

# PROPHON

SOUND SYSTEMS

**TRUST YOUR EARS !**  
MADE IN SWEDEN SINCE 1985

PRO-AUDIO CATALOGUE 2019 EDITION

## WHO WE ARE, AND WHAT WE DO...

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Prophon Sound systems was founded in 1985 in Sweden, where we still, 34 years later, design, develop, manufacture and assemble high-end sound systems for the professional market.

Our portfolio covers a wide range of models to meet the ever growing pursuit of the perfect sound. To make it easy we have divided all our models into comprehensive branches and series. Several speakers and systems can be used in several applications, so we have divided them into different categories,

### - **Commercial audio** *(See separate catalogue)*

- Wallmounted speakers
- Ceiling speakers
- Subwoofers
- 19" rackmixers and zonemixers
- 19" mixer amplifiers and zonemixer amplifiers
- 100V systems

### - **Fixed installations**

- Passive fullrange speakers
- Column array speakers
- Line array speakers
- Front-loaded subwoofers
- Cardioid subwoofers

### - **Portable sound**

- portable sound systems,
- Point-source, hornloaded and line source speakers
- Multi purpose and fullrange speakers
- Stage monitors
- Subwoofers

### - **Tour**

- Line array systems
- Hornloaded systems
- Point-source systems
- Cardioid subwoofers, front-loaded subwoofers
- Stage monitors

### - **Electronics**

- Amplifiers for installation, portable and tour
- DSP systems amplifiers for installation, portable and tour
- DSP loudspeaker manager systems processors for installation, portable and tour

### - **Cinema** *(See separate catalogue)*

- Surround speakers,
- Screen speakers (2-way, 3-way and 4-way)
- CLAM (Cinema Line Array Module)
- Subwoofers
- Amplifiers and DSP amplifiers
- Processors and electronics

### **Our portable and tour systems are available in two versions:**

- Active versions with built in amplifiers and DSP's,
- Passive versions with built in dedicated passive crossover networks, powered by any of our 19" DSP-systems amplifiers.





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## CLA-SERIES

COLUMN LINE ARRAY FOR ARCHITECTURAL INSTALLATIONS, LIVE PERFORMANCE, SPEECH, AND FOR PORTABLE USE WITH SUBWOOFERS.

With line source coupling for a low loss of energy over distance, long throw, a controlled narrow vertical dispersion pattern and a wide horizontal dispersion, the CLA-series is designed for installation in churches, auditoriums, conference facilities, theatres and other venues where low distortion, clarity, control and longthrow is important.

The CLA-series in combination with the S-series or B-series LF subwoofers will transform the CLA-series into a powerful sound system, for live performance, installations or recorded music reproduction.

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## FX-SERIES

POINT-SOURCE 2-WAY COAXIAL FULLRANGE SPEAKERS.

The F-series features three models from 6,5" to 10" of fullrange speakers designed for High power reinforcement systems.

With coaxial design for optimum phase coherency and true point-source behaviour.

Designed for installation in theatres, live performance venues, churches, conference centers, nightclubs, theme-parks, cruise ships and for portable use with subwoofers.

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## PX-SERIES

2-WAY POINT-SOURCE HIGH-POWER FULLRANGE SPEAKERS FOR TOUR, INSTALLATION AND PORTABLE USE

The PX-series is a range of 2-way compact high-SPL fullrange speakers, ranging from the smallest PX26 with 2x6,5"/1", to the largest PX210 with 2x10"/1,3".

Designed for portable use with subwoofers in compact high-power sound system, fixed installations, delay system in larger venues, and stand alone fullrange.

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## HX-SERIES

3-WAY HORNLOADED POINT-SOURCE FULLRANGE SPEAKERS WITH DIPOLE C.C.C. TECHNOLOGY, FOR HIGH POWER INSTALLATIONS, PORTABLE USE AND TOUR.

The best of three worlds combined into one loudspeaker series!

The HX-series combines hornloaded technology, with point-source and dipole C.C.C.

(Common Compression Chambers)

Two models are available; HX8 and HX10, with hornloaded midrange for long throw, low distortion levels, controlled dispersion pattern and high sensitivity for unparalleled reproduction of vocals and acoustic instruments, with 2 x LF woofers mounted in a dipole C.C.C configuration for high sensitivity, long throw and minimum transducers excursion, handling low frequency reproduction down to 50Hz with ease.

HF frequencies features a 1" driver with 1,7" voice coil mounted on an asymmetric ellipsoid waveguide.

Both models are available in active and passive versions.

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## CXL-SERIES

2-WAY POINT-SOURCE COAXIAL MULTI PURPOSE SPEAKERS FOR PORTABLE USE, TOUR, PA AND INSTALLATION

The CXL-series is a favorite with the rental, PA and event industry because of the versatility they offer, the CXL-speakers can be used as high power stage monitors, top speakers in small to medium FOH PA-systems with subwoofers, sidefill, frontfill, delay system in larger PA-systems and in installations.

The series features four models from 8"/1" to 15"/2"

All models except the CX81 is available as active, with built in amplifiers with DSP and presets.

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## MX-SERIES

COMPACT 2-WAY HIGH POWER COAXIAL STAGE MONITORS WITH SMALL FOOTPRINT AND LOW LISTENING ANGLE, FOR SMALL STAGES, THEATRES, CONFERENCE, AND TV STUDIOS.

Designed for small stages, auditoriums, conference centers, ensembles and tv studios. With a small footprint and low height, the MX-series is ideal for monitor listening where space is limited and the stage monitor is close to the user. The dispersion angle allows for standing or sitting close to the monitor and still retain on-axis fullrange frequency response. Available in active self-powered versions with on-board DSP and several presets, or passive, using external DSP systems amplifiers

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## PLA-SERIES

**PROPHON LINE ARRAY**, FOUR DIFFERENT MODELS OF LINE ARRAY SYSTEMS DESIGNED FOR LIVE PERFORMANCE, FESTIVALS, TOUR, FIXED INSTALLATION AND THE RENTAL INDUSTRY.

The PLA-series features four different line array modules, from the most compact PLA621 with 1 x 6,5" / 2 x 0,75" components, to the larger PLA21021 with 2 x 10" / 2x1". The series is designed for small to medium sized venues, installations and events. All models in the series utilizes the same technology to achieve the control, dispersion, sensitivity and high SPL they are renowned for. Specially designed waveguides, soundguides and dipolar configuration in combination with 20 years experience of line array design and customer feedback is what makes our line array systems so special.

The PLA-series can be used from small compact portable groundstacked systems with subwoofers, up to full scale line array system in festivals.

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## HPX-SERIES

HIGH POWER SUBWOOFERS FOR TOUR AND FIXED INSTALLATION, SEVERAL MODELS AND SIZES FOR A VARIETY OF APPLICATIONS.

Our HPX-series, direct radiating front-loaded tuned bassreflex subwoofers all features a special heavily braced cabinet construction for minimum loss in energy, all models can be used either as single ended or stacked in cardioid configuration or in end-fire array. All presets are available in our systems loudspeaker DSP and in our DSP-systems amplifiers.

All subwoofers in the HPX-series features hardwares, top hat and fly-points for rigging, installing and for stacking, groundstacking and for portable systems.

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## HP-SERIES

HIGH POWER SUBWOOFERS FOR INSTALLATION, PORTABLE, RENTAL AND EVENT, SEVERAL MODELS AND SIZES FOR A VARIETY OF APPLICATIONS.

Our HP-series, direct radiating front-loaded, single driver, vented port subwoofers all features a special heavy braced cabinet construction for minimum loss in energy, all models can be used either as single ended or stacked in cardioid configuration or in end-fire array. All presets are available in our systems loudspeaker DSP and in our DSP-systems amplifiers.

The active versions features two amplifiers, where one drives the internal woofer, and one is assigned to a Neutrik Speakon out, with several presets for external subwoofers or top speaker, so that the woofers in the HP-series can act like a master for driving an additional passive subwoofer, or supply any of our portable passive fullrange speakers in a compact active sound systems.

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## HPC-SERIES

HIGH POWER CARDIOID SUBWOOFERS FOR TOUR, INSTALLATION, PORTABLE USE, RENTAL AND EVENT,

The flagship when it comes to low frequency emission and control, the HPC-series offers out-of-the-box cardioid configuration with drivers both in the front and in the back in a cardioid configuration. Whether using in fixed installations or for tour application the HPC-series is liked by DJ's, sound engineers, musicians, event companies and rental companies because of the many benefits with the cardioid technology, where the low frequencies are cancelled out behind and on the sides of the subwoofers, using that energy forwards, adding several dB in SPL on axis.

