



PROFESSIONAL SPEAKER SYSTEMS

the rules of sound



ENG 2009

A person is shown in silhouette on a stage, holding a microphone. The background is a deep blue with a bright blue spotlight on the right and a red light on the left. The overall atmosphere is that of a live performance or recording session.

**Evolution in technology,
Revolution in sound**



Always at the forefront of the audio industry

Established in 1949 in Reggio Emilia, Italy, RCF has, over the years, established itself as a world leader in design, production and marketing of high technology Professional Audio products.

The history of the company started with a parallel development of microphone technology as well as loudspeakers; the early microphone products were highly advanced "Ribbon" designs. This initial development soon followed a natural progression to start the design and manufacture of innovative loudspeaker transducer technology.

RCF transducers soon became legendary and for more than 30 years our woofers, midrange and compression drivers have been used by some very prominent loudspeakers manufacturers worldwide. During these years we started to design and build active professional loudspeakers. This technology, used at the time by a few manufacturers in the world, instantly repositioned RCF as an international speaker manufacturer.

Thanks to our experience and heritage in transducers manufacturing, we have always preferred to design and construct completely all our own components.

Many years dedicated to research resulted in some notable milestones. RCF was the first company to build a 300 W commercial amplifier in the mid sixties and, in the same period, the first in Europe to have a high level Transducer's Research Centre. During this period we built the first of three anechoic chambers that represented one of the focal points of our research and development process.



ART 7 Series

A multi purpose active speakers range representing the finest example of digital audio design, that offers the best audio choice for a multitude of live sound applications.

8



ART Series

Active and passive speakers for live sound reinforcement and stage monitoring as well as distributed sound systems for clubs and music venues.

18



4PRO Series

A complete line of concert systems used the world over thanks to their quality, flexibility and reliability.

32



NX Series

A 'modular system' of innovative line array, monitors and high power sub bass for everyday touring applications.

40

Professional Amplifiers

A complete range of Hig Current and Extended Dynamic power amplifiers for passive speakers or installed sound reinforcement systems in clubs or live venues.

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Accessories

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TECHNOLOGY

RCF invest in a continuous process of constant innovation to guarantee the best possible sound.

We are one of only a few loudspeakers manufacturers worldwide who have the ability to completely design and manufacture transducers, speaker systems, amplification, cabinets and control electronics.

Three engineering departments – acoustic, electronic and mechanical – work closely together to offer innovative projects with finite control of each detail, from the loudspeaker voice coil wire to the highly efficient extended dynamic amplifier topology, to the acoustic projects of the cabinets to the mechanic designs for loudspeakers rigging.

Computer aided simulation software is used to assist the understanding of transducer behaviour and amplifier operation together with the relationship of dynamics and transient response.

We utilise state of the art software packages to identify magnetic circuits, voice coil dynamics, suspension linearity, horn dispersion simulation, crossover filters, amplifier thermal behaviour etc.

Our heritage in audio combined with our state of the art R&D and manufacturing process allow us to seamlessly integrate all the ingredients to design and build our Professional Audio Products.

Transducers

RCF transducers have always represented the ultimate performance, the highest power handling and the most advanced technology, thanks to the purity of sound combining the absence of distortion and the ability to withstand high power levels over a long period of time. RCF has developed a unique voice coil, combining the advantages of inside/outside technology to the superior quality of polyimideimide materials.

The inside/outside coil offers many advantages such as double dissipation surface and best mechanical resistance. Today we continue to push the boundaries with new designs and materials (Neodymium, Kevlar, Mylar carbon fibre, titanium), to use the most advanced moulding and assembly technologies and to operate the same extensive quality control procedures for delivering the best possible sound.



Amplification and electronics

RCF amplifiers and electronic technology has been accurately developed during the years resulting in the most advanced analogue and digital signal processing.

Microprocessor and DSP complex algorithms are designed to offer the maximum flexibility and control. The newly designed DIGIPRO amplifier delivers 500 + 250 Watt in two-way systems and 1000 Watt in bridge subwoofer configurations.

The unique PFC digital power supply is designed to offer a full voltage supply from any plug. Every component is designed to perfectly match the transducers used in each product, resulting in superb performance and maximum reliability.

Manufacturing

In RCF, technology stands side by side with craftsmanship. Along with the most advanced production technology an impressive staff of skilled workers builds and check every component of our products.

In the transducer department every compression driver and low frequency transducer is hand made and carefully checked for the optimum result.

We now manufacture the cabinets for our loudspeakers in our in-house wood shop. We choose the best Baltic Birch wood and cut it with the most advanced Computer Numerical Controlled machines in order to achieve maximum precision and quality. A team of expert wood workers hand-finish every cabinet before the painting process.

The final loudspeaker assembly is made with the maximum care in every detail in order to deliver a perfect, state of the art product.





AMPLIFIERS

All ART 7 Series two-way speakers are equipped with a new generation of 750 Watt Digital Amplifiers, 500 Watt for the woofers and 250 Watt for the compression drivers. The result is very high output, extremely low distortion and an incredible natural sound.

Each amplifier presents both XLR/Jack (Combo) balanced inputs, XLR output link, volume and a switchable EQ Mode (Flat/Boost). The amplifier features a solid mechanical aluminium structure, which not only stabilizes the amplifier during transportation, but also assists in the heat dissipation.

CABINETS

The new loudspeakers design looks aggressive whilst retaining the familiar ART ergonomics and is the result of an extensive combined functional and acoustic research.

The cabinets of the two-way models are moulded in a special polypropylene composite material and are designed to dampen down vibrations even at maximum volume settings.

The reflex porting has been resized to offer a better efficiency and all models are equipped with ergonomically designed forged aluminium handles with rubber handgrip for a better portability.

At the bottom a rugged stainless steel pole mount has been installed.

The new cabinet shape allows every ART 7 Series speaker to be used in the standard configuration as well as in stage monitor mode.

COMPONENTS

All the transducers in the ART 7 Series speakers feature light weight neodymium magnets in order to guarantee a better performance and make for easier transportation. A brand new 2.5" compression driver has been specially developed to reproduce high frequencies in ART 722-A and ART 725-A models, while two new high power 12" and 15" woofers have been made for the ART 902-A and ART 905-A active subwoofers.

The compression drivers and Transducers are precision built, taking advantage of RCF's superior moulding, assembly technologies and a wealth of professional knowledge and experience dedicated to achieving extremely high standards.



ART 725-A / ART 722-A | ART 715-A / ART712-A | ART 710-A

Evolution in technology, Revolution in sound

PRODUCT	WOOFER	C.DRIVER	POWER	DIRECT.	MAX SPL
ART 710-A	10"neo, 2.5" v.c.	1"neo - 1.75" v.c.	750 W	90°x70°	129 dB
ART 712-A	12"neo, 3" v.c.	1"neo, 1.75" v.c.	750 W	90°x60°	129 dB
ART 715-A	15"neo, 3.5" v.c.	1"neo, 1.75" v.c.	750 W	90°x60°	130 dB
ART 722-A	12"neo, 3" v.c.	2"neo, 2.5" v.c.	750 W	90°x60°	130 dB
ART 725-A	15"neo, 3.5" v.c.	2"neo, 2.5" v.c.	750 W	90°x60°	131 dB
ART 902-AS	12", 3" v.c.	-	1000 W	-	130 dB
ART 905-AS	15", 3" v.c.	-	1000 W	-	131 dB

The complete range of the ART 7 Series is composed of five two-way active speakers and two high power subwoofers models. All the loudspeakers are equipped with a new generation of 750 Watt digital amplifiers, neodymium transducers and compression drivers. The subwoofers models include a newly designed 1000 Watt digital amplifier.



ART 710-A STAGE MONITOR POSITION



ART 722-A ON TOP OF ART 905-AS

ART 710-A

ACTIVE TWO-WAY SPEAKER

- 750 Watt digital bi-amplification
- 129 dB max spl
- 90 x 70, Wide dispersion constant directivity horn
- 10" woofer, high power neodymium 2.5" voice coil
- 1" HF driver, titanium dome, neodymium 1.75" voice coil
- PFC power factor correction

Your tour schedule is fixed and most of the venues are small and crowded places?

The ART 710-A is what you need: an extremely compact and powerful speaker.

It is in fact, the smallest model of the 7 Series, capable of delivering an astonishing power of 129 dB. Thanks to its size and to the aluminium top handle with rubber handgrip it can be easily transported and stored everywhere.



All ART 7 Series speakers amplifiers are mounted on an aluminium plate that integrates the rubber coated aluminium top handle. This structure design results in a stronger and easy to transport cabinet.

The back shape of the cabinet is ideal for floor monitoring in left or right position.



ART 710-A

SUGGESTED SUBWOOFER

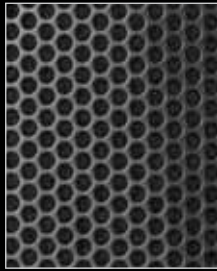
ART 902-AS
ART 905-AS

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TWO-WAY ACTIVE SPEAKERS



ART 7 Series cabinets feature two M10 threaded fly points, one at the top one at the bottom, for installation purposes with vertical "U" bracket.



All the speakers of ART 7 Series features steel front grille with a special foam on the inside.



Each ART 7 Series amplifier presents both XLR/Jack (combo) balanced inputs and XLR output link.



The ART 710-A is optimised for use with the high output ART 902-AS active subwoofer for enhanced sound system in large venues.

ART 710-A ON TOP OF ART 902-AS

ART 712-A

ACTIVE TWO-WAY SPEAKER

- 750 Watt digital bi-amplification
- 129 dB max spl
- 90 x 60, Wide dispersion constant directivity horn
- 12" woofer, high power neodymium 3" voice coil
- 1" HF driver, titanium dome, neodymium 1.75" voice coil
- PFC power factor correction

ART 715-A

ACTIVE TWO-WAY SPEAKER

- 750 Watt digital bi-amplification
- 130 dB max spl
- 90 x 60, Wide dispersion constant directivity horn
- 15" woofer, high power neodymium 3.5" voice coil
- 1" HF driver, titanium dome, neodymium 1.75" voice coil
- PFC power factor correction

You need to amplify some speech, recorded music and finish the show with a live set?

ART 712-A is the answer: a multi purpose speaker that represents the best choice for situations in which a full frequency range with punchy bass and high definition is needed. The ART 712-A is a very versatile speaker that can be easily used also for monitoring applications.



ART 712-A, 715-A, 722-A and 725-A are equipped with 3 ergonomically designed forged aluminium handles with rubber handgrip – 2 on the sides and one at the top.

Tired of worrying about the fact that the voice isn't cutting through the mix on the stage?

Well, why not try the ART 715-A as a stage monitor. This is the perfect speaker for live sound situations where you need extra punch in bass reproduction and extremely accurate high frequency response to hear the voice when the band is playing at full throttle.



The reflex porting have been designed and sized to offer the best efficiency in bass reproduction and low distortion.

TWO-WAY ACTIVE SPEAKERS



A rugged powder coated steel pole mount has been installed in all ART 7 Series models.



The low frequency transducers in the ART 7 Series loudspeakers feature light weight neodymium magnets for a better performance and easier transportation.



By pushing the Boost button the high and low frequencies are emphasized for a better balance while listening to music at low volume.



ART 712-A

SUGGESTED SUBWOOFER

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ART 715-A

SUGGESTED SUBWOOFER

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ART 722-A

ACTIVE TWO-WAY SPEAKER

- 750 Watt digital bi-amplification
- 130 dB max spl
- 90 x 60, Wide dispersion constant directivity horn
- 12" woofer, high power neodymium 3" voice coil
- 2" HF driver, titanium dome, neodymium 2.5" voice coil
- PFC power factor correction



ART 722-A

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Is the venue for the show bigger than you've expected?

