel features a simple rotary/push encoder that allows full control of all the speaker's functions. A simple command on the panel disables the input panel and remotely controls the speaker.

/ RENTAL PROOF
HD cabinets are moulded with a special polypropylene composite material designed to dampen vibrations even at maximum volume settings. From moulding to the final texture, the speaker offers maximum reliability and strength for intensive use on the road. The reflex port has been resized to offer better efficiency. The HDM 45-A is equipped with a top handle and two side handles with rubber handgrips for greater portability. The new cabinet shape will allow every HD model to be used in the standard configuration as well as in stage monitor model. Two M10 and 3 M6 threaded inserts are provided for optional mounting hardware in Installed Sound Applications.

RDNET ON BOARD

- 133 dB Max SPL
- 2200W 2-way power
- 1.5" Titanium Compression Driver, 4.0" v.c. Neodimium
- 15" Neodimium Woofer, 3.5" v.c. Neodimium
- 650 Hz crossover point for perfect vocal reproduction
- 90°x60°, wide dispersion constant directivity horn
- FiRPHASE
- Ultra-Light weight
- 714x442x397 mm - 28.11x17.40x15.63 in (HxWxD)
- 22 kg - 48.5 lbs

p.n. 130.00.593 (90-240V)

HD 32-A MK4

ACTIVE TWO-WAY SPEAKER

The HD 32-A it's a unique product in his category. The titanium dome, 3.0″ voice coil compression driver offers a unique vocal clarity and sound projection. The 12″ woofer offers an extremely linear response and a precise, deep low frequency control. With Powercon In/Out connectors it is the ideal speaker for rental companies. Perfect as a main front of house in small PA systems and for high-power monitoring.

/ CLASS-D AMPLIFIER

RCF Class-D power amplifier technology packs huge performance into a lightweight solution. D-Line amplifiers deliver ultra fast attack, realistic transient response and impressive audio performance. The amplifier features a solid mechanical aluminium structure which not only stabilizes the amplifier during transportation but also assists in the heat dissipation.

/ SUPERIOR COMPRESSION DRIVERS

At the core of HD 32-A MK4 design is the new ND840 compression driver. The 3.0″ voice coil design provides a crossover point as low as 800Hz and therefore almost the entire vocal range can be produced by the driver. This allows even better coverage, dispersion control and superior efficiency.

/ NEW CABINET SHAPE

The HD-32A MK can be used in the standard or stage monitor configuration.

GREAT PERFORMANCE WITH SUB 8004-AS

When used on top of a SUB 8004-AS the HD 32-A becomes an incredibly powerful PA system.

- 131 dB Max SPL
- 1400W
- 12" Woofer, 2.5" v.c.
- 1.4" C. Driver, 3.0"v.c.
- FiRPHASE
- Jack - XLR IN / XLR OUT
- Powercon IN-OUT AC
- 647x380x380 mm - 25.47x14.96x14.96 in (HxWxD)
- 18.8 kg - 41.44 lbs

p.n. 130.00.516 (220-240 V)
p.n. 130.00.517 (115 V)

SM
STAGE MONITORS

NX STAGE MONITOR SERIES
ACTIVE COAXIAL HIGH-OUTPUT STAGE MONITORS

All the NX Stage Monitors are provided with coaxial transducers which define excellent linearity and high efficiency. The RCF Coaxial Transducers radiate a coherent single spherical wave front with perfect dispersion control.

/ MAXIMUM FLEXIBILITY
Use the NX Series 10-SMA, 12-SMA and 15-SMA as a portable PA system for small to mid-size sound applications. Rugged powder-coated steel pole mounts can be used for flexibility.

/ COAXIAL NEODYMIUM TRASDUCERS
The newly designed coaxial neodymium transducers provide outstanding audio quality and definition as well as being extremely lightweight.

NX 12-SMA

/ ERGONOMIC HANDLE
Cabinets are made from Baltic Birch plywood, finished with an extremely resistant paint for extensive use on the road. An ergonomic side handle, integrated with the input panel, is provided for easy transport.

p.n. 130.00.260 (220-240 V) p.n. 130.00.261 (115 V)	p.n. 130.00.235 (220-240 V) p.n. 130.00.236 (115 V)	p.n. 130.00.233 (220-240 V) p.n. 130.00.234 (115 V)
NX 15-SMA	**NX 12-SMA**	**NX 10-SMA**
1400W	1400W	800W
130 dB Max SPL	129 dB Max SPL	127 dB Max SPL
15" Neo Woofer, 2.5" v.c.	12" Neo Woofer, 2.5" v.c.	10" Neo Woofer, 2.5" v.c.
1.0" C.Driver, 1.7" v.c.	1.0" C.Driver, 1.7" v.c.	1.0" C.Driver, 1.7" v.c.
Jack -XRL IN XLR OUT POWERCON AC socket	Jack -XRL IN XLR OUT POWERCON AC socket	Jack -XRL IN XLR OUT POWERCON AC socket
362x650x468mm 14.25x25.59x18.42 inch (HxWxD)	324x550x417mm 12.7x21.6x16.4 inch (HxWxD)	324x450x417mm 12.7x17.7x16.4 inch (HxWxD)
20.2 kg - 44.53 lbs	16.6 kg - 36.6 lbs	14.3 kg - 31.53 lbs