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## CLUBLAND SYSTEM

4-WAY, HORNLOADED POINT-SOURCE GROUNDSTACKED OR FLEWN CLUB SYSTEM FOR LARGE VENUES, NIGHTCLUBS AND LIVE PERFORMANCE FOH.

The clubland system was developed for the club-scene, designed for high-profile nightclubs. with very high SPL capabilities, high sensitivity, controled dispersion pattern, extreme powerhandling and long throw. The system can be ordered with horns, grilles and hardwares in any RAL color for blending with the interour of the venue. Two different MF/HF hornloaded modules are available, with 8"/1" or with 12"/2", furthermore the LF-module features two 15" woofers mounted in a compact dipol C.C.C. (Comon Compression Chamber) configuration. There are a number of suwoofers to chose from depending on need and demand, from our 2x12" hornloaded behemoth, to standard 18" direct radiating vented subwoofers, and cardioid 3x18" subwoofers.

The Clubland system is also designed to be used as a high power PA system in live performance stages, using the live-presets instead of the club presets in the DSP.

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## PA-SERIES

ACTIVE AND PASSIVE PORTABLE POINT-SOURCE SYSTEMS WITH SUBWOOFERS AND TOP SPEAKERS, FROM 12" SUBWOOFER AND 6,5"/1" TOP, TO 2X18" SUBWOOFERS AND 15"/2" TOP

Designed for portable use, the rental industry, event, bands, DJ's and fixed installations,

The PA-series is a comprehensive range of complete sound systems developed to reproduce live music as well as recorded music and club music.

With several presets in each active speaker depending on application.

High-end class-D amplifiers for best performance with reliable systems that just keeps delivering, night after night. The active systems features built-in amplifiers and DSP's, the passive systems features external 19" DSP-systems amplifiers.

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## CA-SERIES

ACTIVE AND PASSIVE COLUMN ARRAY SYSTEMS WITH LINE SOURCE TECHNOLOGY AND DIRECT RADIATING SUBWOOFERS.

The series was designed for portable use and installation, where a powerful, but yet discrete system is asked for, the line source column array speakers has a controled vertical and horizontal dispersion pattern, with a -3dB loss for each doubling of distance, instead of -6dB as in regular speakers, this ensures long throw, and a even SPL in the listening area.

there are eight different systems and configurations, with 12", 15" and 18" subwoofers in combination with the CLA835 (8x3,5") column array and the CLA4611 (4x6,5"/1") column array.

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## K-SERIES

AFFORDABLE ACTIVE AND PASSIVE PORTABLE SYSTEMS, SUBWOOFERS, STAGE MONITORS AND FULLRANGE SPEAKERS, FOR BANDS, DJ'S AND FIXED INSTALLATIONS.

Designed for portable use, event, bands and DJ's, the K-series is an affordable range of subwoofers, fullrange speakers and sound systems, available active with built-in amplifiers and DSP's, and passive with external 19" systems amplifiers.

The K-series is perfect for installing in schools, small nightclubs, lounges, bars and live stages. several M10 lifting points for easy installation, with an abundance or rigging and installation hardware available.

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## ACTIVE OR PASSIVE?

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### WHY CHOSE? WE HAVE IT ALL!

As a Prophon-user, we have made it easy for you to use, configure and setup the system that suits your needs.  
Most speakers are available in two versions:

- 1) Active versions, with built in amplifiers and on-board DSP with several presets
- 2) Passive versions with built-in passive crossover network, using external 19" systems DSP-amplifiers or processors

We supply the same presets no matter if you like active speakers or passive, so the sound remains the same.  
Usually installation is made with passive speakers and external 19" DSP systems amplifiers.  
Tour systems are also mostly passive speakers with AMP-racks.  
Regarding portable systems, about half of the users favours active systems, and half of the users want to use passive systems, we make the choice easy by supplying the best of two worlds.

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### ACTIVE SYSTEMS WITH BUILT-IN AMPLIFIERS AND DSP's

Our portable active sound systems, fullrange speakers, stage monitors and subwoofers all features built-in class-D amplifiers with PFC (Power Factor Correction) wide mains voltage input (90-250VAC) with switched mode, light weight, power supplies.  
We use Powersoft and Pascal amplifier modules for best quality, reliability and stability.  
Each module also features high-end on-board DSP processing, with several presets in each speaker for a variety setups and uses.  
Presets are the same whether you use active speakers with built-in amplifiers, or if you prefer passive speakers with external 19" DSP systems-amplifier or the systems DSP processor

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### DSP-SYSTEMS AMPLIFIERS

For tour, installation and portable use we offer our range of systems amplifiers, 19" amplifiers 1RU and 2RU (depending on power, series and number of channels) The flagship V-series features built-in high end DSP's with loudspeaker database where all our speakers are stored with FIR coefficients for optimum phase coherency. The user can build manage and store their own systems and setups using the loudspeakers in the database  
There is an abundance of features for system integration and system tuning, such as IIR EQ, crossover, delay, limiter, matrix function, all amplifier features (Power Factor Correction) wide voltage input (90-250V) with switched mode power supplies. Presets are the same whether you use active speakers with built-in amplifiers, or if you prefer passive speakers with the external 19" DSP systems-amplifier.

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### DSP PROCESSORS

We offer DSP processors with loudspeaker database housing all Prophon speakers. Designed for when you want to use regular amplifiers without built-in DSP's, or if you want to use existing amplifiers in an installation but upgrade the sound system to Prophon, or if you prefer the amplifiers you have in your stock and want to use Prophon speakers with them.

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### PRO-AMP RACKS

For tour and large format installation we offer our PRO-AMP RACKS.  
Pre-assembled racks or cases with PDU (Power Distribution Unit) Connector panel and DSP-amplifiers, mounted and wired for "out-of-the-box" use.  
We supply several different AMP-RACKS, from small 1-phase 16A, to 3x16A, 32A and 63A. All PDU's features meters, RCD, RCB with daisy chained networking.  
From 4x750W up to 32x5200W

We offer a variety of connectors, depending on what is standard in your region, from Neutrik Speakon 4-pol and 8 pole, to multipin connectors, 8, 16 and 19 PIN.  
All amp-racks are ordered as custom products due to the large variety of applications and needs.



# CLA-SERIES

Line source column array for installation event and portable use



## INTRODUCTION

The CLA-series was designed for reproducing speech, vocals, music and live instruments, with a controlled dispersion pattern vertical, wide dispersion pattern horizontal, long throw and full frequency response.

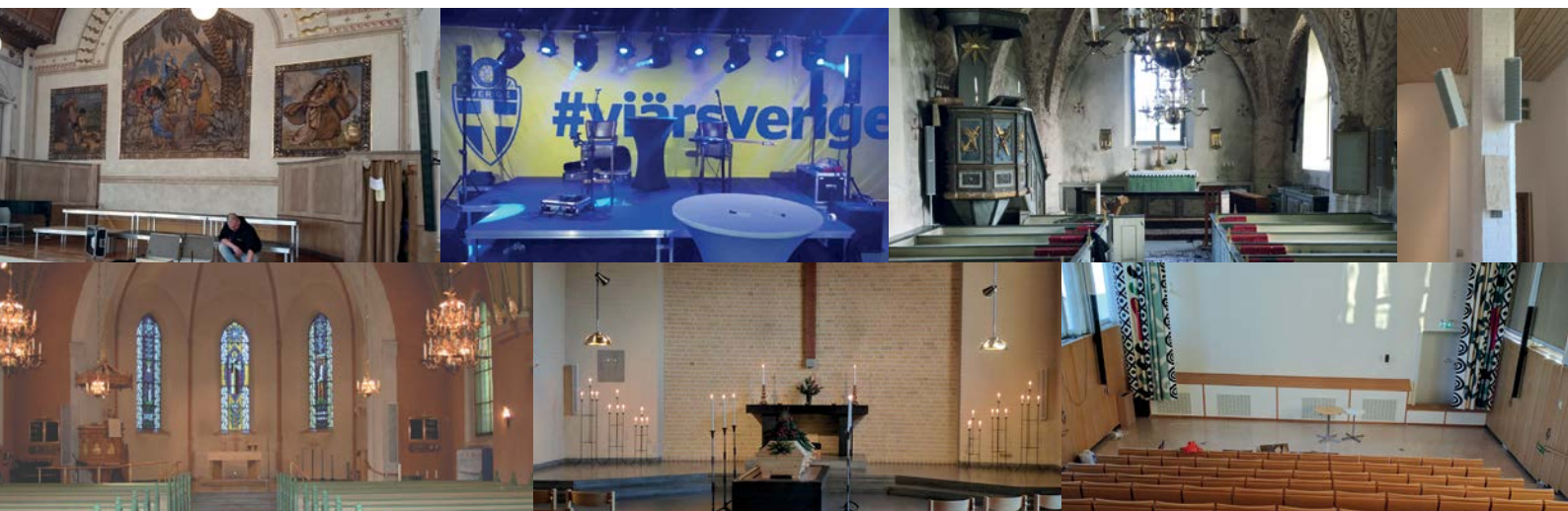
The CLA835 is available passive, the CLA4611 is available both active, with built in 700W DSP-controlled amplifiers, and passive, with 8 ohm impedance.