This is not a problem with the ART 722-A. Thanks to its wide dispersion 90° x 60° low distortion, constant directivity horn and its linear and precise deep frequency control, it is the perfect solution when you need enough volume power for longer throw application in larger venues.



ART 725-A

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TWO-WAY ACTIVE SPEAKERS

Looking for a portable system that delivers a superb house kicking sound?

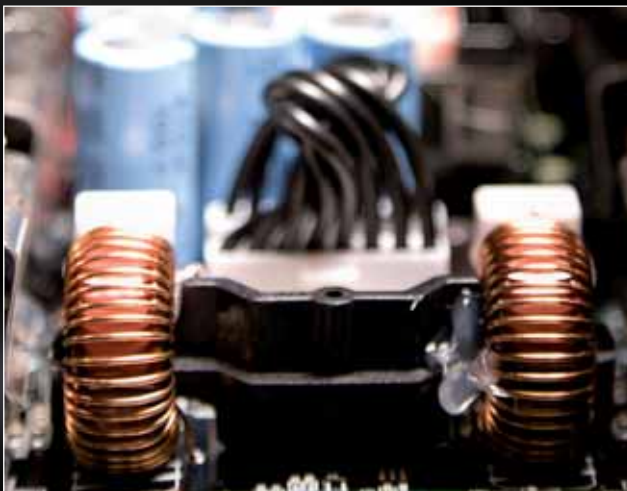
Then go for the ART 7 Series flagship. Capable of a maximum SPL of 131 dB the ART 725-A is the ideal for live sound and installed situations. Thanks to its 15" neodymium woofer and a 2" high frequency driver it delivers a clean midrange output, accurate high frequencies and an impressive deep bass. The ART 725-A is the reference speaker for professionals DJs, bands and rental companies.

ART 725-A ACTIVE TWO-WAY SPEAKER

- 750 Watt digital bi-amplification
- 131 dB max spl
- 90 x 60, Wide dispersion constant directivity horn
- 15" woofer, high power neodymium 3.5" voice coil
- 2" HF driver, titanium dome, neodymium 2.5" voice coil
- PFC power factor correction



The large sized constant directivity horn is designed to offer a precise 90° x 60° directivity. The mid high frequencies are transparent, accurate and free from distortion.



All the Art 7 Series is equipped with a newly designed DIGIPRO professional digital amplifier. Class D advanced technology, integrated heat-sink for best thermal dissipation. The unique PFC digital power supply is designed to offer a full voltage supply from any type of plug available.



The ND651 is a new high power 2.5" neodymium compression driver that has been specifically developed to reproduce high frequencies in ART 722-A and ART 725-A models.

ART 902-AS

ACTIVE SUBWOOFER

- 1000 Watt digital amplifier
- 130 dB max spl
- 12" woofer, high power 3" copper coil
- Xover 80-120 Hz switch, phase switch
- Mono/Stereo combo xlr/jack input
- PFC power factor correction

ART 905-AS

ACTIVE SUBWOOFER

- 1000 Watt digital amplifier
- 131 dB max spl
- 15" woofer, high power 3" copper coil
- Xover 80-120 Hz switch, phase switch
- Mono/Stereo combo xlr/jack input
- PFC power factor correction

Need a powerful bass enhanced system that won't completely fill your van?

The ART 902-AS active subwoofer is what you're looking for. Thanks to the newly designed 12" high power neodymium woofer it delivers granite like bass punch for any kind of application in a compact and easy to transport enclosure. The cabinet is made in Baltic Birch and heavy duty painted to withstand the life on the road.



A rugged powder coated steel pole mount has been installed on top of Art 7 Series subwoofers to provide a pole mount option for various satellites.

Are you looking for a deep and punchy bass in a small pack?

The choice is easy: ART 905-AS. It is an extremely compact and easy to transport high power active subwoofer, just a bit larger than the 902-AS in order to take the newly designed 15" neodymium woofer for a deeper bass punch. The cabinet is made in Baltic Birch and heavy duty painted.



The amplifier is integrated in the back of the cabinet. The panel is in heavy duty die cast aluminium, the power board and input board are recessed.

ACTIVE POWER SUBWOOFERS



The Art 7 Series subwoofers input board features:

- 1 - Volume knob
- 2 - Stereo combo xlr/jack inputs
- 3 - Stereo xlr link/crossover outputs
- 4 - A special switch to commutate the outputs from full-range to high-pass
- 5 - A 80 hz/110 hz crossover selection switch
- 6 - A useful 180° phase switch
- 7 - 4 System status led



ART 902-AS



ART 905-AS



AMPLIFIERS

ART Series amplifiers are based around 350 Watt for the low frequencies and 50 Watt for the high Bi-Amplified monolithic modules. The input board of ART 312-A, 315-A, 322-A, 325-A 522-A and 525-A models presents XLR and Jack balanced inputs, XLR output link, Mic/Line selectable input, switchable Eq Mode (Voice/Music), optional remote control for volume, mute button and equalization. ART 310-A input board features XLR inputs and outputs and volume control. Each amplifier is set-up to optimize the performance in conjunction to the specific transducers in each model. The ART 522-A and ART 525-A are equipped with powerful 750 Watt digital amplifiers while the ART 705-AS subwoofer incorporates a High Current 800 W Class H amplifier.

CABINETS

When in 1996 we moved into the forefront of active speakers technology with the ART Series, we put into this speakers the results of years of experience in plastic cabinet designs, setting a new standard for portable active loudspeakers.

The bass reflex cabinets of the ART Series are moulded in a special polypropylene composite material, which provides superior stiffness for the weight and excellent low frequency damping.

Each cabinet is equipped with ergonomically designed handles on each side and a comfortable top handle for easy manoeuvrability in every situation.

Four M10 threaded inserts are provided for optional mounting hardware for installed sound applications and each cabinet has a built in pole mount adaptor.

TRANSDUCERS

ART Series loudspeakers are equipped with woofers designed for superior reproduction of acoustic signals up to the crossover frequency. Our massive magnets offer superior bass control and mid-bass voice presence and the speaker cones are optimized for shape and pulp composition. The edge wound copper clad aluminium voice coils provide maximum efficiency and high speed for accurate transient response while Inside/Outside winding gives maximum reliability. The magnetic circuit technology that has been used for the compression drivers allows reaching levels that exceed 2 Kilogauss in the gap. All ART Series speakers reproduce incredible transparent and accurate high frequencies thanks to RCF pure titanium diaphragms and proprietary high-pressure oxygen free moulding technology.



ART 522-A | ART 525-A

Art generation

PRODUCT	WOOFER	C.DRIVER	POWER	DIRECT.	MAX SPL
ART310-A	10" neo, 2.5" v.c.	1" neo, 1.5" v.c.	350 W	90°x70°	127 dB
ART312-A	12", 2.5" v.c.	1" neo, 1.5" v.c.	350 W	90°x60°	127 dB
ART315-A	15", 2.5" v.c.	1" neo, 1.5" v.c.	350 W	90°x60°	128 dB
ART322-A	12", 3" v.c.	2" neo, 2.5" v.c.	400 W	90°x60°	128 dB
ART325-A	15", 3" v.c.	2" neo, 2.5" v.c.	400 W	90°x60°	129 dB
ART522-A	12" neo, 3" v.c.	2" neo, 2.5" v.c.	750 W	90°x60°	130 dB
ART525-A	15" neo, 3.5" v.c.	2" neo, 2.5" v.c.	750 W	90°x60°	131 dB
ART705-AS	15", 3" v.c.	-	800 W	-	130 dB
ART310	10" neo, 2" v.c.	1" neo, 1.5" v.c.	300 W AES	90°x70°	127 dB
ART312	12", 2.5" v.c.	1" neo, 1.5" v.c.	300 W AES	90°x60°	127 dB
ART315	15", 2.5" v.c.	1" neo, 1.5" v.c.	300 W AES	90°x60°	128 dB

The ART Series is composed of 7 active and 3 passive speakers and a high power compact subwoofer. All models are equipped with extremely high quality compression drivers. ART 310-A, 522-A and 525-A include high power neodymium woofers.

ART Series speakers can be used as a main PA system or for monitoring applications offering unparalleled performance in both fixed installation and live situations.



ART 310-A | ART 312-A | ART 325-A ON TOP OF ART 705-AS



ART 310-A

ACTIVE TWO-WAY SPEAKER

- 350 Watt bi-amplification
- 127 dB max spl
- 90 x 70, Wide dispersion constant directivity horn
- 10" woofer, high power neodymium 2,5" voice coil
- 1" HF driver, titanium dome, neodymium 1.5" voice coil

ART 310-A is a 10" reference speaker.

Thanks to its incredible amplifier's power, the high quality neodymium transducers and very compact size cabinet, it is the ideal speaker in all the situations where the output of a PA system and the size of a monitor are important.

The 10" neodymium woofer features a 2.5" voice coil and delivers very high efficiency and controlled bass reproduction.

It can be used for live sound, playback, monitoring, corporate events and presentations.

The ART 310-A is incredibly lightweight and very easy to transport everywhere.



ART 310-A

SUGGESTED SUBWOOFER

ART 705-AS
ART 902-AS

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TWO-WAY ACTIVE SPEAKERS



An ergonomic top handle is provided for easy transportation.



A 2 steps class H design is used to power the low frequencies and the compression driver amplifier is a warm and clear class AB design.



The Mic selector adjusts the input sensitivity allowing the plug of a microphone directly into the speaker.





ART 312-A

ACTIVE TWO-WAY SPEAKER

- 350 Watt bi-amplification
- 127 dB max spl
- 90 x 60, Wide dispersion constant directivity horn
- 12" woofer, high power 2.5" voice coil
- 1" HF driver, titanium dome, neodymium 1.5" voice coil

ART 312-A is the optimum choice for live sound situations where an exceptional full range, outstanding bass reproduction and accurate high frequency delivery is required.

The 12" woofer delivers a fast and accurate reproduction of the midbass frequency range and controlled deep bass while the 1" compression driver offers a very open and natural midrange sound and extreme precision high frequencies reproduction.



Thanks to the cabinet's shape, the ART 312-A is perfect for monitoring applications.

ART 315-A

ACTIVE TWO-WAY SPEAKER

- 350 Watt bi-amplification
- 128 dB max spl
- 90 x 60, Wide dispersion constant directivity horn
- 15" woofer, high power 2.5" voice coil
- 1" HF driver, titanium dome, neodymium 1.5" voice coil

ART 315-A is the perfect speaker for live sound situations where extra vocal punch and extremely accurate high frequency response is needed.

The 15" woofer delivers a very tight punchy bass and an accurate reproduction of the midrange .

The high frequencies are precise and natural thanks to the compression driver with titanium dome in front of a low compression, optimised geometry, radial phase plug.

Thanks to the versatility in both monitoring and playback, it represents the ideal multipurpose solution.



The speakers are equipped with a tough, built in pole mount adaptor.

TWO-WAY ACTIVE SPEAKERS



A 15" high power woofer with 2.5" edge wound aluminium voice coil is housed in the ART 315-A, resulting in an accurate reproduction of the mid bass frequencies and a punchy bass.



Four M10 fly points are provided for install applications.