ST STAGE MONITOR SERIES
ACTIVE HIGH-OUTPUT MULTIPURPOSE MONITOR

ST Series is a practical solution for high intelligibility speech and audio applications, covering infill or delay, production studios, presentations and high-power music sound reinforcement with or without subwoofers. A key requirement for everyday audio systems, delivering simple 'plug and play' solutions, without compromising performance and portability.

ST 15-SMA

/ STAGE MONITOR
Use it as a stage monitor. The "FLAT" equalization mode is set for monitoring applications, when the system is placed on the floor.

/ LOUDSPEAKER
With an easy 90° rotation and a simple click on the FLAT/BOOST switch, the ST 15-SMA turns into a loudspeaker, with the equalization settings in "BOOST" mode.

/ ACCURATE AND POWERFUL WOOFER
ST series features a professional high-power woofer, delivering extremely accurate punchy bass and precise low frequency control, making it an ideal stage monitor/speaker for personal use and small bands.

/ HIGH-FIDELITY DRIVER
The custom-made compression driver ensures a transparent midrange and extreme accuracy. It features a high performance 1-inch exit throat and 1.4" voice coil, with a frequency range up to 20 kHz.

p.n. 130.00.462 (220-240 V)
p.n. 130.00.463 (115 V)

ST 15-SMA

1200W

131 dB Max SPL

15" Woofer, 2.5" v.c.

1.0" C.Driver, 1.4" v.c.

Jack -XRL IN
XLR OUT
VDE AC socket

362x673x473mm
14.2x26.4x16.4 inch
(HxWxD)

20.3 kg - 44.75 lbs

p.n. 130.00.460 (220-240 V)
p.n. 130.00.461 (115 V)

ST 12-SMA

800W

129 dB Max SPL

12" Neo Woofer, 2.5" v.c.

1.0" C.Driver, 1.4" v.c.

Jack -XRL IN
XLR OUT
POWERCON AC socket

318x594x400mm
12.52x23.39x15.75 inch
(HxWxD)

17.3 kg - 38.14 lbs

/ MAXIMUM FLEXIBILITY
ST Series maximum flexibility philosophy has been maintained for these two new additions; it is possible, in fact, to use the ST 15-SMA and ST 12-SMA as a portable PA system, thanks to the rugged powder coated steel pole mount installed on the side.

SUBWOOFERS

SUB 8006-AS
ACTIVE HIGH POWER SUBWOOFER

The SUB 8006-AS is the largest and most powerful active sub woofer in the professional series. Featuring two 18" transducers, with 4" inside/outside voice coils, this cabinet is designed to deliver serious low frequency. Powered by a 2500W Class-D amplifier module, the SUB 8006-AS can perform in the most demanding environments.

The custom designed 18" woofers feature 4" edgewound, inside/outside voice coils for excellent power handling for superior thermal performance.

The SUB 8006-AS input section includes Volume control, a Deep / Punch switch; Signal, Power and Limiter LED's; High pass switch; Phase switch; Cardioid switch; Delay control; Crossover and XLR signal link.

The SUB 8006-AS is powered from a 2500 Watt Class-D amplifier, with an access panel integrated to the rear, with a separate chamber that mechanically insulateds cabinet vibrations.

Sophisticated DSP is at the core of a fully-featured input section, providing user selectable crossover functionality, polarity optimization, protection, dynamic limiting and discrete component optimization.

- 141 dB Max SPL
- 5000W
- 30 ÷ 120 Hz Frequency Range
- 2 x 18" Woofer, 4.0" v.c.
- Jack - XLR IN / XLR OUT
- POWERCON AC socket
- 709x1109x700 mm
  27.9x43.6x27.5 in (HxWxD)
- 96.4 kg - 212.53 lbs

p.n. 130.00.372 (220-240 V) - p.n. 130.00.373 (115 V)

SUB 8005-AS
ACTIVE HIGH POWER SUBWOOFER

The SUB 8005-AS is one of the most powerful 21″ subwoofers in pro-sound category. Featuring a high-power, hypervented 21″ woofer, with 4.5″ inside/outside voice coils, this cabinet is designed to deliver a serious amount of low frequency. Powered by a 2500W Class-D amplifier module, the SUB 8005-AS can perform in the most demanding situations. The input board includes volume control, deep/punch switch, high pass switch, phase switch, cardioid, time delay.

/ LEGENDARY SUBWOOFERS

RCF subwoofers are the first choice of many sound engineers, due to high SPL levels at very low frequencies, small dimensions compared to the competitors, self- powered design, internal delay control, cardioid configuration options and impressive size/weight to SPL output ratio. Your crowd will enjoy an engaging immersive experience.