The CLA835 array speakers can also be used in powerful, compact, active or passive sound systems with the B11, single 12" direct radiating tuned bassreflex subwoofer, for portable use and installation, where the active system features 1000W + 2 x 500W DSP controlled amplifiers housed in one of the B11 subwoofer, with several presets depending on setup and application.

The CLA4611 can be used with the B18HP or the B1HP. active or passive subwoofers for powerful sound systems in installations or for portable use, where the active versions features 2500W + 2 x 800W DSP-controlled amplifiers. with several presets (see separate section under AC-SERIES)

## FEATURES

- ▶ Two models available:
  - CLA835 featuring 8 x 3,5" neodymium transducers
  - CLA4611 featuring 4 x 6,5" neodymium transducers and a coaxially mounted 1" driver on horn
- ▶ True line source coupling with a -3dB loss in SPL for each doubling of distance
- ▶ Wide dispersion pattern horizontal / Controlled narrow dispersion vertical
- ▶ Long throw
- ▶ Full frequency response
- ▶ Designed for installation in theatres, conference centers, churches, live performance
- ▶ Designed for portable use with subwoofers in active or passive systems.
- ▶ Extensive rigging and installation hardwares available
- ▶ Compact format large sound
- ▶ Narrow width allows for architecturally challenging installations and events.



CLA-series in portable active or passive sound systems with subwoofers



MODEL	CLA835	CLA4611	CLA4611A
Design	fullrange column array line source	2-way passive column line source	2-way active column line source
Components	8 x 3,5" Neodymium	4x6,5"/1" coax	4x6,5"/1" coax
Power Handling cont.	720W	1300W	1300W
Frequency response	110Hz - 17kHz	60Hz + 19kHz	60Hz - 19kHz
Sensitivity	1Pi: 97dB 2Pi: 100dB	1Pi: 100dB 2Pi: 103dB	1Pi: 100dB 2Pi: 103dB
Max SPL (calc peak 2Pi)	130 dB	135dB	136dB
Nominal Impedance	8 ohm	8 ohm	8 ohm
Dispersion	H120 x V20	H110 x V30	H110 x V30
Dimensions	H945xW110xD110	H680xW170xD170	H680xW170xD170
Weight	5kg.	10,5 kg	13 kg
Amplifier channels	1	1	1
Additional information active version	-	-	700W class-D amplifier with DSP
Hardware	Installation bracket, external top hat, Hook for truss, quick-connect hardware for connecting several speakers.		



# FX-SERIES

## Compact coaxial high-power 2-way point-source fullrange speakers



### INTRODUCTION

The FX-series 2-way coaxial passive point-source fullrange speakers was designed for fixed installations in a wide variety of facilities for a wide variety of applications, such as restaurants, nightclubs, conference centres, bars, theatres, cruise ships, theme parks and other facilities where design, size and quality is in focus.

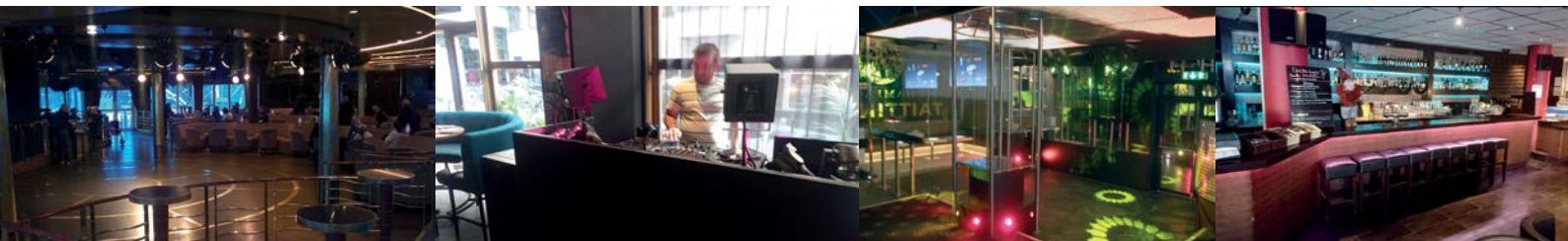
The FX "cube" series is appealing in design with a clean and discrete look with integrated hardware for installing and rigging.

Neodymium coaxial transducers results in light weight and high SPL.

Furthermore, the FX-series can also be used for portable applications, using the external 35 mm. top hat with the adjustable bracket, either stand-alone as front-fill or delay, or with subwoofers in compact portable sound systems.

### FEATURES

- ▶ Three different sizes from 6,5"/1" to 10"/1,4"
- ▶ 2-way coaxial point-source design
- ▶ Passive
- ▶ Adjustable installation bracket with fixed 5 degree aiming points set with release pins
- ▶ Coaxial design for best linear point-source performance
- ▶ A variety of input connectors, Neutrik Speakon NL4, Phoenix, Push terminal
- ▶ Integrated hardware for bracket, external 35 mm. top hat, mounting on stand, clamps
- ▶ Can be used with active subwoofers in a portable sound system
- ▶ Can be ordered in any RAL colour or white upon request.



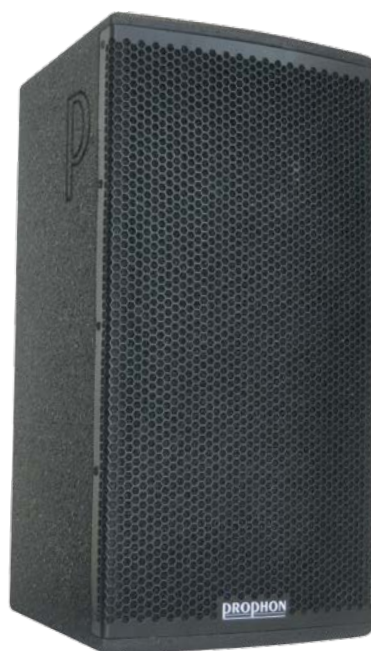
MODEL	F6X	F8X	F10X
Design	Front-loaded, tuned point-source coaxial	Front-loaded, tuned point-source coaxial	Front-loaded, tuned point-source coaxial
Components	LF: 6,5" with 2" voice coil HF: 1" with 1,4" voice coil	LF: 8" with 2" voice coil HF: 1" with 1,7" voice coil	LF: 10" with 2,5" voice coil HF: 1,4" with 2,5" voice coil
Power Handling	300W cont. 150W RMS	500W cont. 250W RMS	500W cont. 250W RMS
Frequency response	90Hz - 18kHz	70Hz - 18kHz	60Hz - 18kHz
Sensitivity	92dB open space 95dB 2Pi	97 dB open space 100 dB 2Pi	97dB open air 100dB 2Pi
Max SPL (calc. peak)	123dB	130 dB	130 dB
Nominal Impedance	8 ohm	8 ohm	8 ohm
Dispersion	70 x 70	100 x 100	70 x 70
Dimensions	150 x 150 x 150	200 x 200 x 200	300 x 300 x 300
Weight kg.	5	8	10
Amplifier channels	1	1	1
Active version	No	No	No
Hardware	Bracket, external top hat, Hook for truss	Bracket, external top hat, Hook for truss	Bracket, external top hat, Hook for truss



**NANO**  
compact active portable sound system with F6X and active B11 sub with 1000W + 2 x 500W dsp-controlled amplifiers.

# PX-SERIES

## 2-way point-source, compact fullrange speakers



### INTRODUCTION

The PX-series 2-way point-source high-power coaxial fullrange speakers was designed for portable use, fixed installations and events in a wide variety of applications. Very compact format and light weight in regards to max SPL output, the PX-series is ideal for small to medium sized live performance and club-events with any of the subwoofers in the HP, HPX or HPC- series in compact high-power portable sound systems.