ART 312-A

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ART 315-A

SUGGESTED SUBWOOFER | ART 705-AS [PAGE 28](#)
ART 905-AS [PAGE 16](#)



ART 322-A

ACTIVE TWO-WAY SPEAKER

- 400 Watt bi-amplification
- 128 dB max spl
- 90 x 60, Wide dispersion constant directivity horn
- 12" woofer, high power 3" voice coil
- 2" HF driver, titanium dome, neodymium 2.5" voice coil

ART 325-A

ACTIVE TWO-WAY SPEAKER

- 400 Watt bi-amplification
- 129 dB max spl
- 90 x 60, Wide dispersion constant directivity horn
- 15" woofer, high power 3" voice coil
- 2" HF driver, titanium dome, neodymium 2.5" voice coil

ART 322-A offers an extremely linear response and precise, deep low frequency control thanks to the perfect blend of the fast and high efficiency transducers.

It is the ideal speaker for main front of house PA and high power monitoring and it is the best solution where the power of a 2" compression driver is required for longer throw applications in larger venues.



A strong ergonomic top handle allows an easier lift for positioning the speaker.

ART 325-A is ideal in live sound and installed situations.

Thanks to its deep bass punch, clean midrange output and accurate high frequencies, it offers the ultimate intelligibility in vocal and recorded music, from live sound to playback and from monitoring to fixed installation applications.



Two ergonomic side handles are provided for easier transportation.

TWO-WAY ACTIVE SPEAKERS



ART 322-A and 325-A include the ND2530 2" neodymium compression with a pure titanium dome featuring a complex geometry suspension and direct drive coil offering a transparent midrange sound and extreme fidelity in high frequencies reproduction.



The bass reflex ports have been designed for superb bass response.



ART 322-A

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ART 325-A

SUGGESTED SUBWOOFER | ART 905-AS [PAGE 16](#)
4PRO 8001-AS [PAGE 39](#)

ART 522-A

ACTIVE TWO-WAY SPEAKER

- 750 Watt digital bi-amplification
- 130 dB max spl
- 90 x 60, Wide dispersion constant directivity horn
- 12" woofer, high power neodymium 3" voice coil
- 2" HF driver, titanium dome, neodymium 2.5" voice coil

ART 525-A

ACTIVE TWO-WAY SPEAKER

- 750 Watt digital bi-amplification
- 131 dB max spl
- 90 x 60, Wide dispersion constant directivity horn
- 15" woofer, high power neodymium 3,5" voice coil
- 2" HF driver, titanium dome, neodymium 2.5" voice coil

ART 522-A is equipped with a powerful 750 W digital amplifier, a complete electronic processor section and premium RCF low distortion, high power neodymium transducers.

The ART 522-A features a 12" woofer that, with a 3" inside-outside aluminium coil and a powerful magnetic structure, guarantees a fast and accurate mid-bass frequency range.



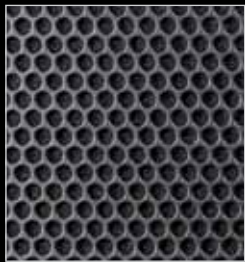
ART 522-A

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4PRO 8003-AS [PAGE 35](#)

TWO-WAY ACTIVE SPEAKERS



The top of class compression driver enclosed in the ART 522-A and 525-A uses a pure titanium dome featuring a vented suspension and is powered from a massive high flux neodymium magnet and an edge wound 2.5" aluminium voice coil.



The woofer is protected by a thick, powder coated, metal grille formed in a special texture to guarantee a very clear output.

ART 525-A presents a 750 W digital amplifier, complete electronic processor section and high power, low distortion RCF neodymium transducers.

The 15" high power neodymium transducer is capable of delivering a terrific bass reproduction thanks to its 3.5" inside-outside aluminium coil and powerful magnetic structure.



ART 525-A

SUGGESTED SUBWOOFER | 4PRO 8003-AS | PAGE 35

ARTSERIES

ART 705-AS ACTIVE SUBWOOFER

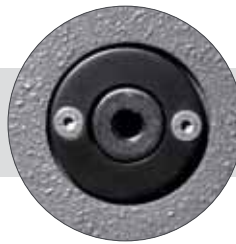
- 800 Watt amplification
- 130 dB max spl
- 15" woofer, high power 3" voice coil
- Xover selector, phase switch and high pass outputs
- 40 Hz response down

The ART 705-AS's woofer technology uses high temperature polyimide voice coil assemblies with state of the art curing processes plus advanced magnetic structures and efficient cooling systems that re-defines audio subwoofer performance standards.

ART 705-AS is an extremely compact high output active subwoofer system that delivers tight, fast controlled bass response at very high efficiency levels.

The High Current 800 W Class H amplifier provides the best performance alongside an increased dynamic range. The Baltic Birch plywood enclosure is painted with black, heavy duty, textured epoxy. The front is protected from a strong powder coated, metal grille.

The RCF Precision "Inside/Outside" voice coils assure long term reliability and vastly reduced power compression. ART 705-AS applications include small to medium size live music and playback, portable PA systems for speech and multimedia, mobile DJs and fixed installations.



Two M10 inserts are provided on the back of the cabinet for a fast assembly of the speaker kart accessory.



The cabinet is equipped with two strong ergonomic handles for easy transportation and positioning.

ACTIVE SUBWOOFERS



ART 705-AS INPUT PANEL

- 1 - Combo jack/xlr female input connectors (bal/unbal)
- 2 - Male xlr output link connectors
- 3 - Male xlr stereo crossover outputs
- 4 - Recessed line level control
- 5 - Recessed phase control switch
- 6 - Recessed crossover switch
- 7 - 4 System status leds



ART 705-AS

ART 310

PASSIVE TWO-WAY SPEAKER

- 300 Watt power handling
- 127 dB max spl
- 90 x 70, Wide dispersion constant directivity horn
- 10" woofer, high power neodymium 2" voice coil
- 1" HF driver, titanium dome, neodymium 1.5" voice coil

ART 310 is a 10" passive speaker ideal for installation purposes.

Thanks to its high quality neodymium transducers and very compact sized cabinet, it is the perfect speaker in all the situations where the output of a PA system and the size of a monitor are important.

The 10" neodymium woofer features a 2.5" voice coil and delivers very high efficiency and controlled bass reproduction.

The ART 310 is very easy to install due to it being incredibly lightweight and the two M10 fly points.



ART 310

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- 300 Watt power handling
- 127 dB max spl
- 90 x 60, Wide dispersion constant directivity horn
- 12" woofer, high power 2.5" voice coil
- 1" HF driver, titanium dome, neodymium 1.5" v.c.

- 300 Watt power handling
- 128 dB max spl
- 90 x 60, Wide dispersion constant directivity horn
- 15" woofer, high power 2.5" voice coil
- 1" HF driver, titanium dome, neodymium 1.5" v.c.

ART 312

PASSIVE TWO-WAY SPEAKER

The ART 312 is a two-way passive sound reinforcement speaker with careful acoustic design and innovative transducers technology.

The high frequencies are extremely accurate thanks to the 1" compression driver while a powerful mid-bass is guaranteed by a 12" high power woofer. Installation is easy thanks to the four M10 flying points of the cabinet.

ART 315

PASSIVE TWO-WAY SPEAKER

The ART 315 is a two-way passive sound reinforcement speaker with careful acoustic design and innovative transducers technology.

A superb bass punch is guaranteed by the high power 15" low distortion woofer. ART 315 is the perfect solution for playback and installation situations where an external amplifier is required. It is equipped with four M10 flying points.



ART 312

SUGGESTED SUBWOOFER | 4PRO 8001-S | PAGE 39

ART 315

SUGGESTED SUBWOOFER | 4PRO 8001-S | PAGE 47

4PRO SERIES

AMPLIFIERS

All the 4PRO models are designed using the vast technical and practical experience that we possess in the active loudspeaker technology.

Each amplifier has a specific input board and set-up to optimise the performance in conjunction to the specific transducers in each model.

The rear panel is equipped with XLR/Jack (Combo) balanced inputs, XLR output link, protected gain control and Powercon or VDE Mains Input.

The subwoofer's amplifier offers mono/stereo inputs, protected gain control, low pass filters, mono/stereo crossover outputs, crossover frequency selection switch and phase control switch.

CABINETS

All 4PRO cabinets are made in Baltic Birch, heavy duty painted with textured black epoxy paint.

4PRO 3003-A and 4003-A cabinets are coated with ultra strong vinyl while top and bottom endcaps are moulded in high-density compact polystyrene.

All models are equipped with professional handles for best handling and transportation.

4PRO 6001-A and 7001-A are equipped with fly track hardware.

TRANSDUCERS

For the design of the 4PRO series, all new high frequency drivers and midrange units have been developed. Our world famous 18" woofer is the choice for the subwoofer models of the series.

The compression drivers are the latest in neodymium magnetic circuit technology, reaching levels that exceed 2 Kilogauss in the gap. The pure titanium diaphragms are able to reproduce transparent and accurate high frequencies, true to all the audio range.

The low frequency transducers used in the 4PRO series have been designed for superior reproduction of acoustic signals up to the crossover frequency.



4PRO 3002-SMA

Pro experience, 4PRO sound

PRODUCT	WOOFER	MIDRANGE	C.DRIVER	POWER	DIRECT.	MAX SPL
4PRO 3002-SMA	12" neo, 3" v.c.	-	2" neo, 2.5" v.c.	400 W	40°x60°	130 dB
4PRO 3003-A	15" neo, 3" v.c.	-	1" neo, 1.75" v.c.	750 W	90°x40°	131 dB
4PRO 4003-A	2x15" neo, 3" v.c.	-	1" neo, 1.75" v.c.	750 W	90°x40°	132 dB
4PRO 6001-A	2x12" neo, 3" v.c.	8" neo, 3" v.c.	1" neo, 1.75" v.c.	950 W	80°x60°	134 dB
4PRO 7001-A	15", 3" v.c.	10" neo, 2.5" v.c.	2", 2.5" v.c.	950 W	90°x60°	130 dB
4PRO 8001-AS	18", 4" v.c.	-	-	800 W	-	133 dB
4PRO 8002-AS	18", 4" v.c.	-	-	800 W	-	134 dB
4PRO 8003-A	18" neo, 4" v.c.	-	-	1000 W	-	134 dB
4PRO 8001-S	18", 4" v.c.	-	-	-	-	133 dB

Since its introduction into the market, the 4PRO Series has become the standard for professional bands and musicians, clubs and live concert venues that want compact high-performance loudspeakers. 4PRO looks great stacked, on poles, or flown with simple integrated rigging points on top and bottom.



4PRO 4003-A | 4PRO 3003-A ON 4PRO 8003-AS

4PRO SERIES

4PRO 4003-A

ACTIVE TWO-WAY SPEAKER

- 750 Watt digital bi-amplification
- 132 dB max spl
- 90 x 40, Wide dispersion constant directivity horn
- 2x15" woofer, high power neodymium 3" voice coil
- 1" HF driver, titanium dome, neodymium 1.75" voice coil
- PFC power factor correction

The 4PRO 4003-A is a self-powered, lightweight two-way full bandwidth loudspeaker system equipped with two 15" woofers and a 1.75" voice coil diaphragm, neodymium compression driver mounted to a constant directivity horn.

The 90° angle is wide enough to provide coverage of an audience when used one per side, yet narrow enough to allow displaying of multiple enclosures without excessive coverage overlap.

The 4PRO 4003 is the ideal choice when the application requires high performance and simple set-up.