The subwoofers are equipped with two M20 rugged inserts.

/ THE TRASDUCERS INNOVATORS

RCF specializes in developing advanced transducer technology including the application of high-tech materials such as Neodymium, Carbon Fiber, Pure Titanium, Kevlar, Kapton and Mylar hybrids. With over 60 years of design and manufacturing experience, RCF has been instrumental in technological inventions such as carbon fiber cone molding, double silicon spiders, inside/outside voice coil windings to edge wound voice coil manufacturing and pure titanium diaphragm forming. Our latest developments have resulted in designing state-of-the-art neodymium magnetic circuits, radically new voice coil ventilation systems and ground breaking direct drive voice coil assemblies.

- 137 dB Max SPL
- 2500W
- 27 ÷ 120 Hz Frequency Range
- 21" Woofer, 4.5" v.c.
- Jack - XLR IN / XLR OUT
- POWERCON AC socket
- 825x600x805 mm
  32.4x23.6x31.6 in (HxWxD)
- 61.5 kg - 135.58 lbs

p.n. 130.00.422 (220-240 V) - p.n. 130.00.423 (115 V)

SUBWOOFERS

SUB 8004-AS
ACTIVE SUBWOOFER

The SUB 8004-AS is one of the most powerful 18" subwoofers in pro-sound category. Featuring a high power, hypervented 18" woofer, with 4" inside/outside voice coils, this cabinet is designed to deliver a serious amount of low frequency. Powered by a 2500W Class-D amplifier module, the SUB 8004-AS can perform in the most demanding environments. The input board includes volume control, deep/punch switch, high pass switch, phase switch, cardioid, time delay.

The subwoofers input section includes Volume control, a Deep / Punch switch; Signal, Power and Limiter LED's; High pass switch; Phase switch; Cardioid switch; Delay control; Crossover and XLR signal link.

/ POWERFUL CLASS D AMPLIFIERS

RCF's Class-D power amplifier technology packs huge performance operating with high efficiency into a lightweight solution. RCF amplifiers deliver an ultra-fast attack, realistic transient response, and impressive audio performance. All the amplifiers present SMPS power supply section to produce maximum output and minimum weight.

/ CABINET & MECHANICS

The RCF cabinets are made of baltic birch plywood coated with a textured black finish. The subs are stackable and light-weight, for easy set-up and tear down. A pole receptacle on top and side allows the use of the box in various configurations. The powder coated front grille integrates a special transparent-to-sound foam backing on the inside to further protect the transducers from dust.

p.n. 130.00.392 (220-240 V) - p.n. 130.00.393 (115 V)

- 136 dB Max SPL
- 2500W
- 18" Woofer, 4" v.c.
- Jack - XLR IN / XLR OUT
- POWERCON AC socket
- 700x558x700 mm - 27.5x21.9x27.5 in (HxWxD)
- 56 kg - 123.46 lbs

SUB 8003-AS II

p.n. 130.00.432 (220-240 V) - p.n. 130.00.443 (115 V)

The SUB 8003-AS II active subwoofer features the latest generation of RCF woofer technology, Class-D amplifiers and DSP processing with higher-power and enhanced performance. It offers the perfect blend of bass reproduction, high SPL and compact dimensions for mobile use by bands and DJs.

SUB 905-AS II

p.n. 130.00.434 (220-240 V) - p.n. 130.00.435 (115 V)

The SUB 905-AS II active subwoofer is ideal for building subwoofer satellite systems where compactness and high sound levels are required at the same time. The SUB 905-AS has the most advanced RCF woofer technology, coupled with a powerful 2200 W Class-D amplifier. It offers the perfect blend of bass reproduction, high SPL and compact dimensions for mobile use by bands or DJs.

/ SUB SERIES: THE RIGHT PUNCH

RCF new line of subwoofers suitable for all speakers in its Professional Line of products, offering the maximum flexibility to tailor your PA system to your needs. Featuring strong Baltic birch construction, high quality mechanics, superior acoustic design and premium RCF Precision low frequency transducers, the SUB Series represents the perfect complement for any portable sound reinforcement system.

> Both SUB 8003-AS II and SUB 905-AS II are equipped with high power RCF woofers. Our inside/outside voice coils represent unmatchable reference in power handling. Their "triple thickness" former transfers the sound to the cone with extreme accuracy and reliability.