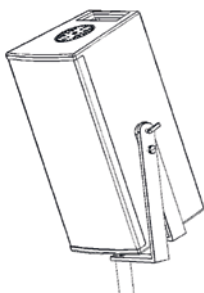
PX-series is available as either active versions with built-in 900W amplifiers and DSP with several presets, or passive with external 19" DSP-systems amplifier. Due to the fact that the dispersion pattern of the horns are conical, installation of the PX-series horizontal using the installation bracket results in installation speakers with very low height, suitable for high-power architectural installations or where height is limited.

### FEATURES

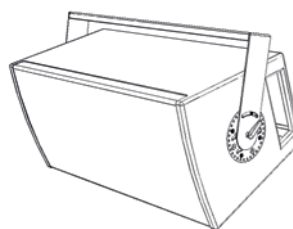
- ▶ Three different sizes from 2x6"/1" to 2x10"/1,3"
- ▶ 2-way coaxial point-source design
- ▶ Two handles discreet in the back
- ▶ Special hardware mounted on two sides for quick-rigging hardware.
- ▶ Two direct radiating front-loaded transducers for optimal phase coherency and linear dispersion
- ▶ Passive and active versions available
- ▶ Passive versions with NL4 Neutrik Speakon in using 1+/-1-
- ▶ Active version with two class-D amplifiers with a total of 900W RMS, and DSP with several presets and dedicated FIR-coefficients
- ▶ Coaxial design for linear point-source performance with phase-coherent dispersion
- ▶ Neodymium components for low weight
- ▶ Designed for high-power music and live performance reproduction
- ▶ Optimal for installing in fixed installations either horizontal or vertical
- ▶ A variety of easy-to-use rigging and installation hardwares available
- ▶ The two specially designed hardwares allows for quick-rigging with snap-in function.
- ▶ Two handles in the back for good functionality and discrete design.



Active versions



Quick-rigging hardware on stand



Installation bracket



Quick-rigging hardware on stand

MODEL	PX26	PX28	PX210	PX26A	PX28A	PX210A
Design	2-way passive point-source coax	2-way passive point-source coax	2-way passive point-source coax	2-way active point-source coax	2-way active point-source coax	2-way active point-source coax
Components	2 x 6,5" / 1"	2 x 8" / 1"	2 x 10" / 1,3"	2 x 6,5" / 1"	2 x 8" / 1"	2 x 10" / 1,3"
Power Handling cont.	600W	1000W	1000W	600W	1000W	1000W
Frequency response	70Hz - 19kHz	60Hz + 19kHz	50Hz - 19kHz	70Hz - 19kHz	60Hz + 19kHz	50Hz - 19kHz
Sensitivity	98dB	103dB	103dB	98dB	103dB	103dB
Max SPL (calc peak 2Pi)	129 dB	136dB	137dB	129 dB	136dB	137dB
Nominal Impedance	4 ohm	4 ohm	4 ohm	-	-	-
Dispersion	H70 x V70	H100 x V100	H70 x V70	H70 x V70	H100 x V100	H70 x V70
Dimensions	H45xW25xD25	H50xW27,5x25	H58xW30xD30	H45xW25xD25	H50xW27,5x25	H58xW30xD30
Weight	10 kg.	15 kg	20 kg	12 kg.	18 kg.	22 kg.
Amplifier channels	1	1	1	2 dsp-controlled	2 dsp-controlled	2 dsp-controlled
Additional information active version	-	-	-	2x300W with DSP and presets, 90V-250VAC PFC wide voltage power input	800W+400W with DSP and presets, 90V-250VAC PFC wide voltage power input	800W+400W with DSP and presets, 90V-250VAC PFC wide voltage power input

Hardware

Installation-bracket, external top hat, Hook for truss, quick-rigging hardware, tilting cradle for adjustable aiming for portable use, on speaker pole with subwoofer or for truss-clamp



# HX-SERIES

## 3-way hornloaded point-source speakers



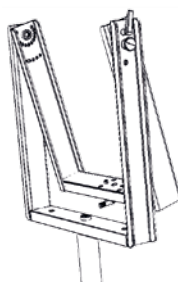
HX8A with B18HPCA in an active portable sound system

### INTRODUCTION

High-power, 3-way hornloaded point-source hybrid speakers for controlled dispersion, long throw and low distortion levels.  
Designed for high power reproduction, FOH, live performance and music.  
The HX-series can be used stand-alone fullrange, as top in portable systems with subwoofers, in installations or in compact large format live performance, flown or stacked.  
With true 3-way design and separated hornloaded midrange and highrange in combination with C.C.C. dipole low frequency transducer arrangement results in an extremely compact high-power speaker with low distortion, high sensitivity and astounding max SPL.

### FEATURES

- ▶ Two sizes available in the series, both features active and passive versions.  
HX8: 2x8" C.C.C. / 6,5"-hornloaded / 1" hornloaded  
MX10: 2x10" C.C.C. / 8"-hornloaded / 1" hornloaded
- ▶ Active versions with built-in 1500W+2x375W RMS Class-D amplifiers and DSP with presets
- ▶ Passive versions with dedicated passive crossover network 8 ohm speakon in two way using 1+/1- for LF, and 2+/2- for MF/HF, with a passive crossover handling MF/HF, using two amplifier channels on external 19" systems DSP-amplifier
- ▶ Long throw, controlled dispersion
- ▶ High sensitivity, low distortion and high max SPL
- ▶ Designed for high-end installations, portable use, PA-systems
- ▶ Extensive range of hardware for rigging and installing available



Cradle for using on speaker pole or on speaker stand for tilting



Cradle for installing with hook or clamp with adjustable tilt

MODEL	HX8	HX8A	HX10	HX10A
Design	3-way Horn-loaded point-source	3-way Horn-loaded point-source	3-way Horn-loaded point-source	3-way Horn-loaded point-source
Components	LF: 2 x 8" MF: 6,5" hornloaded HF: 1" driver on horn	LF: 2 x 10" MF: 8" hornloaded HF: 1" driver on horn	LF: 2 x 8" MF: 6,5" hornloaded HF: 1" driver on horn	LF: 2 x 10" MF: 8" hornloaded HF: 1" driver on horn
Power Handling cont. Impedance	LF: 1400W, 4ohm MF: 400W, 8ohm HF: 120W, 8ohm	LF: 1200W, 4ohm MF: 400W, 8ohm HF: 120W, 8ohm	LF: 1400W, 4ohm MF: 400W, 8ohm HF: 120W, 8ohm	LF: 1200W, 4ohm MF: 400W, 8ohm HF: 120W, 8ohm
Frequency response	60Hz - 19kHz	50Hz - 19kHz	60Hz - 19kHz	50Hz - 19kHz
Sensitivity	105dB	107dB	105dB	107dB
Max SPL (calc. peak)	141dB	142dB	141dB	142dB
Dispersion	H80 x V60	H80 x V60	H80 x V60	H80 x V60
Dimensions	H67xW40/28xD48	H67xW40/28xD48	H80xW50xD50	H80xW50xD50
Weight	30 kg.	32 kg.	40 kg.	42 kg.
Amplifier channels	2	3	2	3
Active	No	Yes	No	Yes
Additional information active version	-	1500W + 375W x 375W with DSP and 4 presets 90-250V PFC wide voltage input	-	1500W + 375W x 375W with DSP and 4 presets 90-250V PFC wide voltage input
Hardware	Installation-bracket, external top hat, Hook for truss, quick-rigging hardware, tilting cradle for adjustable aiming for portable use with speaker stand, speaker pole with subwoofer or with truss-clamp			

# CXL-SERIES

## Coaxial multi purpose fullrange speakers



### INTRODUCTION

The CXL-series is perfect for rental companies, PA-and event-companies due to the versatility and many features. Each speaker fetures monitor angle,two handles, wherein one discretely hides a top hat for mounting on speaker poles or speaker stands, there is an abundance of M10 threaded points for installation and rigging hardwares. The series can be used stand alone fullrange, as stage monitor or in a PA-system with subwoofers.