4PRO 4003-A

SUGGESTED SUBWOOFER | 4PRO 8003-AS [PAGE 35](#)

4PRO 3003-A

ACTIVE TWO-WAY SPEAKER

- 750 Watt digital bi-amplification
- 131 dB max spl
- 90 x 40, Wide dispersion constant directivity horn
- 15" woofer, high power neodymium 3" voice coil
- 1" HF driver, titanium dome, neodymium 1.75" voice coil
- PFC power factor correction

The 4PRO 3003-A is a two-way active bass reflex loudspeaker offering extraordinary fidelity and power with controlled coverage.

It provides high power output, low distortion and consistent polar response in a lightweight compact enclosure.

The 4PRO 3003 comprises a 15" neodymium woofer and a 1.75" voice coil diaphragm, neodymium compression driver that is mounted to a 90° x 40° constant directivity horn.



4PRO 3003-A

4PRO 8003-AS

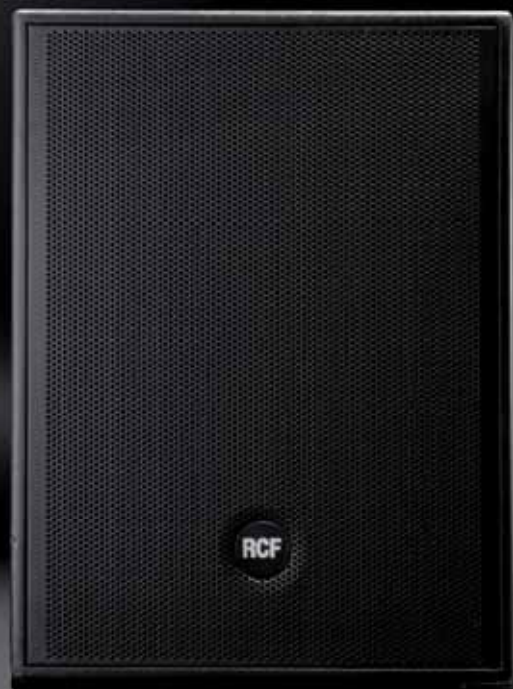
ACTIVE SUBWOOFER

- 1000 Watt digital amplifier
- 134 dB max spl
- 18" woofer, high power neodymium 4" voice coil
- Large port area, for reduced distortion
- PFC power factor correction

The 4PRO 8003-AS is a vented, high output, active subwoofer system where the punch of a single 18" is desired.

It is powered by a 1000 W compact and lightweight digital amplifier and the port area has been carefully designed for reduced distortion. It works equally well for portable or install applications and it is engineered to complement full-range loudspeakers in a wide range of PA situations.

The 4PRO 8003-AS can be used with ART 7 Series 725-A and 715-A, as well as ART Digital 522-A and 525-A.



4PRO 8003-AS

SUGGESTED SUBWOOFER | 4PRO 8003-AS PAGE 35

4PRO SERIES

4PRO 6001-A

ACTIVE THREE-WAY SPEAKER

- 950 Watt three-amplification
- 134 dB max spl
- 80 x 60, Wide dispersion constant directivity horn
- 2x12" woofer, high power neodymium 3" v.c.
- 8" midrange, high power neodymium 3" v.c.
- 1" HF driver, titanium dome, neodymium 1.75" v.c.

The 4PRO 6001-A is a high output, medium-throw, 3 way speaker designed for high demanding professional live sound systems.

It integrates a massive power 950 W amplifier, a complete electronic procession section and full neodymium RCF low distortion, high power transducers.

RCF unique 8" sealed basket midrange has been specifically optimised in conjunction with the 4PRO 6001-A midrange horn.

The incredible output and the extreme linearity and accuracy in reproduction make it perfect for main PA, side fills, night clubs and corporate events making it a clear reference in its class.



4PRO 6001-A

SUGGESTED SUBWOOFER

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4PRO 8002-AS	PAGE 38
4PRO 8003-AS	PAGE 35

4PRO 7001-A

ACTIVE THREE-WAY SYSTEM

- 950 Watt three-amplification
- 134 dB max spl
- 60 x 40, controlled dispersion, low distortion, mid-high horns
- 2x15" midbass, high power neodymium 3" v.c.
- 10" midrange, high power neodymium 3" v.c.
- 2" HF driver, titanium dome, neodymium 2.5" v.c.

4PRO 7001-A is a leading edge speaker that is powerful and precise in concert and sound applications and equally impressive in professional sound systems such as large clubs and theatres.

It is an arrayable, active, medium-throw system that integrates a massive power 950 W amplifier, a complete electronic processor section and full neodymium RCF low distortion, high power transducers. Any element of the system is pushed well below its limit and the final result is a remarkably clean and transparent sound, with the lowest distortion, an increased overall output and an exceptionally smooth frequency response.

4PRO 7001-A INPUT PANEL

- 1 - Combo jack/xlr female input/output connectors (bal/unbal)
- 2 - Xlr in/out mb section time delay insert
- 3 - Mh section speakon output
- 4 - Recessed line level control
- 5 - Recessed mh section phase control switch
- 6 - Selectable equalisation network control switch
- 7 - 4 System status leds



4PRO 7001-A

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	4PRO 8002-AS	PAGE 38
	4PRO 8003-AS	PAGE 35

4PRO SERIES

4PRO 8002-AS ACTIVE BANDPASS SUBWOOFER

- 800 Watt high current amplifier
- 134 dB max spl
- 18" woofer, high power 4" voice coil

The 4PRO 8002-AS is an active, high output, bandpass subwoofer system.

It is equipped with a 18" high power woofer in combination with a 800 W amplifier. It can be used along with the 4PRO Series, ART Series and ART 7 Series speakers and it is the ideal complement for existing active or passive PA. Its applications include main PA, side fills, night clubs and corporate events.



4PRO 8002-AS

4PRO 8001-AS

ACTIVE BASS REFLEX SUBWOOFER

- 800 Watt high current amplifier
- 133 dB max spl
- 18" woofer, high power 4" voice coil

4PRO 8001-S

PASSIVE SUBWOOFER

- 1000 Watt power handling
- 133 dB max spl
- 18" woofer, high power 4" voice coil
- Low pass xover and high pass output
- 2xNL4 speakon connector

4PRO 8001-AS is an active, high output, bass reflex subwoofer system featuring a 18" high power woofer in combination with 800 W massive amplifier.

It is the ideal complement for 4PRO Series and ART Series speakers and it is perfect when it is necessary to increase the system headroom and an extended bass response is needed.

The 4PRO 8001-AS can be used for main PA, side fills, night clubs and corporate events.

4PRO 8001-S is a passive technology high output bass reflex subwoofer system featuring a 18" high power woofer.

This compact enclosure provides outstanding efficiency in sound pressure levels compared to its size and it is the ideal complement for existing active or passive PA.

The 18" low frequency woofer guarantees a fast and controlled reproduction of the bass frequency range and the 4" inside-outside copper voice coil minimizes the power compression and extends the life of the transducer.



4PRO 8001-AS

4PRO 8001-S



AMPLIFIERS

The NX line array and the 2-way speakers are equipped with a new generation of 750 W digital amplifiers, 500 W for the woofers and 250 W for the compression drivers – delivering very high output, extremely low distortion and incredibly natural sound.

The NX S25-A and S21-A include a high output 1000 W digital amplifier.

We developed a state of the art digital amplification topology to perfectly match the transducers in each model, the result is a perfectly optimized loudspeaker series, which provides high-end audio coverage even at extreme sound pressure levels, unmatched reliability and acoustic compatibility across the whole series.

All amplifiers present soft peak limiter, thermal and RMS protections.

TRANSDUCERS

Our legendary transducer technology coupled with premium digital amplifiers has been used in the NX Series.

All the loudspeakers and subwoofer feature light weight neodymium magnets in order to guarantee a better performance and make for easier transportation.

The NX S21-A includes a newly designed 21" low frequency professional transducer which delivers superb bass dept and power.

CABINET

All cabinets are made in Baltic Birch and heavy duty painted to withstand the life on the road and offers a wide range of practical mounting hardware, such as rubber coated aluminium handgrips and fly tracks inserts, to cover all aspects of system integration, which assist in the overall simple and effortless system set-up.

The reflex porting has been resized to offer a better efficiency and reduced distortion.



NX M15-A | NX M12-A | NX M10-A



Touring audio solutions

PRODUCT	WOOFER	C.DRIVER	POWER	DIRECT.	MAX SPL
NX L23-A	12" neo, 3.5" v.c.	3x1", 1.75" v.c.	750 W	100°x15°	133 dB
NX M10-A	10" neo, 2" v.c.	1" neo, 1.75" v.c.	750 W	90°x70°	129 dB
NX M12-A	12" neo, 3" v.c.	1" neo, 1.75" v.c.	750 W	90°x40°	130 dB
NX M15-A	15" neo, 3.5" v.c.	1" neo, 1.75" v.c.	750 W	90°x40°	131 dB
NX S25-A	2x15", 3" v.c.	-	1000 W	-	136 dB
NX S21-A	21" neo, 4.5" v.c.	-	1000 W	-	135 dB

The NX Series is a line of active loudspeakers specifically designed to be the everyday tool for rental companies and professional musicians. Six models comprise the NX range: a line array module, three two-way monitors suitable both for PA systems and monitoring applications and two subwoofers.