/ SUB 8003-AS II AND SUB 905-AS II: FULL FEATURED INPUT BOARD

These subwoofers can be configured from the rear panel, that features a full set of commands:
- PRESET
- VOLUME
- TIME
- OUT SIGNAL, LINE / HIGH PASS

- 135 dB Max SPL
- 2200W
- 18" Woofer, 4.0" v.c.
- Jack - XLR IN / XLR OUT
- POWERCON AC socket
- 694x523x700 mm - 27.32x20.59x27.56 in (HxWxD)
- 45 kg - 99.21 lbs

- 133 dB Max SPL
- 2200W
- 15" Woofer, 3.0" v.c.
- Jack - XLR IN / XLR OUT
- POWERCON AC socket
- 600x445x610 mm - 23.62x17.52x24.02 in (HxWxD)
- 30.2 kg - 66.58 lbs

CONTROL & POWER

DX 1616

MATRIX AUDIO PROCESSOR

DX 1616 AES-Dante remote software. This network-based software designed for Microsoft Windows and Mac OSX allows the management of the DX 1616 Matrix Sound Processor.
- Pre-Amp configuration, selecting source types like analog, AES/EBU, Dante
- Designing Input groups for complex applications
- Input source processing with EQ, delay and compressor
- Powerful 16x16 router to assign processing tasks to flexible output patches.

/ HOME
The home screen gives the most important information of the signal flow to the system engineer in one view. All inputs with pre-fade level meters including the routing to dedicated DSP modules for typical system tasks for main PA, side PA, subwoofer and distributed speakers. Useful groups of inputs allow easy setup and configuration for any large event application with several mixing desks or multiple sources.

/ SOURCE PROCESSING
The powerful source processing window allows the configuration of the input preamps (analog, AES/EBU, mic/line) and Dante inputs as well. For each source the user can adjust gain, polarity, input EQ, input compressor and input delay.

/ OUTPUT PATCH
With 16 analog outputs, DX 1616 offers flexible routing possibilities. The engineer can use up to 16 individual DSP modules for each output or he can even assign several analog outputs to a specific DSP module to use these outputs as high-quality line drivers. In combination with the RCF CP16 control panel any wiring configuration is supported.

/ DSP MODULE
The DSP module offers high pass filters, low pass filters, parametric EQ, all pass filters, level, compressor and output delay for perfect system control even if no RDNet controlled speaker is part of the system.
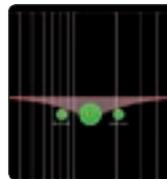
p.n. 123.99.033

Dante®

- Hybrid architecture DSP
- 48 kHz sampling, 40 bit floating point engine
- 16 x 16 I/O matrix
- Dante enabled network audio transport
- 8 AES/EBU inputs - 8 AES/EBU outputs
- Ethernet connectivity and control
- Maximum latency 3 ms
- Easy to use software GUI

" connect and manage "

CR 16-ND
CONTROL RACK

The CR 16-ND is a 10 Unit flight case designed to control RCF Professional speaker systems. The CR 16-ND includes one Control 8 that manages the RDNet connection up to 256 devices, one DX 1616 matrix processor that takes care of audio signals routing and processing and one CP 16 control panel to bring audio and control signals to 4 x LK 25 multipin outputs. Each LK 25 has four audio channels, two RDNet channels and two spare sends. Each signal is doubled to XLR redundant outputs.

/ DIGITAL I/O
The DX 1616 matrix audio processor features Ethernet control, Dante redundant inputs, eight AES/EBU inputs and outputs. The signals are managed from a 40 bit floating point, high resolution DSP.

p.n. 121.00.004

Dual Switch Not Included.
Ask RCF and adapt the System to your networking protocol.

- 10 RU flight case on shock mounts
- DX 1616 matrix audio processor
- Control 8 master unit
- CP16 control panel
- 16 analog audio inputs, 16 analog audio outputs
- 8 AES/EBU inputs - 8 AES/EBU outputs
- Dante input
- 4 x LK 25 multicore audio/RDNet outputs

PR 63
POWER RACK

The Power Rack PR 63 features the PD 63 A-419 power distribution with a 63 A Cekon power input with 5m fixed cable. The three-phase power is distributed in a 32 A Cekon output, 4 x LKS19 output, 6 x Powercon output, 1 Powercon auxiliary output to power the CR 16-ND Control Rack. All outputs are equipped with individual RCBOs (Residual Current-operated Circuit-Breaker with Overcurrent protection) for maximum reliability. In case of damage, only the faulty output is missed while the rest of the system continues to function.

/ 63-AMPERE RACK
From a single 63-Ampere Cekon connector the power rack delivers power distribution to large PA systems, including up to 12+12 left-right line array systems, a large subwoofer system and a complete stage monitoring. 32-Ampere power output for chain motors and 16-Ampere Powercon output to supply CR 16-ND are included.

p.n. 121.00.006

- 63 Ampere Cekon power input with 5 m cable
- 32 Cekon outputs
- 4 x LKS 19 outputs
- 6 x Powercon outputs + 1 Powercon auxiliary output
- 24 x individual power line RCBOs
- 32 Ampere and Auxiliary individual front RCBOs
- Tour Grade flight case construction

CABLING AND TRANSPORTATION

The HDL System Karts allows four HDL speakers to be stored and transported in vertical position.