All models are available passive with deticated 8 ohm passive crossover, or active with built-in class-D amplifiers with several presets. (CXL81 only available passive)

### FEATURES

- Four sizes available available le in the series, active and passive versions
- Active with built-in Class-D amplifiers and DSP with presets
- Passive with deticated passive crossover network 8 ohm Neutrik NL4 speakon in
- A total of seven models available, three active and four passive
- Can be used as stage monitors
- Can be used stand alone fullrange
- Can be used in sound systems with subwoofers, active or passive
- Perfect for small to medium size stages
- Designed for live performance, speech, vocals, acoustic instruments
- Neodymium components for light weight and high BL factor
- Sidefill, frontfill, delay-system, stand-alone, stage monitor, FOH and fixed iinstallation



CXL81 with the installation bracket



CXL122 in an active system with B18HPA subwoofer



MODEL	CXL81	CXL102 (A)	CXL122 (A)	CXL152 (A)
Design	Multi-purpose front-loaded, direct radiating point-source neodymium coaxial fullrange speaker			
Components	8" with 2" voice coil 1"-with 1,7" voice coil	10" with 2,5" voice coil 1,3" with 2,5" voice coil	12" with 3" voice coil 2" with 3" voice coil	15" with 3" voice coil 2" with 3" voice coil
Power Handling cont	500W	500W	800W	1000W
Frequency responce	70Hz - 19kHz	70Hz - 18kHz	45Hz - 18kHz	40Hz - 18kHz
Sensitivity	100dB	100dB	102dB	102dB
Max SPL (calc. peak)	130 B	130dB	133dB	133,5dB
Nominal Impedance	8 ohm	8 ohm	8 ohm	8 ohm
Dispersion	100 nominal	70 nominal	80 nominal	80 nominal
Dimensions (mounted on top-hat)	H35 x W29,5 x D27,5	H45 x W33,5 x D29,5	H50 x W45 x D35	H60 x W55 x D40
Weight passive	10 kg.	13 kg.	17 kg.	21 kg.
Weight active	-	15 kg.	19 kg.	23 kg.
Amplifier channels passive version	1	1	1	1
Active version available	No	yes	yes	yes
Additional information active version	-	1200W (800W+400W) class-D amplifiers with DSP and presets, 90-250VAC wide mains input PFC (Power Factor Corection) Powercon in/link out, XLR in/link out		
Hardware	Installation bracket, rigging hardwares			



# MX-SERIES

## Compact 2-way coaxial point-source, low-profile, stage monitors



### INTRODUCTION

Compact 2-way high-power coaxial point-source stage monitors with small footprint, low profile and nearfield listening angle of 15 degrees.

Designed for small stages, auditoriums, conference centers, ensembles and tv studios. With a small footprint and low height, the MX-series is ideal for monitor listening where space is limited and the stage monitor is close to the user. The dispersion angle allows for standing or sitting close to the monitor and still retain on-axis fullrange frequency response.

Available in active self-powered versions with on-board DSP and several presets, or passive version with built-in dedicated passive crossover network, using any of our external DSP systems amplifiers.

### FEATURES

- ▶ Three sizes available in the series, active and passive versions
  - MX6: 6,5"/1" coax
  - MX8: 8"/1" coax (MX8A - active )
  - MX10: 10"/1,3" coax (MX10A - active)
- ▶ Active with built-in Class-D amplifiers and DSP with several presets
- ▶ Passive with dedicated passive crossover network 8 ohm speakon in
- ▶ A total of five models, active and passive
- ▶ Very low profile, usable for TV and broadcast
- ▶ Listening angle of only 15 degrees for nearfield monitoring
- ▶ Perfect for small stages and close monitoring
- ▶ Designed for live performance, speech, vocals, acoustic instruments

MODEL	MX6	MX8	MX8A	MX10	MX10A
Design	2-way passive coaxial low- profile stage monitor	2-way passive coaxial low-profile stage moitor	2-way active coaxial low-profile stage moitor	2-way passive coaxial low-profile stage moitor	2-way active coaxial low-profile stage moitor
Components	6,5" with 2" voice coil 1" with 1,4" voice coil	8" with 2" voice coil 1" with 1,7" voice coil	8" with 2" voice coil 1" with 1,7" voice coil	10" with 2,5" voice coil 1,3" with 2,5" voice coil	
Power Handling cont.	300W	500W	500W	500W	500W
Frequency responce	80Hz - 19kHz	60Hz-18kHz	60Hz-18kHz	50Hz-18kHz	50Hz-18kHz
Sensitivity	95dB	100dB	100dB	100dB	100dB
Max SPL (calc. peak)	123dB	130dB	130dB	130dB	130dB
Nominal Impedance	8 ohm	8 ohm	8 ohm	8 ohm	8 ohm
Dispersion	70 nominal	100 nominal	100 nominal	70 nominal	70 nominal
Dimensions	W20 x H17 x D30	W30 x H20 x D37	W30 x H20 x D37	W35 x H25 x D40	W35 x H25 x D40
Weight	7kg.	10 kg	11 kg	13kg	14kg.
Amplifier channels	1	1	-2	1	2
Active version	No	No	Yes	No	Yes
Additional information active version	-	-	2x300W with DSP and several presets	-	2x450W with DSP and several presets



# PLA621

## Very compact line array system



### INTRODUCTION

The PLA621 is the smallest line array speaker in the PLA-family, designed for event, conference, live performance and installations in churches, schools, theatres, conference centers, auditoriums, sports facilities and small live stages.

With one 6,5" neodymium woofer and two 1" voice-coil drivers with 0,75" throat exit, the PLA621 is extremely compact and light in weight, with 3-point integrated line array hardwares for easy rigging and installing.

The PLA112 external 12" subwoofer can be used for extended low frequency reproduction. The subwoofer is available passive, or active, where the active version features 1500W amplification for the 12" woofer and an additional passive PLA112 subwoofer, and 2 x 750W amplification for driving a total of up to 8 pcs. of the PLA621 line array.

With presets for being a flown subwoofer, but also for being a LF-woofer with external subwoofers on the ground, where the PLA112 acts as a LF speaker to the PLA621 in a 3-way system, greatly enhances the Max SPL and power-handling, for larger events and performances.

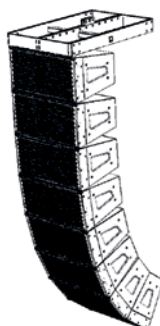
### FEATURES

- ▶ 1 x 6,5" + 2 x 1" components mounted on waveguides and horns
- ▶ 110 degree wide horizontal dispersion
- ▶ 15 degree controled vertical dispersion
- ▶ Only W350 x H190 x D230 in size
- ▶ Can be ordered in any RAL colour upon request
- ▶ The PLA112 subwoofer is available active or passive, and can be added for extended LF either flown as subwoofer or LF in a 3-way system, or groundstacked as subwoofer
- ▶ The PLA112 subwoofer can be flown in array, or groundstacked, and is available active with 1500W + 2 x 750W for supplying up to 8 pcs. of the PLA621 in an array.
- ▶ Perfect for architectural installations
- ▶ Integrated 3-point rigging and line array hardwares
- ▶ Bumper frame with adjustable lifting angle
- ▶ Groundstackframe for mounting on subwoofers
- ▶ FIR-filter presets available in the V-series systems amplifiers

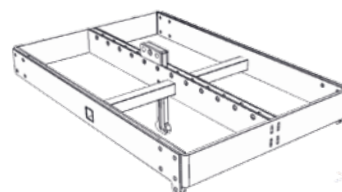
MODEL	PLA621	PLA112	PLA112A
Design	Line array with waveguide and horn	passive subwoofer for extended LF, flown or ground-stacked	Active subwoofer for extended LF, flown or groundstacked
Components	1 x 6,5" with 1,5" voice coil 2 x 0,75" with 1" voice coil	1 x 12" with 4" voice coil	1 x 12" with 4" voice coil
Power Handling cont.	300W	2000W	2000W
Frequency response	70Hz-19kHzHz	45Hz-120Hz	45Hz - 120Hz
Sensitivity	95dB	99dB	99dB
Max SPL ( calc. peak) Array of 8	123dB 141dB	135dB	135dB
Nominal Impedance	8 ohm	8 ohm	8 ohm
Dimensions	W35xH19xD23	W35xH60xD60	W35xH60xD60
Weight	5 kg.	35 kg	40 kg.
Active version	no	No	Yes, with 1500W + 2x750W for driving one more external passive PLA112 subwoofer and up to 8 pcs. of PLA621



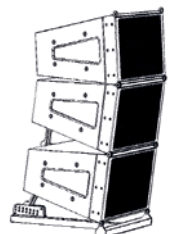
Six PLA621 in array



Eight PLA621 with bumper frame in array



Bumper frame



Groundstack frame



# PLA2611

## High-power compact line array system



### INTRODUCTION

The PLA2611 MK2 is the second generation with added functions, features and applications, such as 3-point rigging system instead of 4-point, for easier, quicker and safer rigging, collapsing rigging where the PLA2611 MK2 is stacked in a case collapsed, when rigging, just set the splay angles with the splay sprints, and lift the system up, each speaker will automatically position itself in the correct angle, if you want you can then secure with another splay sprint for extra security, reverse the order when it is time to take down the system.