LINE ARRAY MODULES

NX L23-A

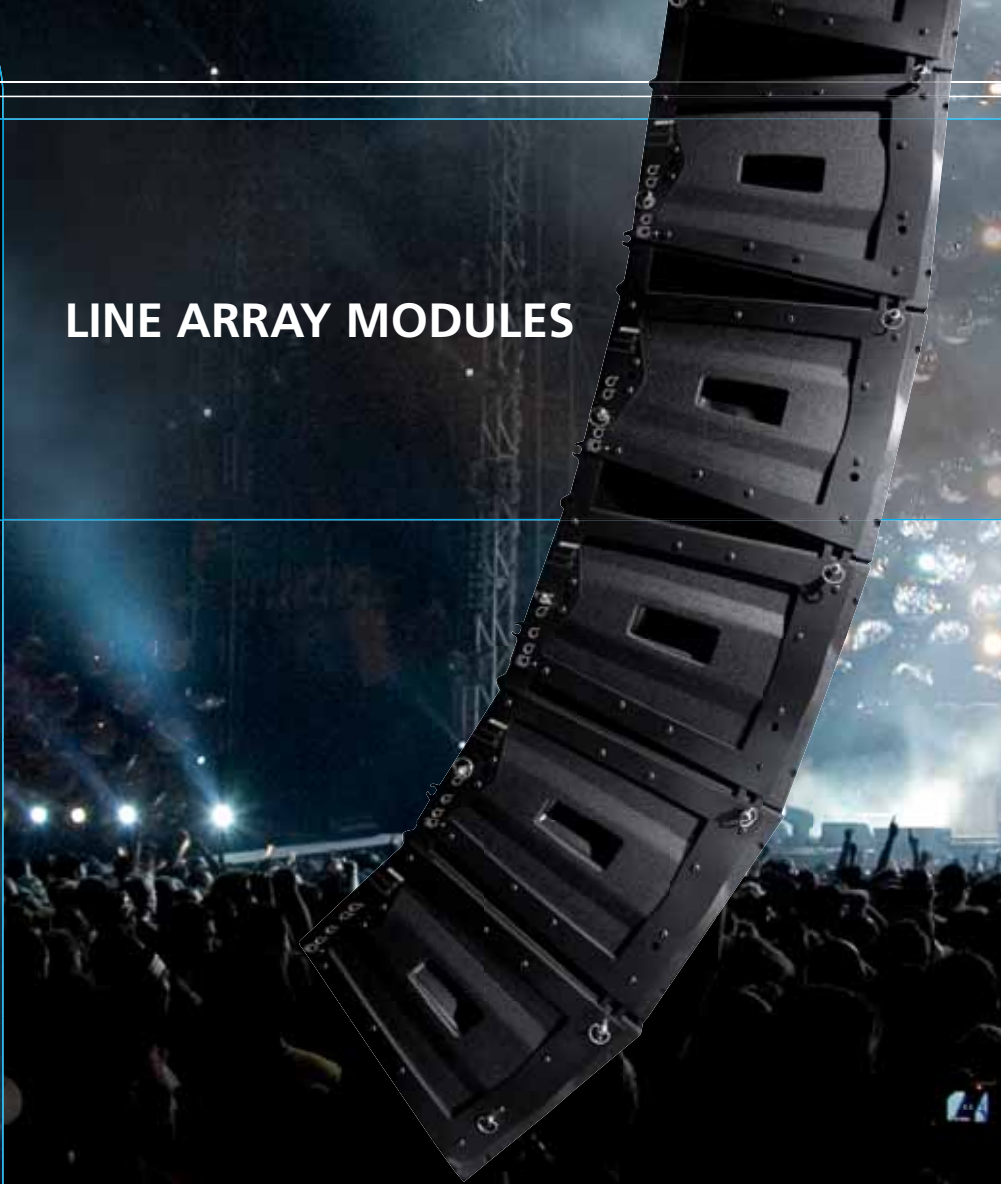
ACTIVE LINE ARRAY MODULE

- 750 Watt digital bi-amplification
- 133 dB max spl
- 100 x 15, Wide dispersion constant directivity angle
- 12" woofer, high power neodymium 3.5" voice coil
- 3x1" HF driver, titanium dome, neodymium 1.75" voice coil
- PFC power factor correction

A very compact, active, two-way line array loudspeaker module that delivers extraordinary power handling, clarity, flexibility and great sound in a compact, easy to handle and affordable package.

The 750 Watt Class-D amplifier module accurately match the high quality analogue signal input board with precise, complex filter response that result in the natural, detailed reproduction of the best radiating designs.

The NX L23-A is the ideal choice when line array performance is needed and a fast and easy set up is a must.



The NX L23-A array modules couple to each other with angles from 0 to 15 degrees.

It is possible to fly up to 8 modules per side.



NX L23-A

SUGGESTED SUBWOOFER

NX S25-A
NX S21-A

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All the NX Series is equipped with AC Powercon input and AC Powercon output connections.



THE NX L23-A INPUT BOARDS FEATURES

- 1 - Volume control
- 2 - XLR/Jack combo input
- 3 - XLR output
- 4 - Linear/Array HF Eq. switch
- 5 - 4 Cluster Size Configurations
- 6 - 4 System status leds

NX L23-A ideal stacking configuration:

- 2 x NX L23-A
- 1 x NX S25-A
- 1 x NX S21-A
- 1 x STACK BAR NX L23-A



TWO-WAY MONITORS

NX M10-A ACTIVE TWO-WAY MONITOR

- 750 Watt digital bi-amplification
- 129 dB max spl
- 90 x 70, Wide dispersion constant directivity horn
- 10" woofer, high power neodymium 2.5" voice coil
- 1" HF driver, titanium dome, neodymium 1.75" voice coil
- PFC power factor correction

The NX M10-A is the most compact and lightweight speaker of the NX range.

It is specifically designed as a versatile tool from stage monitoring to a very accurate near field sound reproduction. From live sound to playback music the NX M10-A guarantees high performances and is superior to many larger speakers thanks to the high efficiency of its 10" neodymium transducer.



A comfortable die cast aluminium handle with a rubber grip is provided for the NX M10-A, while two handles, one on each side, are mounted on NX M12-A and NX M15-A.



NX M10-A

SUGGESTED SUBWOOFER | NX S25-A | PAGE 48



High power, precision 1" compression driver on a 90° x 70° rotatable horn.



All the NX Series is equipped with a newly designed DIGIPRO professional digital amplifier. Class D advanced technology, integrated heat-sink for best thermal dissipation. The unique PFC digital power supply is designed to offer a full voltage supply from any type of plug available. The power delivered is 500W + 250W in Two-Way configuration.



TWO-WAY MONITORS

NX M12-A

ACTIVE TWO-WAY MONITOR

- 750 Watt digital bi-amplification
- 130 dB max spl
- 90 x 40, Wide dispersion constant directivity angle, rotatable horn
- 12" woofer, high power neodymium 3" voice coil
- 1" HF driver, titanium dome, neodymium 1.75" voice coil
- PFC power factor correction

The NX M12-A is a compact, lightweight two-way multipurpose loudspeaker system designed to deliver maximum performance for its weight and size as both a stage monitor and a front of house main PA.

It is equipped with a new 750 Watt digital amplifier and premium transducers components. The low frequency section is a 12" woofer with a 1.75" voice coil diaphragm while the high section is a neodymium compression driver mounted to a constant directivity horn.



The cabinet shape, angles and equalisation are designed for best performance in monitoring position.

NX M15-A

ACTIVE TWO-WAY MONITOR

- 750 Watt digital bi-amplification
- 132 dB max spl
- 90 x 40, Wide dispersion constant directivity angle, rotatable horn
- 15" woofer, high power neodymium 3.5" voice coil
- 1" HF driver, titanium dome, neodymium 1.75" voice coil
- PFC power factor correction

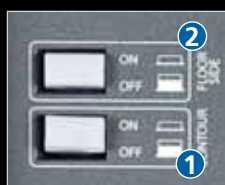
The NX M15-A is a high-efficiency, high output, horn loaded, two-way, wide dispersion active sound reinforcement system.

It benefits from the integration of 750 Watt of digital amplifier power, control electronics and premium transducers components such as the 15" neodymium woofer with 3.5" high power voice coil.

The NX M15-A is the perfect balance between size and performance and it is smaller and lighter without compromising on performance.



NX M12-A and NX M15-A features six 3-positions fly tracks for the best versatility in every day touring situation.



In all NX Series Two-Way monitors:

1 - Contour equalisation for the best listening of recorded music at low and medium level.

2 - A special switch for a dedicated stage monitor equalisation.



High power, precision 1" compression driver on a 90° x 40° large sized, rotatable horn.



NX M12-A

SUGGESTED SUBWOOFER | NX S25-A | [PAGE 48](#)



NX M15-A

SUGGESTED SUBWOOFER | NX S25-A | [PAGE 26](#)
NX S21-A | [PAGE 47](#)



ACTIVE SUBWOOFERS

NX S25-A

ACTIVE HIGH POWER SUBWOOFER

- 1000 Watt digital amplifier
- 136 dB max spl
- 2x15" woofer, high power 3" voice coil
- PFC power factor correction

The NX S25-A is a vented, high output, active subwoofer system where the solid sound of a dual 15" woofer is desired.

This subwoofer is optimally designed for portable or install applications and it is engineered to complement full-range loudspeakers in a wide range of PA applications.



Two comfortable die cast aluminium handles with a rubber grip are mounted on each side in perfect position for transportation and loading operations.

NX S21-A

ACTIVE HIGH POWER SUBWOOFER

- 1000 Watt digital amplifier
- 135 dB max spl
- 21" woofer, high power neodymium 4.5" voice coil
- PFC power factor correction

Compact and powerful, the NX S21-A offers the performance of a 21" subwoofer in a package not much larger than a typical 18" sub.

The 21" massive neodymium magnet low frequency transducer is front-loaded and delivers an astonishing precise bass punch for any kind of application.

NX Subwoofers cabinets features special hardware for easy stacking of NXL 23-A array modules (Accessory required: STACK BAR NX L23-A).





NX S25-A, NX S21-A INPUT PANEL

- 1 - Volume knob
- 2 - Stereo combo xlr/jack inputs
- 3 - Stereo xlr link/crossover outputs
- 4 - A special switch to commutate the outputs from full-range to high-pass
- 5 - A 80 Hz/110 Hz crossover selection switch
- 6 - A useful 180° phase switch
- 7 - 4 System status leds

The newly designed DIGIPRO amplifier delivers 1000 Watts in bridge subwoofer configuration. The unique PFC digital power supply is designed to offer a full voltage supply from any type of plug available.



NX S25-A



NX S21-A

PROFESSIONAL AMPLIFIERS

HC SERIES

HIGH CURRENT SERIES POWER AMPLIFIERS

These professional Class-H power amplifiers provide from 2 x 800 Watt up to 1 x 3200 Watt respectively, at an efficiency of around 85%.

A massive transformer based power supply and hand selected components make this power ratings possible with exceptional audio quality and absolute reliability, even in the 2 Ohm mode.

The output stages are fully protected against over-temperature, short circuit, RFI and equipped with soft start circuit and temperature controlled fan cooling.

The integral soft clip limiter protects against damage to the connected loudspeakers. LED indicators show the activity of protective circuit, signal and limiter for each channel.

ED SERIES

EXTENDED DYNAMIC POWER AMPLIFIERS

The ED series is equipped with a Class-H circuitry technology using state of the art Surface Mount Technology with a reduced number of components offering extraordinary performance levels like a slew rate of 50V/μs, high-end extended dynamic sound and a very low heat generation.

The 2U amplifiers at 2 x 300 Watt or 2 x 550 Watt respectively into 4 Ohms are equipped with temperature controlled fan cooling and with all common protective circuits such as over temperature, short circuit, RFI and soft start.

The integral soft clip limiter protects against damage to the connected loudspeakers, the activity of protective circuit, signal and limiter are shown for each channel by LED indicators.

PRODUCT	HC1600	HC2000	HC3200
Output (W) Stereo per Channel @ Ohm	800/2	1000/2	1600/2
	650/4	800/4	1100/4
	350/8	500/8	700/8
Output (W) bridged @ 8 Ohm	1300	1600	2200
Output (W) bridged @ 4 Ohm	1600	2000	3200
Frequency response ±0,2 dB	20Hz ÷ 20 KHz	20Hz ÷ 20 KHz	20Hz ÷ 20 KHz
Frequency response ±3 dB	10Hz ÷ 65 KHz	10Hz ÷ 65 KHz	10Hz ÷ 65 KHz
THD + N	0.02 % at 1 KHz	0.02 % at 1 KHz	0.02 % at 1 KHz
	0.1 % to 20 KHz	0.1 % to 20 KHz	0.1 % to 20 KHz
Input sensitivity	0.775 V	0.775 V	0.775 V
Input impedance	20 kOhm bal./ 10 kOhm unbal.	20 kOhm bal./ 10 kOhm unbal.	20 kOhm bal./ 10 kOhm unbal.
Dampening factor	200:1 (8Ohm)	200:1 (8Ohm)	200:1 (8Ohm)
Slew Rate	50V/μS	50V/μS	50V/μS
Input connection	2 x 6.3mm jack and XLR / bal.	2 x 6.3mm jack and XLR / bal.	2 x 6.3mm jack and XLR / bal.
Output connection	2 x Speakon-4	2 x Speakon-4	2 x Speakon-4
Protection	thermal, temperature, direct current, short circuit, RFI	thermal, temperature, direct current, short circuit, RFI	thermal, temperature, direct current, short circuit, RFI
Dimensions	19", 2 U rack 19"	19", 2 U rack 19"	19", 3 U rack 19"
Weight	17 kg/ 37 lbs	18 kg/ 40 lbs	29 kg/ 64 lbs