All subwoofers are equipped with detachable front wheel boards, which makes setup easy without having the rattling noise of wheels displayed towards the audience when using subs in cardioid setups.

RCF active sound reinforcement systems feature sophisticated weather protection to ensure safe operation under worse weather condition.

Ease of transportation and weather protection are integral parts of an efficient system.

/ LKS 19 CONNECTORS

With LKS 19 power distribution system uses dedicated fan out cables to connect HDL Systems and companion subwoofers with a single, 19 pin connector. A single cable run can power a full-sized line array column. RCF offers dedicated cabling options for arrays and subwoofers as well as extension cables of 10m or 20m.

/ DEDICATED ACCESSORIES

A full range of custom accessories complements the RCF line array systems. Starting from suspension and stacking to cabling and transportation, RCF provides solutions for a practical assembly, and transportation from the smallest to the largest system.

ACCESSORIES

RIGGING

p.n. 13360334 **FL-B HDL 50**
Flybar for HDL 50-A or HDL 53-AS + 1x Pickup Tab with Shackle + Stacking Bar + Mounting Bracket for inclinometer. Pins included.

p.n. 13360127 **FL-B PK TTL 55**
Pickup Tab with Shackle for HDL 50-A. To be added to the flybar when rigging with 2 motors. Pins included.

p.n. 13360389 **FL-B LINK HDL 50-30**
Link bar for HDL-50-A to HDL 30-A

p.n. 13360128 **SAFETY CHAIN TTL 55**
To be added to the flybar to provide a secondary safety (specially when the cluster is suspended with a single motor). 1 pcs for every Fly Bar suggested.

p.n. 13360129 **HOIST SPACING CHAIN TTL 55**
Hoist Connector Chain to distance the chain-hoist and the chain bag from the flybar. Designed for HDL 50-A and HDL 30-A.

p.n. 13360394 **FL-B PK HDL 30**
Pickup Tab with Shackle for HDL 30-A and HDL 28-A. To be added to the flybar when rigging with 2 motors. Pins included.

p.n. 13360380 **FL-B HDL 30**
Flybar for HDL 30-A or HDL 38-AS + 1x Pickup Tab with Shackle + Stacking Bar + Mounting Bracket for inclinometer. Pins included.

p.n. 13360411 **FL-B HDL 28**
Flybar for HDL 28-A or HDL 36-AS + 1x Pickup Tab with Shackle + Stacking Bar + Mounting Bracket for inclinometer. Pins included.

p.n. 13360432 **FL-B HDL 28 W**
Flybar (white) for HDL 28-A W or HDL 36-AS + 1x Pickup Tab with Shackle + Stacking Bar + Mounting Bracket for inclinometer. Pins included.

p.n. 13360218 **FL-B HDL 20-18**
Flybar for HDL 20-A or HDL 18-AS + 1x Pickup Tab with Shackle + Stacking Bar. Pins included.

p.n. 13360229 **FL-B LGT HDL 20**
Flybar for HDL 20-A + Pole Mount + 1x Pickup Tab with Shackle + Stacking Bar. Pins included.

p.n. 13360225 **FL-B LINK HDL 20-18 2X**
Link bar for HDL 20-A and HDL 18-AS. Pins included. (two pieces)

p.n. 13360221 **FL-B PK HDL 20-18**
Pickup Tab with Shackle for HDL 20-A and HDL 18-AS. To be added to the flybar when rigging with 2 motors. Pins included.

p.n. 13360274 **FL-B HDL 10**
Flybar for HDL 10-A + 1x Pickup Tab with Shackle + Stacking Bar. Pins included.

p.n. 13360314 **FL-B HDL 10 W**
Flybar for HDL 10-A + 1x Pickup Tab with Shackle + Stacking Bar. Pins included.

p.n. 13360296 **FL-B LINK HDL 10-15 2X**
Link bar for HDL 10-A and HDL 15-AS. Pins included. (two pieces)

p.n. 13360276 **FL-B LGT HDL 10**
Flybar for HDL 10-A + Pole Mount + 1x Pickup Tab with Shackle + Stacking Bar. Pins included.

p.n. 13360313 **FL-B LGT HDL 10 W**
Flybar for HDL 10-A W (white) + Pole Mount + 1x Pickup Tab with Shackle + Stacking Bar. Pins included.

p.n. 13360371 **CL-BR HDL 6**
Clamp Bracket for HDL 6-A

p.n. 13360360 **FL-B HDL 6**
Flybar for HDL 6-A; HDL 12-AS; HDL 26-A; HDL 35-AS + 1x Pickup Tab with Shackle + Stacking Bar + Pole Mount + M20 Adapter. Pins included.

p.n. 13360373 **FL-B HDL 6 W**
Flybar for HDL 6-A W + 1x Pickup Tab with Shackle + Stacking Bar + Pole Mount + M20 Adapter. Pins included.