The bumper frame features adjustable lifting points for optimal aiming precision.

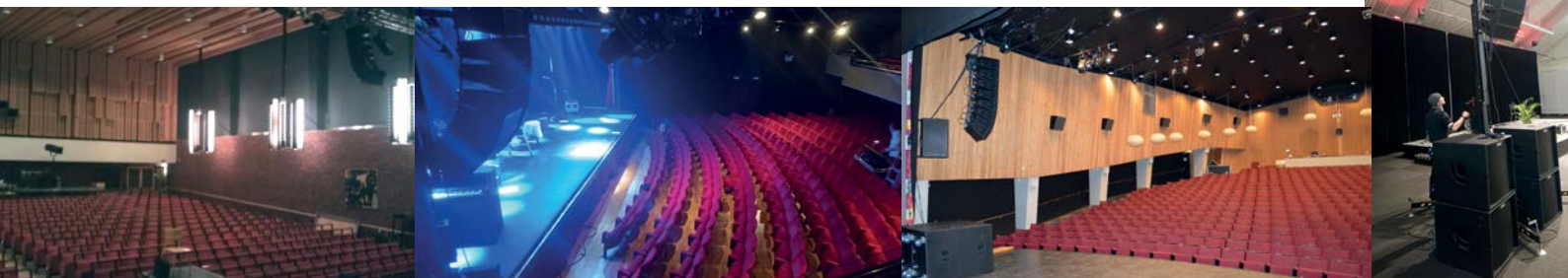
There are an abundance of rigging and stacking hardware available for groundstack, cluster, front-fill and stand alone usage.

The latest FIR filters is applied, as in all our line array speakers in the PLA series, for optimal phase coherency.

MODEL	PLA2611 MK2	PLA2611P MK2
Design	Active Line array	Passive line array
Components	2 x 6,5" / 1" driver mounted on waveguide and horn	
Power Handling cont.	600W	600W
Frequency response	60Hz - 19kHz	60z - 19kHz
Sensitivity	98dB	98dB
Max SPL (calc. peak)	129dB	129dB
Array of 8 (calc. peak)	146,5dB	146,5dB
Nominal Impedance	LF: 4 ohm / HF: 8ohm	8 ohm passive
Dimensions	W54 x H23 x D33	W54 x H23 x D33
Weight	17 kg.	15 kg.
Active version	Yes	No
Extended information active version	500W + 150W class-D, with switched mode wide mains power supply 90-240VAC, with PFC, 8 presets, FIR-filters, PowerCon True in/out, XLR AES / analogue in / out, 2 x RJ485 for daisy chained network, rotary encoder for presets and gain.	

### FEATURES

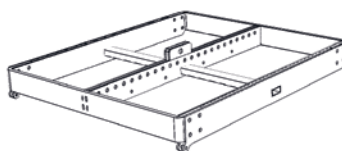
- ▶ 2 x 6,5" + 1" components mounted on waveguides and horns
- ▶ 110 degree wide horizontal dispersion
- ▶ 15 degree controled vertical dispersion
- ▶ Only W540 x H230 x D330 mm. in size
- ▶ Collapsing flywares for efficient rigging
- ▶ Available in active version with 500+150W amplifiers and DSP
- ▶ Active version features DSP with 8 presets and network
- ▶ Avaliabel in passive version with 8 ohm input
- ▶ Available in passive version with 16ohm input
- ▶ Can be ordered in any RAL colour upon request
- ▶ Perfect for architectural installations
- ▶ Integrated 3-point rigging and line array hardwares
- ▶ Bumper frame with adjustable lifting angle
- ▶ Groundstack frame for mounting on subwoofers
- ▶ FIR-filter presets available in the V-series systems amplifiers



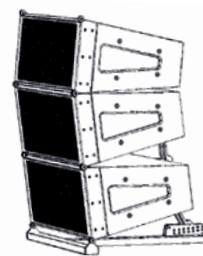
Collapsed in transportation case



Line array



Bumper frame



Groundstack frame

# PLA2821

## High-power compact line array system



### INTRODUCTION

Medium sized compact high-power passive or active line array speaker. The unique design and arrangements of transducers results in a phase-coherent frequency response with symmetrical, controlled dispersion pattern, low distortion and high sensitivity.

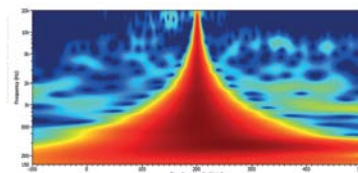
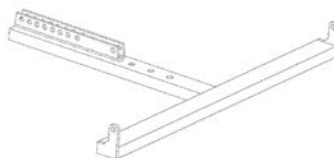
The **PLA2821** is the perfect choice for installation in theatres, live stages, FOH, large churches and conference centers, and in sports arenas.

When it comes to festivals, tour and portable use the **PLA2821** is the natural choice for medium sized rental- and event- companies.

In combination with the **HB212HPX**, 2x12" hornloaded subwoofer PLA2821 is a powerful line array system for medium sized events.

### FEATURES AND SPECIFICATIONS

- ▶ 120 x 7,5 degree dispersion
- ▶ Light weigh of only 20 kg.
- ▶ Integrated hardware and flightware
- ▶ 2 x 8" neodymium woofer mounted on soundguides
- ▶ 2 x 1" neodymium drivers mounted on waveguides and horn
- ▶ Passive version with built-in 8 ohm passive crossover network
- ▶ Active version with built-in 1000W class-D amplifiers and on-board DSP
- ▶ Two handles for easy rigging and handling
- ▶ 4-point integrated flightware
- ▶ Extensive rigging and installation hardwares and accesories available
- ▶ Power handling: 1000W cont.
- ▶ Sensitivity: 100dB
- ▶ Max SPL: 133dB single speaker (calc. peak)
- ▶ Max SPL: 151dB (eight speakers in an array, calc. peak)
- ▶ Dimensions: W760 x H280/215 x D400
- ▶ FIR-filter presets available in the V-series systems amplifiers





# PLA21021

## High-power compact line array system



### INTRODUCTION

Medium sized compact high-power passive line array speaker.

The unique design and arrangements of transducers results in a phase-coherent frequency response with symmetrical, controlled dispersion pattern, low distortion and high sensitivity.

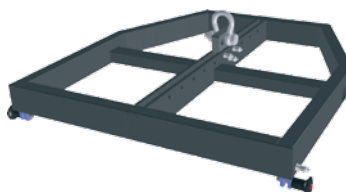
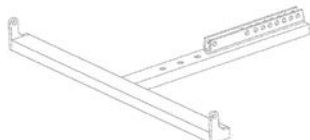
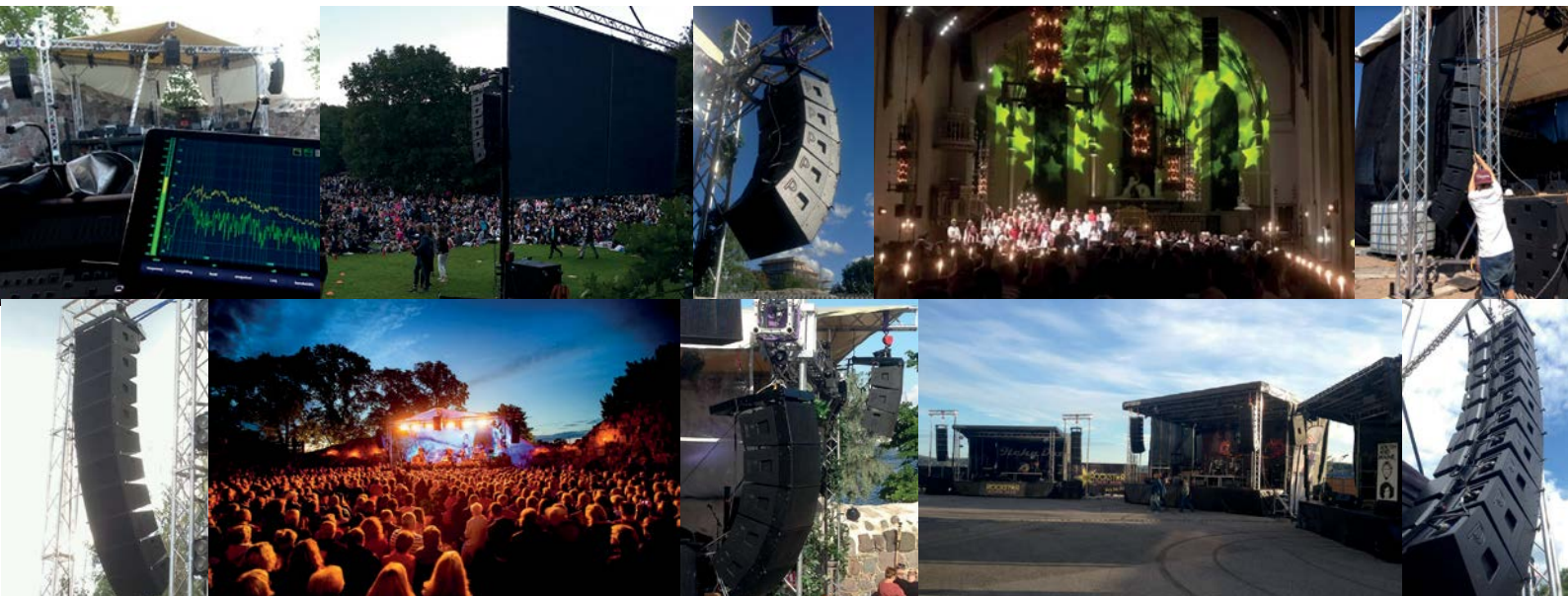
The **PLA21021** is the perfect choice for installation in theatres, live stages, FOH, large churches, conference centers and sports arenas.