PRODUCT	ED600	ED1100
Output (W) Stereo per Channel @ Ohm	2 x 300 / 4 2 x 180 / 8	2 x 550 / 4 2 x 265 / 8
Output (W) bridged @ 8 Ohm	1 x 600 / 8	1 x 1100 / 8
Mono, one channel @ Ohm	1 x 310 / 4 1 x 195 / 8	1 x 570 / 4 1 x 325 / 8
Frequency response ±1dB	20 ÷ 20.000 Hz	20 ÷ 20.000 Hz
Frequency response ±3dB	20 ÷ 57.000 Hz	20 ÷ 57.000 Hz
THD + N	0.05 % @ 1 KHz	0.05 % @ 1 KHz
SMPTE IMD	< 0.03% max. Power@4 Ohm	< 0.03% max. Power@4 Ohm
Dampening factor	> 200:1 (8 Ohm)	> 200:1 (8 Ohm)
Slew Rate	50V/µS	50V/µS
Self noise	> 105 dB, A-weighted	> 105 dB, A-weighted
Signal to noise ratio	> 70dB@ 1 KHz	> 70dB@ 1 KHz
Input sensitivity	0 dBm (0.775 V RMS)	0 dBm (0.775 V RMS)
Input impedance	20 KOhm bal., 10 KOhm unbal.	20 KOhm bal., 10 KOhm unbal.
Protection	Thermal, direct current, RFI, short circuit, transformer protection	Thermal, direct current, RFI, short circuit, transformer protection
Input connection	2 x XLR bal., 6,3mm jack unbal.	2 x XLR bal., 6,3mm jack unbal.
Output connection	2 x Neutrik Speakon4	2 x Neutrik Speakon4
Cooling	1 x temperature controlled ventilator	1 x temperature controlled ventilator
Current consumption	max. 6A	max. 10A
Dimensions	88 x 482 x 350 mm + Handles 40mm	88 x 482 x 350 mm + Handles 40mm
Built-in dimensions	2 U rack 19"	2 U rack 19"
Weight	12.5 kg/ 28 lbs	15 kg/ 33 lbs



ED 600 | ED1100 | HC1600 | HC2000 | HC3200

PROFESSIONAL AMPLIFIERS

DPS PROFESSIONAL POWER AMPLIFIERS

HPS PROFESSIONAL POWER AMPLIFIERS

The new HPS and DPS power amplifiers are designed for professional use in touring racks and installed sound systems with protective circuits to ensure high reliability and operating safety.

Thanks to their extremely compact size and lightweight they are easy to handle. Their simple set up procedures simplify the installation process as well.

HPS 1500

HPS 2500

DPS 3000

	HPS 1500	HPS 2500	DPS 3000
Amplifier Class	Class H	Class H	Class HD
Power output RMS, bridged			
Stereo	2 x 750 W @ 4 Ω	2 x 1400 W @ 2 Ω	2 x 1700 W @ 2 Ω
	2 x 450 W @ 8 Ω	2 x 1100 W @ 4 Ω	2 x 1200 W @ 4 Ω
		2 x 700 W @ 8 Ω	2 x 800 W @ 8 Ω
Bridged	1500 W @ 8 Ω	2800 W @ 4 Ω	3400 W @ 4 Ω
		2200 W @ 8 Ω	2400 W @ 8 Ω
Frequency response	20 Hz ÷ 20 kHz	20 Hz ÷ 20 kHz	20 Hz ÷ 20 kHz
THD @ 1 kHz	0.05 % , 1 dB below clip	0.05 % , 1 dB below clip	0.05 % , 1 dB below clip
Damping factor @ 8 Ω	> 300	> 300	> 1000
Slew rate	50 V / μs	50 V / μs	55 V / μs
Signal / noise ratio	106 dB	106 dB	108 dB
Input sensitivity (/voltage gain)	1.4 V (/ 32 – 26 dB)	1.4 V (/ 32 – 26 dB)	1.4 V (/ 32 – 26 dB)
Input impedance	20 kΩ (balanced), 10 kΩ (unbalanced)	20 kΩ (balanced), 10 kΩ (unbalanced)	20 kΩ (balanced), 10 kΩ (unbalanced)
Protective circuits	Temp., DC, RFI, short-circuit	Temp., DC, RFI, short-circuit	Temp., DC, RFI, short-circuit
Cooling	Temperature-controlled fan	Temperature-controlled fan	Temperature-controlled fan
Power supply / Operation voltage	220 ÷ 240 V (50 / 60 Hz)	220 ÷ 240 V (50 / 60 Hz)	SMPS / 90 ÷ 245 V (50 / 60 Hz)
Power factor (cos φ)	-	-	> 0.95 from 200 W to full power
Dimensions (w, h, d)	482 mm, 88 mm, 420 mm (2 unit rack)	482 mm, 88 mm, 420 mm (2 unit rack)	482 mm, 88 mm, 420 mm (2 unit rack)
Net weight	17 kg	19 kg	14 kg



■ HPS 1500

CLASS H PROFESSIONAL POWER AMPLIFIER

HPS 1500 is a 2 channel power amplifier that delivers up to 2 x 750 W RMS @ 4 Ω (1500 W RMS bridged @ 8 Ω).

XLR inputs for patching in signals as well as Speakon ports for connecting speaker systems are provided for the maximum flexibility.

A forced air cooling system maintains a low operating temperature.

■ HPS 2500

CLASS H PROFESSIONAL POWER AMPLIFIER

HPS 2500 is a 2 channel power amplifier that delivers up to 2 x 1400 W RMS @ 2 Ω (2800 W RMS bridged @ 4 Ω).

XLR inputs for patching in signals as well as Speakon ports for connecting speaker systems are provided for the maximum flexibility.

A forced air cooling system maintains a low operating temperature.

■ DPS 3000

CLASS HD PROFESSIONAL POWER AMPLIFIER WITH PFC AND SMPS










DPS 3000 is a 2 channel power amplifier that can handle exceptionally high power ratings in a compact and lightweight 2 rack units space.

Thanks to the class HD technology, this amplifier delivers up to 2 x 1700 W RMS @ 2 Ω (3400 W RMS bridged @ 4 Ω), weighing just 14 kg.

It comes with a 'PFC' ('Power factor correction') switched-mode power supply which ensures that a predominantly resistive load is presented to the mains power supply; this also leads to an improved amplifier performance at high output levels. Thanks to its high efficiency heat sinks and variable speed DC fans, the DPS 3000 can withstand the hardest heat conditions ensuring great reliability.



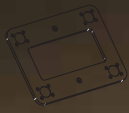
Accessories

PICTURE	P/N - NAME	SPECIFICATIONS	PRODUCTS	SERIES
	p/n 13360109 AC PRO-FS	Steel speaker floor stand with folding base and telescopic rod, tube diameter 35mm. Load capacity up to 50kg, Weight 4.5 Kg, H MIN/MAX 137cm/210cm. Length once folded 102cm	- All speakers of: • Art 7 Series • Artseries • NX Series - 4PRO 3003-A	● ART 7 SERIES ● ARTSERIES ● 4PRO SERIES ● NX SERIES
	p/n 13360111 AC PRO-LF	Steel professional adapter sleeve for loudspeaker floor stands, tube diameter 35mm. Load capacity up to 50kg, Weight 0.7 Kg, H 275mm.	- All speakers of: • Art 7 Series • Artseries • NX Series - 4PRO 3003-A	● ART 7 SERIES ● ARTSERIES ● 4PRO SERIES ● NX SERIES
	p/n 13360110 AC PRO-PM	Steel pole mount accessory for a satellite loudspeaker on a subwoofer, tube diameter 35mm. Load capacity up to 35kg, Weight 2.4 Kg, H MIN/MAX 95cm/137cm.	- All speakers of: • Art 7 Series • Artseries • NX Series - 4PRO 3003-A	● ART 7 SERIES ● ARTSERIES ● 4PRO SERIES ● NX SERIES
	p/n 13360035 AC S260	Steel speaker floor stand with folding base and telescopic rod, tube diameter 35mm. Load capacity up to 60kg, Weight 7.8 Kg, H MIN/MAX 170cm/240cm Length once folded 123cm	- All speakers of: • Art 7 Series • Artseries • NX Series - 4PRO 3003-A	● ART 7 SERIES ● ARTSERIES ● 4PRO SERIES ● NX SERIES
	p/n 13360036 AC S140	Aluminium speaker floor stand with folding base and telescopic rod, tube diameter 35mm. Load capacity up to 40kg, Weight 2.7 Kg, H MIN/MAX 140cm/214cm. Length once folded 107cm	- All speakers of: • Art 7 Series • Artseries • NX Series - 4PRO 3003-A	● ART 7 SERIES ● ARTSERIES ● 4PRO SERIES ● NX SERIES
	p/n 13360034 AC PMA	Speaker pole mount	- All Speakers and Subwoofers of: • Art 7 Series • Artseries • NX Series - 4PRO 3003-A	● ART 7 SERIES ● ARTSERIES ● 4PRO SERIES ● NX SERIES
	p/n 13360028 AC WK-FX	Kit No 4 Fixed Castor 80mm/3" Dia Black Wheel with Roller Bearings. Carrying Weight per Wheel 60Kg/130lb	- All Subwoofers	● ARTSERIES ● 4PRO SERIES ● NX SERIES
	p/n 13360029 AC WK-SW	Kit No 4 Swivel Castor, 80mm/3" Dia Black Wheel with Roller Bearings. Carrying Weight per wheel 60kg/130lb	- All Subwoofers	● ARTSERIES ● 4PRO SERIES ● NX SERIES
	p/n 13360031 AC EB4X	Kit including No. 4 shouldered 10mm eye bolts	- All Speakers	● ART 7 SERIES ● ARTSERIES

PICTURE	P/N - NAME
	p/n 13360030 AC DS4X
	p/n 13360033 AC NL4F
	p/n 13360103 AC ART710 H-BR
	p/n 13360104 AC ART712 H-BR
	p/n 13360104 AC ART715 H-BR
	p/n 13360010 ART V-BR
	p/n 13360011 ART H-BR
	p/n 13300042 AC ART310 H-BR
	p/n 13360025 AC KP-705

SPECIFICATIONS	PRODUCTS	SERIES
Kit including No. 4 double stud track connector with ring	- 4PRO 7001-A - 4PRO 6001-A - All NX Speakers	● 4PRO SERIES ● NX SERIES
Kit 4 Speakon 4X	- All Passive Speakers and Subwoofers	● ARTSERIES ● 4PRO SERIES
Horizontal bracket for ART 710-A	- Art 710-A	● ART 7 SERIES
Horizontal bracket for ART 712-A and ART 722-A	- Art 712-A - Art 722-A	● ART 7 SERIES
Horizontal bracket for ART 715-A and ART 725-A	- Art 715-A - Art 725-A	● ART 7 SERIES
Bracket for mounting an Art speaker on the wall - Vertical Adjustable inclination, Colour black	- All Speakers except: • Art 310-A • Art 310	● ARTSERIES
Bracket for mounting an Art speaker on the wall. Horizontal. Adjustable inclination, Colour black	- All Speakers except: • Art 310-A • Art 310	● ARTSERIES
Horizontal bracket for 10" size Art Speaker models	- Art 310-A - Art 310	● ARTSERIES
Pair of Kart Panels for Art 705AS (wheels excluded)	- Art 705-AS	● ARTSERIES