RIGGING

p.n. 13360375 **FL-B LINK HDL 6-12 2X**
Link bar for HDL 6-A and HDL 12-AS; HDL 26-A and HDL 35-AS (two pieces)

p.n. 13360372 **FL-B PK HDL 6**
Pickup Tab with Shackle for HDL 6-A; HDL 12-AS; HDL 26-A; HDL 35-AS. To be added to the flybar when rigging with 2 motors. Pins included.

p.n. 13360345 **FL-B NXL 44**
Fly bar for NXL 44-A up to 2 pieces

p.n. 13360346 **FL-B LINK NXL 44**
Accessory to link a second NXL 44-A to a flying NXL 44-A (straight or 2 angles)

p.n. 13360278 **FL-B NXL 24**
Fly bar for NXL 24-A up to 2 pieces

p.n. 13360279 **FL-B LINK NXL 24**
Accessory to link a second NXL 24-A to a flying NXL 24-A (straight or 2 angles)

p.n. 13360216 **H-BR 2X HD 12-32**
2 x horizontal bracket for HD 32-A

p.n. 13360351 **AZM-BR 2X**
To be added for horizontal array control

p.n. 13360398 **V-BR NX 45**
Wall mount brackets with adjustable inclination for NX 45-A

p.n. 13360328 **V-BR TT 22 II**
Wall mount brackets with adjustable inclination for NX 32-A

STACKING

p.n. 13360377 **PM-KIT 3X HDL 6**
Pole mount kit for 3 HDL 6-A. Pins included. + Stacking Bar

p.n. 13360285 **PM-KIT 2X HDL 20**
Accessory for 2 HDL 20 on a pole mount. Pins included. + Stacking Bar

p.n. 13360393 **STCK-KIT 2X HDL 30**
Stacking kit for HDL 30-A, HDL 28, HDL 20-A and HDL 10-A. Pins included.

p.n. 13360347 **STCK-KIT NXL 44**
Accessory for stacking 2 NXL 44-A on SUB 8006 or 8004 (or M20 pole)

p.n. 13360280 **PM-KIT NXL 24**
Adjustable pole accessory for stacking NXL 24-A on SUB 8004 (or M20 pole)

p.n. 13360281 **STCK-KIT NXL 24**
Accessory for stacking 2 NXL 24-A on SUB 8006 or 8004 (or M20 pole)

p.n. 13360232 **AC PMX**
Adjustable pole - up to 60Kg for HDL 20-A, HDL 18-A and HDL 15-A

p.n. 13360231 **STCK-KIT SUB 8006**
Accessory to lock FLY BAR HDL 20-18 to the SUB 8006-AS. Accessory to lock FLY BAR HDL 10 to the SUB 8004-AS. M20 fixing point. Two pieces. Pins included.

p.n. 13360109 **AC PRO-FS**
Professional loudspeaker floor stand

p.n. 13360111 **AC PRO-LF**
Professional adapter sleeve for loudspeaker floor stand

p.n. 13360110 **AC PRO-PM**
Adjustable pole accessory for satellite loudspeaker on a subwoofer

p.n. 13360067 **PM-KIT M20**
Adjustable pole for subwoofer

p.n. 13360068 **AC PMA TT**
Adjustable speaker pole M20

p.n. 13360034 **AC PMA**
Adjustable speaker pole

p.n. 13360035 **AC S260**
Steel floor speaker stand (max load 60 kg)

p.n. 13360031 **AC EB 4X**
kit including 4 pcs M10 eye bolts

ACCESSORIES

QUICK LOCKS PINS (4X)