When it comes to festivals, tour and portable use the **PLA21021** is the natural choice for medium sized rental- and event- companies.

In combination with the **B318HPC**, 3x18" cardioid subwoofer **PLA21021** is a powerful line array system for medium sized events.

### FEATURES AND SPECIFICATIONS

- ▶ 110 x 15 degree dispersion
- ▶ Light weight of only 20 kg.
- ▶ Integrated hardware and flightware
- ▶ 2 x 10" neodymium woofer mounted on soundguides
- ▶ 2 x 1" neodymium drivers mounted on waveguides and horn
- ▶ Passive design with built-in 8 ohm passive crossover network
- ▶ Two handles for easy rigging and handling
- ▶ 3-point integrated flightware
- ▶ Extensive rigging and installation hardwares and accesories available
- ▶ Power handling 1000W cont.
- ▶ Sensitivity: 102dB
- ▶ Max SPL: 135dB single speaker (calc. peak)
- ▶ Max SPL: 153dB (eight speakers in an array, calc. peak)
- ▶ Dimensions: W600 x H310/255 x D400
- ▶ Weight: 20 kg. incl. integrated hardwares and flightwares
- ▶ FIR-filter presets available in the V-series systems amplifiers



# HPX-SERIES

High power subwoofers for tour and fixed installations



## INTRODUCTION

The HPX-series high-power subwoofers is designed for reproducing controlled low frequencies at astounding high SPL with low distortion levels. designed for tour and installation with line array, point-source or hornloaded systems. All five models are available in passive version powered by any of our 19" systems DSP-amplifier, or active versions with built in amplifier modules and on-board DSP with several presets to chose from depending on application, setup and need. The HPX-series can be stacked, used in cardioid mode or end-fire array, presets and settings are available both for the active and passive versions.

## FEATURES

- ▶ Six different models and sizes, where each model is available active or passive
- ▶ From single 18" compact subwoofer to 21" infra subwoofer and hornloaded 2x12"
- ▶ Front-loaded tuned bassreflex design (HB2121HPX hornloaded)
- ▶ Heavily braced cabinet design with special tour-enduring paint.
- ▶ Same presets in the DSP in the active versions as in the DSP in external 19" DSP systems amplifiers for the passive versions
- ▶ Cardioid presets available for optimal dispersion pattern and aimable cancellation
- ▶ Neodymium high-power magnet for linear excursion with very high power handling
- ▶ Very long peak to peak excursion
- ▶ Compact size

MODEL	B18HPX (A)	B21HPX (A)	B2HPX (A)	B6HPX (A)	B221HPX	HB212HPX (A)
Design	Direct radiating, front-loaded tuned bassreflex					Horn-loaded
Components	1 x 18"	1 x 21"	2 x 15"	2 x 18"	2 x 21"	2 x 12"
Power Handling cont.	3400W	4000W	6400W	6800W	8000W	4000W
Voice Coil	4,5" (116 mm.)	6" (153 mm.)	4,5" (116 mm.)	4,5" (116 mm.)	6" (153 mm.)	4" (100mm.)
Peak to peak excursion	60 mm.	60 mm.	60 mm.	60 mm.	60 mm.	30 mm.
Frequency responce	30Hz-120Hz	25Hz - 100Hz	35Hz-120Hz	30Hz-120Hz	25Hz - 90Hz	30Hz - 120Hz
Sensitivity	101dB	99dB	103dB	104dB	102dB	109dB
Max SPL ( calc. peak)	138,5dB	138dB	143dB	144dB	144 dB	148dB
Nominal Impedance	8 ohm	4 ohm	4 ohm	4 ohm	2 x 4 ohm	4 ohm
Dimensions	W60xH60xD65	W60xH80xD65	W50xH100xD60	W60xH120xD65	W60xH120xD80	W70xH90xD125
Weight	56 kg.	65 kg.	90 kg.	110 kg.	130 kg.	130 kg.
Active version available	yes	yes	yes	yes	no	yes
Active version available	2400W class-D amplifier with DSP, several presetsm incl. cardioid, 90-250VAC wide mains power input, PFC		3000W (2x1500W) class-D amplifier with DSP, several presets, incl. cardioid setup. 90-240VAC wide power input. PFC (Power Factor Correction)			





# HP-SERIES

High power subwoofers for portable sound and fixed installations.



B18HPA in a compact portable sound system, also supplying a passive CXL122 with 1050W DSP-processed amplification, with separate gain-controls for system tuning

## INTRODUCTION

Our HP-series, direct radiating front-loaded, tuned bassreflex subwoofers all features a special heavy braced cabinet construction for minimum loss in energy, all models can be used either as single ended, stacked in cardioid configuration or in end-fire array. For the passive versions, all presets are available in our 19" systems loudspeaker DSP and in our 19" DSP-systems amplifiers.

The active versions features two amplifiers, where, for the single driver woofers, one amplifier supplies the internal woofer, and one is assigned to a Neutrik Speakon out, with separate gain control and several presets. The double woofer models (B2HPA and B6HPA) supplies 1050W into 8 ohm for each woofer.

The active single driver subwoofers (B11HP, B1HP and B18HP) in the HP-series can act like a master for driving an additional passive subwoofer either stacked or in cardioid configuration, or supply any of our portable passive fullrange speakers with DSP-processed amplification in a compact active portable sound systems.

## FEATURES

- Five different models and sizes, where each model is available active or passive
- From single 12" compact subwoofer to double 18" subwoofer
- Front-loaded, direct radiating tuned bassreflex design
- Heavily braced cabinet design with special tour-enduring paint.
- Same presets in the DSP in the active versions as in the DSP in external 19" DSP systems amplifiers for the passive versions
- Cardioid presets available for optimal dispersion pattern and aimable cancellation
- Ferrite magnet with 4" voice coils
- Ventillated voice coil gaps, with double silicone spiders
- The single driver subwoofers (B11HPA, B1HPA and B18HPA) features a Neutrik Speakon out with 1050W dedicated DSP-controlled amplification, for driving either a passive subwoofer stacked, cardioid or in end-fire array, or a passive fullrange speaker, in an active portable compact, high-power sound system.

MODEL	B11HP (A)	B1HP (A)	B18HP (A)	B2HP (A)	B6HP (A)
Design	Active or passive direct radiating front-loaded tuned bassreflex				
Version	Passive / Active	Passive / Active	Passive / Active	Passive / Active	Passive / Active
Components	1 x 12"	1 x 15"	1 x 18"	2x15"	2 x 18"
Power Handling cont.	2000W	2000W	2400W	4000W	4800W
Voice Coil	4" (100mm.)	4" (100mm.)	4" (100mm.)	4" (100mm.)	4" (100mm.)
X max	9 mm.	9 mm.	9 mm.	9 mm.	9 mm.
Frequency responce	45Hz-120Hz	35Hz - 120Hz	30Hz-120Hz	35Hz - 120Hz	35Hz - 120Hz
Sensitivity	98dB	99dB	100dB	102dB	103dB
Max SPL ( calc. peak)	137dB	138dB	139dB	141dB	142dB
Nominal Impedance	8 ohm	8 ohm	4 ohm	4 ohm	4 ohm
Dimensions	W40xH50xD50	W50xH50xD60	W60xH60xD65	W50xH100xD60	W60xH120xD65
Weight passive / active	35 kg. / 40kg.	40 kg. / 45 kg.	45 kg. / 50 kg.	75 kg. / 80 kg.	90 kg. / 95 kg.
Active version available	2x1050W class-D amplifier with presets (cardioid, omni, music, live, top out live, top out music), Speakon out for supplying passive full-range speaker or passive subwoofer. 90-250VAC wide power input, PFC (PowerFactor Correction)			2x1050W class-D amplifier with presets, (omni, cardioid, music, live) No speakon output, 90-250VAC wide power input, PFC (PowerFactor Correction)	



# HPC-SERIES

High power cardioid subwoofers for tour and fixed installations

## INTRODUCTION

The flagship when it comes to low frequency emission and control, the HPC-series offers "out-of-the-box" cardioid configuration with drivers both in the front and in the back in a cardioid setup.

using a combination of physical distance, delay, EQ, FIR and crossover in an advanced algorithm enables up to 18dB of cancellation behind and on the sides of the subwoofers.