Accessories



p/n 13360025

AC KP-705



p/n 13360044

ART COVER 310



p/n 13360043

ART COVER 312



p/n 13360058

ART COVER 705



p/n 13360113

ART COVER 710



p/n 13360114

ART COVER 722



p/n 13360115

ART COVER 725



p/n 13360116

ART COVER 902-AS



p/n 13360117

ART COVER 905-AS

SPECIFICATIONS	PRODUCTS	SERIES
Pair of Kart Panels for Art 705-AS (wheels excluded)	- Art 705-AS	● ARTSERIES
ART Cover for Art 310/310A	- Art 310-A - Art 310	● ARTSERIES
ART Cover for Art 312/312A/315/315A/322A/325A	- All Speakers except: • Art 310-A • Art 310	● ARTSERIES
ART Cover for Art 705-AS	- Art 705-AS	● ARTSERIES
ART Cover for Art 710-A	- Art 710-A	● ART 7 SERIES
ART Cover for Art 712-A / Art 722-A	- Art 712-A - Art 722-A	● ART 7 SERIES
ART Cover for Art 715-A / Art 725-A	- Art 715-A - Art 725-A	● ART 7 SERIES
ART Cover for Art 902-AS	- Art 902-AS	● ART 7 SERIES
ART Cover for Art 905-AS	- Art 905-AS	● ART 7 SERIES

PICTURE	P/N - NAME
	p/n 13360008 RC-1
	p/n 13360026 AC KP-8001
	p/n 13360027 AC KP-6001
	p/n 13360107 AC PRO12 V-BR
	p/n 13360108 AC PRO15 V-BR
	p/n 13360098 FLY BAR NX L23-A
	p/n 13360097 STACK BAR NX L23-A
	p/n 13360077 AC QL-PIN TTL31-A

SPECIFICATIONS	PRODUCTS	SERIES
Infrared remote control for ART Series speakers Includes controls for volume, mute, FLAT-MUSIC-VOICE equalization	- All Speakers except: • Art 522-A • Art 525-A	● ARTSERIES
Kit pair of wood panels for trolley 4PRO 7001-A, 8001-S (AS), 8002-AS	- 4PRO 7001-A - All Subwoofers	● 4PRO SERIES
Kit pair of wood panels for trolley 4PRO 6001	- 4PRO 6001-A	● 4PRO SERIES
Bracket for flying and wall mounting NXM12-A with adjustable inclination	- NX M12-A	● NX SERIES
Bracket for flying and wall mounting NXM15-A with adjustable inclination	- NX M15-A	● NX SERIES
Suspending bar for array system NX L23-A	- NX L23-A	● NX SERIES
Accessory for NX L23-A for stacking option on sub NX S21-A, NX S25-A	- Array Module - All Subwoofers	● NX SERIES
4 quick lock pins for NX L23-A array system	- NX L23-A	● NX SERIES

230V p/n 13000144
115V p/n 13000167

230V p/n 13000145
115V p/n 13000165

230V p/n 13000147
115V p/n 13000164

ART 710-A

ART 712-A

ART 715-A

ACOUSTICAL SPEC.

Frequency Response	50 Hz - 20 kHz	50 Hz - 20 kHz	50 Hz - 20 kHz
Max SPL	129 dB	129 dB	130 dB
Horizontal coverage angle	90°	90°	90°
Vertical coverage angle	70°	60°	60°
Compression Driver	1.0" neo, 1.75" v.c.	1"neo, 1.75" v.c.	1"neo, 1.75" v.c.
Midrange	-	-	-
Woofer	10"neo, 2.5" v.c.	12"neo, 3" v.c.	15"neo, 3.5" v.c.

INPUT SECTION

Input connector	combo xlr-jack	combo xlr-jack	combo xlr-jack
Output connector	xlr	xlr	xlr
Input sensitivity	-2 dBu / + 4 dBu	-2 dBu / + 4 dBu	-2 dBu / + 4 dBu

PROCESSOR SECTION

Crossover frequencies	1700 Hz	1700 Hz	1700 Hz
Protections	thermal, rms	thermal, rms	thermal, rms
Limiter	soft limiter	soft limiter	soft limiter
Controls	volume, EQ shape	volume, EQ shape	volume, EQ shape

AMPLIFIER

Total power	750 Watt	750 Watt	750 Watt
High frequencies	250 Watt	250 Watt	250 Watt
Low frequencies	500 Watt	500 Watt	500 Watt
Cooling	convection/forced	convection/forced	convection/forced
Connection	vde connector in	vde connector in	vde connector in

PHYSICAL SPEC.

Height	549 mm	637 mm	708 mm
Width	340 mm	384 mm	437 mm
Depth	304 mm	363 mm	389 mm
Weight	11.2 Kg	17.2 Kg	18.2 Kg
Cabinet	composite PP	composite PP	composite PP
Hardware	2xM10 flying p.	2xM10 flying p.	2xM10 flying p.
Handles	1 top	2 side, 1 top	2 side, 1 top
Pole Mount/Cap	yes	yes	yes

TECHNICAL SPECIFICATIONS

230V p/n 13000146
115V p/n 13000163

ART 722-A

45 Hz - 20 kHz

130 dB

90°

60°

2" neo, 2.5" v.c.

-

12" neo, 3" v.c.

combo xlr-jack

xlr

-2 dBu / + 4 dBu

1200 Hz

thermal, rms

soft limiter

volume, EQ shape

750 Watt

250 Watt

500 Watt

convection/forced

vde connector in

637 mm

384 mm

363 mm

18 Kg

composite PP

2xM10 flying p.

2 side, 1 top

yes

230V p/n 13000148
115V p/n 13000166

ART 725-A

45 Hz - 20 kHz

131 dB

90°

60°

2" neo, 2.5" v.c.

-

15" neo, 3.5"

v.c.

combo xlr-jack

xlr

-2 dBu / + 4 dBu

1200 Hz

thermal, rms

soft limiter

volume, EQ shape

750 Watt

250 Watt

500 Watt

convection/forced

vde connector in

708 mm

437 mm

389 mm

19.4 Kg

composite PP

2xM10 flying p.

2 side, 1 top

yes

230V p/n 13000149
115V p/n 13000162

ART 902-AS

45 Hz - 120 Hz

130 dB

-

-

-

-

12", 3" v.c.

stereo combo xlr-jack

stereo xlr

-2 dBu / + 4 dBu

80 - 120 Hz

thermal, rms

limiter

volume, phase, xover

1000 Watt

-

1000 Watt

convection/forced

vde connector in/out

515 mm

410 mm

550 mm

29.6 Kg

baltic birch

-

2 on side

yes

230V p/n 13000150
115V p/n 13000161

ART 905-AS

40 Hz - 120 Hz

131 dB

-

-

-

-

15", 3" v.c.

stereo combo xlr-jack

stereo xlr

-2 dBu / + 4 dBu

80 - 120 Hz

thermal, rms

limiter

volume, phase, xover

1000 Watt

-

1000 Watt

convection/forced

vde connector in/out

600 mm

445 mm

600 mm

34 Kg

baltic birch

-

2 on side

yes

ARTSERIES

230V p/n 13000059 230V p/n 13000001 230V p/n 13000002 230V p/n 13000003 230V p/n 13000004
 115V p/n 13000065 115V p/n 13000033 115V p/n 13000034 115V p/n 13000035 115V p/n 13000036

	ART 310-A	ART 312-A	ART 315-A	ART 322-A	ART 325-A
ACOUSTICAL SPEC.					
Frequency Response	50 Hz - 20 kHz	50 Hz - 20 kHz	50 Hz - 20 kHz	45 Hz - 20 kHz	45 Hz - 20 kHz
Max SPL	127 dB	127 dB	128 dB	128 dB	129 dB
Horizontal cover. angle	90°	90°	90°	90°	90°
Vertical cover. angle	70°	60°	60°	60°	60°
Compression Driver	1" neo, 1.5" v.c.	1" neo, 1.5" v.c.	1" neo, 1.5" v.c.	2" neo, 2.5" v.c.	2" neo, 2.5" v.c.
Midrange	-	-	-	-	-
Woofer	10" neo, 2.5" v.c.	12", 2.5" v.c.	15", 2.5" v.c.	12", 3" v.c.	15", 3" v.c.
Power Handling	-	-	-	-	-
INPUT SECTION					
Input signal(impedance)	bal/unbal	bal/unbal	bal/unbal	bal/unbal	bal/unbal
Input connector	xlr	xlr/jack	xlr/jack	xlr/jack	xlr/jack
Output connector	xlr	xlr	xlr	xlr	xlr
Input sensitivity	0 dBu	0 dBu	0 dBu	0 dBu	0 dBu
Mic. Input Sensitivity	-40 dBu	-40 dBu	-40 dBu	-40 dBu	-40 dBu
PROCESSOR SECTION					
Crossover frequencies	1800 Hz	1800 Hz	1800 Hz	1200 Hz	1200 Hz
Protections	DC / short cir.	DC / short cir.	DC / short cir.	DC / short cir.	DC / short cir.
Limiter	fast limiter	fast limiter	fast limiter	fast limiter	fast limiter
Controls	volume	volume/EQ, remote	volume/EQ, remote	volume/EQ, remote	volume/EQ, remote
AMPLIFIER					
Total power	350 Watt	350 Watt	350 Watt	400 Watt	400 Watt
High frequencies	50 Watt / AB	50 Watt / AB	50 Watt / AB	50 Watt / AB	50 Watt / AB
Low frequencies	300 Watt / H	300 Watt / H	300 Watt / H	350 Watt / H	350 Watt / H
Cooling	convection	convection	convection	convection	convection
Connection	vde connector in	vde connector in	vde connector in	vde connector in	vde connector in
PHYSICAL SPEC.					
Height	537 mm	680 mm	680 mm	680 mm	680 mm
Width	337 mm	405 mm	405 mm	405 mm	405 mm
Depth	315 mm	345 mm	345 mm	345 mm	345 mm
Weight	12.4 Kg	19.0 Kg	20.0 Kg	23.0 Kg	24.0 Kg
Cabinet	composite PP	composite PP	composite PP	composite PP	composite PP
Hardware	2xM10 flying p.	4xM10 flying p.	4xM10 flying p.	4xM10 flying p.	4xM10 flying p.
Handles	1 top	2 side, 1 top	2 side, 1 top	2 side, 1 top	2 side, 1 top
Pole Mount/Cap	yes	yes	yes	yes	yes

TECHNICAL SPECIFICATIONS

230V p/n 13000122
115V p/n 13000127

230V p/n 13000123
115V p/n 13000128

230V p/n 13000008
115V p/n 13000037

230V p/n 13000075

230V p/n 13000031

230V p/n 13000023

ART 522-A

ART 525-A

ART 705-AS

ART 310

ART 312

ART 315

45 Hz - 20 kHz

45 Hz - 20 kHz

40 Hz - xover point

50 Hz - 20 kHz

50 Hz - 20 kHz

50 Hz - 20 kHz

130 dB

131 dB

130 dB

127 dB

127 dB

128 dB

90°

90°

-

90°

90°

90°

60°

60°

-

70°

60°

60°

2" neo, 2.5" v.c.

2" neo, 2.5" v.c.

-

1" neo, 1.5" v.c.

1" neo, 1.5" v.c.

1" neo, 1.5" v.c.

-

-

-

-

-

-

12" neo, 3" v.c.

15" neo, 3.5" v.c.

15", 3" v.c.

10" neo, 2" v.c.

12", 2.5" v.c.

15", 2.5" v.c.