p.n. 13360335 QL-PIN D11.2 L31 4X

PRODUCT		POSITION	TYPOLOGY
HDL 50-A	13000477	FRONT	LINK
HDL 50-A	13000477	FRONT	LOCK

p.n. 13360340 QL-PIN D12.6 L32 4X

PRODUCT		POSITION	TYPOLOGY
HDL 50-A	13000477	REAR	LINK

p.n. 13360132 QL-PIN D11.1 L44.5 4X

PRODUCT		POSITION	TYPOLOGY
FL-B HDL 50		FRONT	LINK

p.n. 13360219 QL-PIN D9.6 L21.3 4X

PRODUCT		POSITION	TYPOLOGY
HDL 20-A	13040007	FRONT	LINK
HDL 20-A	13040007	FRONT	LOCK
HDL 18-AS	13040009	FRONT	LINK
HDL 10-A	13040016	FRONT	LINK
HDL 10-A	13040016	FRONT	LOCK
HDL 15-AS	13040020	FRONT	LINK
HDL 30-A	13000511	FRONT	LINK
HDL 30-A	13000511	FRONT	LOCK
HDL 36-AS	13000583	FRONT	LINK
HDL 36-AS	13000583	FRONT	LOCK
HDL 38-AS	13000580	FRONT	LINK
HDL 38-AS	13000580	FRONT	LOCK
HDL 28-A	13000579	FRONT	LINK
HDL 28-A	13000579	FRONT	LOCK
HDL 28-A W	13000605	FRONT	LINK
HDL 28-A W	13000605	FRONT	LOCK
HDL 6-A	13000496	FRONT	LINK
HDL 6-A	13000496	REAR	LINK
HDL 26-A	13000588	FRONT	LINK
HDL 26-A	13000588	REAR	LINK
HDL 12-AS	13000505	FRONT	LINK
HDL 12-AS	13000505	REAR	LINK
HDL 35-AS	13000575	FRONT	LINK
HDL 35-AS	13000575	REAR	LINK
FL-B NXL 24	13360278		LINK
FL-B NXL 44	13360345		LINK
PM-KIT 2X HDL 20	13360285	FRONT	LINK
PM-KIT 2X HDL 20	13360285	REAR	LINK
FL-B LINK NXL 44	13360346		LINK
STCK-KIT NXL 44	13360347		LINK
FL-B HDL 6	13360360	FRONT	LINK

QUICK LOCKS PINS (4X)

p.n. 13360219 QL-PIN D9.6 L21.3 4X

PRODUCT		POSITION	TYPOLOGY
KRT-WH 6X HDL 6	13360366	FRONT	LINK
FL-B LINK HDL 6-12 2X	13360375		LINK
PM-KIT 3X HDL 6	13360377		LINK
KRT-WH 4X HDL 30	13360382	FRONT	LINK
KRT-WH 4X HDL 28	13360412	FRONT	LINK

p.n. 13360220 QL-PIN D9.6 L26.9 4X

PRODUCT		POSITION	TYPOLOGY
HDL 20-A	13040007	REAR	LINK
HDL 30-A	13000511	REAR	LINK
HDL 28-A	13000579	REAR	LINK
HDL 28-A W	13000605	REAR	LINK
FL-B LINK HDL 20-18 2X	13360225		LINK
FL-B LINK HDL 10-15 2X	13360296		LINK
KRT-WH 4X HDL 20	13360223		LINK
KRT-WH 4X HDL 10	13360275		LINK
FL-B LGT HDL 20	13360229		LINK
FL-B LGT HDL 10	13360276		LINK
FL-B LINK NXL 24	13360279		LINK

p.n. 13360222 QL-PIN D9.6 L31 4X

PRODUCT		POSITION	TYPOLOGY
FL-B HDL 20-18	13360218	FRONT	LOCK
FL-B HDL 20-18	13360218	REAR	LINK
FL-B PK HDL 20-18	13360221		LINK
FL-B LINK HDL 20-18 2X	13360225		LINK
STCK-KIT SUB 8006	13360231		LINK
FL-B HDL 10	13360274	FRONT	LOCK
FL-B HDL 10	13360274	REAR	LINK
FL-B HDL 6	13360360	REAR	LINK
CL-BR HDL 6	13360371		LINK
FL-B PK HDL 6	13360372		LINK
FL-B HDL 30	13360380	FRONT	LOCK
FL-B HDL 30	13360380	REAR	LINK
FL-B HDL 28	13360411	FRONT	LOCK
FL-B HDL 28	13360411	REAR	LINK
STCK-KIT 2X HDL 30	13360393		LINK

ACCESSORIES

TRANSPORTATION

p.n. 13360336 KRT-WH 4X HDL 50
HDL 50-A transportation kart for 4 modules

p.n. 13360382 KRT-WH 4X HDL 30
Kart with wheels for 4 HDL 30-A

p.n. 13360430 KRT-WH 3X HDL 38
HDL 38-AS cart to store and transport up to 3 modules

p.n. 13360431 KRT-WH 3X HDL 36
HDL 36-AS cart to store and transport up to 3 modules