-

-

-

300W

300W

300W

bal/unbal

bal/unbal

bal/unbal

8 ohm

8 ohm

8 ohm

combo xlr-jack

combo xlr-jack

xlr/jack

speakon

speakon

speakon

xlr

xlr

xlr

speakon

speakon

speakon

0 dBu

0dBu

0 dBu

-

-

-

-

-

-

-

-

-

1200 Hz

1200 Hz

40 Hz - xover point

1800 Hz

1800 Hz

1800 Hz

DC / short cir.

DC / short cir.

uC protection

electronic

electronic

electronic

fast/rms limiter

fast/rms limiter

fast limiter

-

-

-

volume

volume

volume, xover freq.

-

-

-

750 Watt

750 Watt

800 Watt

-

-

-

250 Watt / Digital

250 Watt / Digital

-

-

-

-

500 Watt / Digital

500 Watt / Digital

800 Watt / H

-

-

-

convection

convection

forced

-

-

-

vde connector in

vde connector in

vde connector in

speakon

speakon

speakon

680 mm

680 mm

590 mm

537 mm

680 mm

680 mm

405 mm

405 mm

435 mm

337 mm

405 mm

405 mm

345 mm

345 mm

600 mm

314 mm

345 mm

345 mm

16.6 Kg

17.2 Kg

37.0 Kg

10 Kg

16 Kg

17 Kg

composite PP

composite PP

baltic birch

composite PP

composite PP

composite PP

4xM10 flying p.

4xM10 flying p.

2xM10 for kart

2xM10 flying p.

4xM10 flying p.

4xM10 flying p.

2 side, 1 top

2 side, 1 top

2 side

1 top

2 side, 1 top

2 side, 1 top

yes

yes

yes

yes

yes

yes

4PRO SERIES

230V p/n 13000153
115V p/n 13000158

230V p/n 13000154
115V p/n 13000159

230V p/n 13000007
115V p/n 13000040

230V p/n 13000055

4PRO 3003-A

4PRO 4003-A

4PRO 6001-A

4PRO 7001A-MH

ACOUSTICAL SPEC.

Frequency Response	45 Hz - 20 Khz	40 Hz - 20 Khz	50 Hz - 20 Khz	-
Max SPL	131 dB	132 dB	134 dB	138 dB
Horizontal cover. angle	90°	90°	80°	60°
Vertical cover. angle	40°	40°	60°	40°
Compression Driver	1" neo, 1.75" v.c.	1" neo, 1.75" v.c.	1" neo, 1.75" v.c.	2" neo, 2.5" v.c.
Midrange	-	-	8" neo, 3" v.c.	10" neo, 3" v.c.
Woofer	15" neo, 3" v.c.	2x15" neo, 3" v.c.	2x12" neo, 3" v.c.	-
Power Handling	-	-	-	-

INPUT SECTION

Input signal(impedance)	bal/unbal	bal/unbal	bal/unbal	-
Input connector	combo xlr-jack	combo xlr-jack	combo xlr-jack	speakon
Output connector	xlr	xlr	xlr	-
Input sensitivity	-2 dBu / + 4 dBu	-2 dBu / + 4 dBu	0 dBu	-
Mic. Input sensitivity	-	-	-	-

PROCESSOR SECTION

Crossover frequencies	1700 Hz	1800 Hz	360Hz/2000 Hz	200 Hz/1200 Hz
Protections	thermal, rms	thermal, rms	uC protection	-
Limiter	dinamic limiter	dinamic limiter	fast limiter	-
Controls	volume, contour	volume, side/floor, contour	volume	-

AMPLIFIER

Total power	750 Watt	750 Watt	950 Watt	-
High frequencies	250 Watt / Digital	250 Watt / Digital	50 Watt / AB	-
Mid frequencies	-	-	300 Watt / H	-
Low frequencies	500 Watt / Digital	500 Watt / Digital	600 Watt / H	-
Cooling	convection/forced	convection/forced	forced	-
Connection	vde connector in/out	powercon in/out	powercon in/out	speakon

PHYSICAL SPEC.

Height	805 mm	1290 mm	920 mm	659 mm
Width	455 mm	455 mm	525 mm	519 mm
Depth	470 mm	470 mm	550 mm	496 mm
Weight	33 Kg	46 Kg	55 Kg	30.6 Kg
Cabinet	baltic birch	baltic birch	baltic birch	baltic birch
Hardware	-	-	5 x fly tracks	9 x fly tracks
Handles	2 on side	2 on side	2 side, 1 top	2 side
Pole Mount/Cap	-	-	-	-

TECHNICAL SPECIFICATIONS

230V p/n 13000054 115V p/n 13000080	230V p/n 13000152 115V p/n 13000160	230V p/n 13000005 115V p/n 13000038	230V p/n 13000006 115V p/n 13000039	230V p/n 13000020
4PRO 7001 A-BA	4PRO 8003-AS	4PRO 8001-AS	4PRO 8002-AS	4PRO 8001-S
*50 Hz - 20 KHz	40 Hz - xover p.	40 Hz - xover p.	40 Hz - xover p.	40 Hz - xover p.
138 dB	134 dB	133 dB	134 dB	134 dB
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
2x15" neo, 3"	18" neo, 4" v.c.	18", 4" v.c.	18", 4" v.c.	18", 4" v.c.
-	-	-	-	1000 Watt
bal/unbal	bal/unbal	bal/unbal	bal/unbal	8 ohm
combo xlr-jack	stereo c. xlr-jack	stereo c. xlr-jack	stereo c. xlr-jack	speakon
xlr	stereo xlr	xlr	xlr	speakon
0 dBu	-2 dBu / + 4 dBu	0 dBu	0 dBu	-
-	-	-	-	-
200 Hz	80 - 120 Hz	40 Hz - xover p.	40 Hz - xover p.	40 Hz - xover p.
uC protection	thermal, rms	uC protection	uC protection	-
fast limiter	dynamic limiter	fast limiter	fast limiter	-
volume, phase,	volume, xover,	volume, phase,	volume, phase,	xover
EQ mode	phase	high pass output	high pass output	
950 Watt	1000 Watt	800 Watt	800 Watt	-
50 Watt / AB	-	-	-	-
300 Watt / H	-	-	-	-
600 Watt / H	1000 Watt / Digital	800 Watt / H	800 Watt / H	-
forced	convection/forced	forced	forced	-
powercon in/out	vde connector in/out	powercon in/out	powercon in/out	speakon
694 mm	700 mm	700 mm	700 mm	700 mm
523 mm	520 mm	520 mm	520 mm	520 mm
700 mm	700 mm	700 mm	700 mm	700 mm
54 Kg	49 Kg	54 Kg	56 Kg	50 Kg
baltic birch	baltic birch	baltic birch	baltic birch	baltic birch
8 x fly tracks	-	2xM10 for kart	2xM10 for kart	2xM10 for kart
4 on side	2 side	2 side	2 side	2 side
-	yes	yes	yes	yes



230V p/n 13000157
115V p/n 13000180

230V p/n 13000183
115V p/n 13000184

NX L23-A

NX M10-A

ACOUSTICAL SPEC.

Frequency Response	60 Hz - 20 kHz	50 Hz - 20 kHz
Max SPL	133 dB	129 dB
Horizontal coverage angle	100°	90°
Vertical coverage angle	15° max, depending on config	70°
Compression Driver	3 x 1.0" neo, 1.75" v.c.	1" neo, 1.75" v.c.
Midrange	-	-
Woofer	12" neo, 3.5" v.c.	10" neo, 2.5" v.c.

INPUT SECTION

Input connector	combo xlr-jack	combo xlr-jack
Output connector	xlr	xlr
Input sensitivity	-2 dBu / + 4 dBu	-2 dBu / + 4 dBu

PROCESSOR SECTION

Crossover frequencies	1300 Hz	1700 Hz
Protections	thermal, rms	thermal, rms
Limiter	soft peak limiter	soft peak limiter
Controls	volume, hf correction, cluster size	volume, side/floor, contour

AMPLIFIER

Total power	750 Watt	750 Watt
High frequencies	250 Watt	250 Watt
Low frequencies	500 Watt	500 Watt
Cooling	convection/forced	convection/forced
Connection	powercon in/out	powercon in/out

PHYSICAL SPEC.

Height	346 mm	515 mm
Width	659 mm	334 mm
Depth	415 mm	337 mm
Weight	28.5 Kg	15.2 Kg
Cabinet	baltic birch	baltic birch
Hardware	array side fittings	6 x fly tracks
Handles	2 side	2 side
Pole Mount/Cap	yes	yes

TECHNICAL SPECIFICATIONS

230V p/n 13000155
115V p/n 13000178

NX M12-A

50 Hz - 20 kHz
130 dB
90°
40°
1" neo, 1.75" v.c.
-
12" neo, 3" v.c.

combo xlr-jack
xlr
-2 dBu / + 4 dBu

1700 Hz
thermal, rms
soft peak limiter
volume, side/floor,
contour

750 Watt
250 Watt
500 Watt
convection/forced
powercon in/out

646 mm
385 mm
375 mm
21,2 Kg
baltic birch
6 x fly tracks
2 side
yes

230V p/n 13000156
115V p/n 13000179

NX M15-A

50 Hz - 20 kHz
131 dB
90°
40°
1" neo, 1.75" v.c.
-
15" neo, 3.5" v.c.

combo xlr-jack
xlr
-2 dBu / + 4 dBu

1700 Hz
thermal, rms
soft peak limiter
volume, side/floor,
contour

750 Watt
250 Watt
500 Watt
convection/forced
powercon in/out

736 mm
430 mm
395 mm
23,8 Kg
baltic birch
6 x fly tracks
2 side
yes

230V p/n 13000173
115V p/n 13000182

NX S25-A

40 Hz - 120 Hz
136 dB
-
-
-
-
2 x 15", 3" v.c.

stereo combo xlr-jack
stereo xlr
-2 dBu / + 4 dBu

80 Hz/110 Hz
thermal, rms
soft peak limiter
volume, Xover/link, frq.
cut, phase

1000 Watt
-
1000 Watt
convection/forced
powercon in/out

750 mm
660 mm
700 mm
60,5 Kg
baltic birch
stacking fittings
4 side
yes

230V p/n 13000171
115V p/n 13000181

NX S21-A

30 Hz - 80 Hz
135 dB
-
-
-
-
21" neo, 4.5" v.c.

stereo combo xlr-jack
stereo xlr
-2 dBu / + 4 dBu

60 Hz/80 Hz
thermal, rms
soft peak limiter
volume, Xover/link, frq.
cut, phase

1000 Watt
-
1000 Watt
convection/forced
powercon in/out

750 mm
660 mm
700 mm
53,2 Kg
baltic birch
stacking fittings
4 side
yes

SUGGESTED SUBWOOFERS

	ART 902-AS	ART 905-AS	ART 705-AS	4PRO 8001-AS	4PRO 8002-AS	4PRO 8003-AS	4PRO 8001-S	NX S25-A	NX S21-A
ART 710-A	●	●							
ART 712-A		●			●				
ART 715-A		●			●				
ART 722-A		●			●				
ART 725-A					●				
ART 310-A	●		●						
ART 312-A		●	●						
ART 315-A		●	●						
ART 322-A		●		●					
ART 325-A		●		●					
ART 522-A		●			●				
ART 525-A					●				
ART 310						●			
ART 312						●			
ART 315						●			
4PRO 3003-A					●				
4PRO 4003-A					●				
4PRO 6001-A			●	●	●				
4PRO 7001-A			●	●	●				
NX L23-A							●	●	
NX M10-A					●		●		
NX M12-A					●		●		
NX M15-A					●		●	●	



the rules of sound

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