p.n. 13360412 KRT-WH 4X HDL 28
Kart with wheels for 4 HDL 28-A

p.n. 13360348 KRT-WH SUB 9007
Kart for 1 SUB 9007-AS

p.n. 13360361 KRT-WH SUB 9006
Kart for 1 SUB 9006-AS

p.n. 13360223 KRT-WH 4X HDL 20
Kart with wheels for 4 HDL 20

p.n. 13360275 KRT-WH 4X HDL 10
Kart with wheels for 4 HDL 10

p.n. 13360366 KRT-WH 6X HDL 6
Kart with wheels for 4 HDL 6-A

p.n. 13360385 KRT-WH SUB 9004
Kart for 1 SUB 9004-AS

p.n. 13360238 WH PRO 4X
Kit 4 swivel castor 100mm wheels with roller bearing

COVERS

p.n. 13360338 CVR 4X HDL 50
Cover for 4 pieces of HDL 50-A on cart

p.n. 13360433 CVR 3X HDL 38
Cover for 3 pieces of HDL 38-AS on cart

p.n. 13360434 CVR 3X HDL 36
Cover for 3 pieces of HDL 36-AS on cart

p.n. 13360386 CVR 4X HDL 30
Cover for 4 pieces of HDL 30-A on cart

p.n. 13360422 CVR 4X HDL 28
Cover for 4 pieces of HDL 28-A on cart

p.n. 13360339 CVR SUB 9007
Cover for 1 SUB 9007-AS

p.n. 13360363 CVR SUB 9006
Cover for 1 SUB 9006-AS

p.n. 13360397 CVR SUB 9004
Cover for 1 SUB 9004-AS

p.n. 13360167 CVR NX10-SMA
Cover for NX 10-SMA

p.n. 13360174 CVR NX15-SMA
Cover for NX 15-SMA

p.n. 13360168 CVR NX12-SMA

COVERS

Cover for NX 12-SMA

p.n. 13360320 CVR ST 15-SMA
Cover for ST 15-SMA

p.n. 13360319 CVR ST 12-SMA
Cover for ST 12-SMA

p.n. 13360209 CVR HD 12-32
Cover for HD 32-A

p.n. 13360438 CVR HD 15
Protection cover for HD 15-A, HD 35-A and HDM 45-A.

p.n. 13360242 CVR SUB 8006
Cover for SUB 8006-AS

p.n. 13360295 CVR SUB 8005
Cover for SUB 8005-AS

p.n. 13360286 CVR SUB 8004
Cover for SUB 8004-AS

p.n. 13360378 CVR SUB 8003 II
Cover for SUB 8003-AS II

p.n. 13360379 CVR SUB 905 II
Cover for SUB 905-AS II

p.n. 13360409 CVR NX 45
Cover for NX 45-A

p.n. 13360408 CVR NX 32
Cover for NX 32-A

RAIN PROTECTIONS

p.n. 13360337 RP 1X HDL 50
Set of 2x rain covers to protect HDL 50-A input boards

p.n. 13360388 RP 1X HDL 30
Set of 2x rain covers to protect HDL 30-A and HDL 28-A input boards

p.n. 13360352 RP 1X SUB 9007
Rain cover to protect SUB 9007-AS input board

p.n. 13360362 RP 1X SUB 9006
Rain cover to protect SUB 9006-AS input board

p.n. 13360233 RP 1X SUB 8006
1 x Rain Cover for SUB 8006-AS amplifier

p.n. 13360283 RP 1X HDL 20
Rain cover for 2 HDL 20/10 or 2 HDL 18/15

p.n. 13360381 RP 1X HDL 6
1 x Rain Cover for HDL 6

CONTROL AND AUDIO CABLES

p.n. 12399021 CBL LKS 25-2 FANOUT
25 pin to 8X XLR, cable 1.0 meters, fanout 1.0 meters

p.n. 12399022 CBL LK 25 MULTIPIN 20M
25 pin male female cable 20 meters

p.n. 12399023 CBL LK 25 MULTIPIN 10M
25 pin male female cable 10 meters

ACCESSORIES

CONTROL AND AUDIO CABLES

p.n. 12399016 CBL ETHERCON 0.7M
Ethercon cable 0.7 meters. Compatible with RDNET

p.n. 12399017 CBL ETHERCON 1.5M
Ethercon cable 1.5 meters. Compatible with RDNET

p.n. 12399035 CBL ETHERCON 3M
Ethercon cable 3 meters. Compatible with RDNET

p.n. 12399018 CBL ETHERCON 5M
Ethercon cable 5 meters. Compatible with RDNET

p.n. 12399019 CBL ETHERCON TO XLR F 0.2M
Adapter cable Ethercon to XLR female 0.2 meters

p.n. 12399020 CBL ETHERCON TO XLR M 0.2M
Adapter cable Ethercon to XLR male 0.2 meters

POWER DISTRIBUTION

p.n. 12399024 CBL LKS 19 ARRAY FANOUT
Array fan out cable 0.5 - 1.3 - 2.1 - 2.9 - 3.7 - 4.5 M

p.n. 12399025 CBL LKS 19 SUB FANOUT
Sub fan out cable 2X 2.5 - 2X 5.0 - 2X 10.0 M

POWER DISTRIBUTION

p.n. 12399026 CBL LKS 19 BREAKOUT
Breakout box with LKS 19 Input/Output to 6x powercon

p.n. 13360146 CBL LKS 19 POWER 20M
LKS 19 power cable 20 meters

p.n. 12399027 CBL LKS 19 POWER 10M
LKS 19 power cable 10 meters

p.n. 12399028 CBL POWERCON LINK 10M
Powercon link cable 10 meters

p.n. 12399029 CBL POWERCON LINK 5M
Powercon link cable 5 meters

p.n. 12399030 CBL POWERCON LINK 1.5M
Powercon link cable 1.5 meters

p.n. 12399031 CBL POWERCON LINK 0.7M
Powercon link cable 0.7 meters

p.n. 13360145 CBL POWER BOX 6X
Breakout box with LKS 19 Input/Output to 6x powercon

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