Whether using in fixed installations or for tour applications the HPC-series is appreciated by sound engineers, DJ's, musicians, event companies and rental companies because of the many benefits with the cardioid technology, where the low frequencies are cancelled out behind and on the sides of the subwoofers, using that energy forwards, adding several dB in SPL on axis, raising the sensitivity and max SPL significantly.

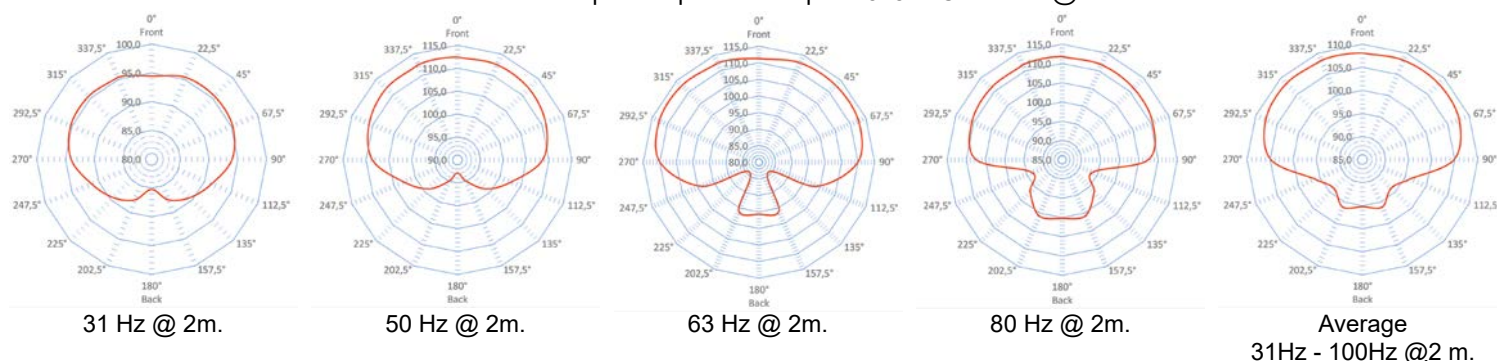
## FEATURES

- ▶ True cardioid behaviour "out-of-the-box"
- ▶ Using separate algorithms for each driver ensures optimal cancellation
- ▶ Up to 18dB cancellation
- ▶ Adding 2dB of SPL on axis
- ▶ astounding max SPL
- ▶ Relative compact format compared to max SPL and features
- ▶ Four models available in the series
- ▶ Active and passive versions available
- ▶ Designed for use with line array, horn-loaded, or other high SPL/long-throw systems
- ▶ Long throw



MODEL	B18HPC	B18HPCA	B318HPC	B18HPCX
Design	Cardioid high power subwoofers			
Components	Front: 1 x 18" Back: 1 x 12"	Front: 1 x 18" Back: 1 x 12"	Front: 2 x 18" Back: 1 x 18"	Front: 2 x 18" Back: 1 x 18"
Power Handling cont.	4200W	4200W	7200W	10200W
Voice Coil	4" (100 mm.)	4" (100 mm.)	4" (100mm.)	4,5" (116mm.)
Peak to peak excursion	60 mm.	60 mm.	60 mm.	60 mm
Frequency response	35Hz-120Hz	35Hz-120Hz	30Hz - 100Hz	30Hz - 100Hz
Sensitivity on axis	103dB	103dB	106dB	105dB
Max SPL ( calc. peak)	142dB	142dB	147dB	148dB
Nominal Impedance	Front: 8 ohm Back: 8 ohm	Front: 8 ohm Back: 8 ohm	Front 4 ohm Back 8 ohm	Front: 4 ohm Back: 8 ohm
Dimensions	W50 x H72 x D92	W50 x H72 x D92	W60 x D88 x H120	W60 x D88 x H120
Weight	60 kg	65 kg	120 kg	130 kg
Active version available	no	2 x 1500W class-D amplifier with DSP, 90-250VAC wide mains in, PFC (Power Factor Correction) 4 presets DSP	no	no

Actual measured dispersion pattern of 2 pcs B318HPC in stack @ 2m.





# CLUBLAND

## 4-way hornloaded point-source high-power club systems



### INTRODUCTION

The CLUBLAND-system was designed for high-end club installations and for club-events, either groundstacked FOH or flown. With 4-way system design and a combination of dipolar, C.C.C. and hornloaded, the CLUBLAND delivers astounding max SPL with low distortion and high headroom.

There are several modules in the series so that the user can choose between a variety of subwoofers and top modules, with two different MF/HF top modules, and three different subwoofers.

When ordering the CLUBLAND system the horns and grilles can be painted in any RAL colour for an architectural unique design, to enhance the visual experience.

### FEATURES

- ▶ Extreme max SPL
- ▶ Very high sensitivity
- ▶ Designed for high-end nightclubs, events and dancefloors
- ▶ Combine your system according to your needs and preferred configuration.
- ▶ Two different hornloaded MF/HF modules
- ▶ Dedicated 2x15" dipol C.C.C. (Common Compression Chamber) LF module
- ▶ Three different subwoofer modules, 3x18", 2x12" hornloaded, 2x21"
- ▶ Stackable for FOH groundstacked
- ▶ Can be installed flown
- ▶ CLH81 and CLH122 have several fly-points for installing
- ▶ Dedicated DSP-amplifier PX8 with 8 x 5200W with FIR-filters or V10000 with 4 x 3500W
- ▶ Can be ordered with any RAL colour on horn and grilles



MODEL	CLH81	CLH122	CLV215	CLB318	CLB212	CLB221
Design	Hornloaded top	Hornloaded top	LF low mid	Cardioid subwoofer	Hornloaded subwoofer	Front-loaded subwoofer
Components	8" / 1"	12" / 2"	2 x 15" C.C.C.	3 x 18"	2 x 12"	2 x 21"
Fly points	yes	yes	no	no	no	no
Power Handling cont.	500W	1000W	4000W	10200W	4000W	8000W
Voice Coil	2,5"	3"	4"	4,5"	4"	6"
Frequency response	350Hz - 19kHz	100Hz - 18kHz	50Hz - 500Hz	30Hz - 120Hz	30Hz - 120Hz	25Hz - 90Hz
Sensitivity 1W/1m.	109dB	108dB	106dB	105dB	108dB	102dB
Max SPL ( calc. peak)	143dB	145dB	143dB	147dB	148dB	144dB
Nominal Impedance	8 ohm	8 ohm	4 ohm	4 ohm / 8 ohm	4 ohm	2 ohm
Dimensions	W60xH60xD50	W60xH60xD60	W60xH60xD60	W60xH120xD85	W70xH100xD120	W60xH120xD80
Weight	30 kg	40 kg	40 kg	120 kg	125 kg	130 kg



# PA-SERIES

## Compact portable active and passive sound systems



### INTRODUCTION

The A-series features several portable active and passive sound systems with subwoofers and top speakers, ranging from small systems to fairly large systems. The active systems use built-in class-D amplifiers with DSP's and dedicated presets, the passive systems feature our 19" 4-channels systems DSP-amplifiers. Designed for portable use by rental companies, event companies, bands, DJ's, and for fixed installations, live stages, clubs, lounges and bars.

### FEATURES

- ▶ 10 different systems, available both active or passive
- ▶ Designed for portable use and fixed installations
- ▶ Light weight neodymium components
- ▶ The active systems feature built-in class-D amplifiers with DSP and several presets
- ▶ The passive systems feature 4-channel 19" DSP systems amplifiers
- ▶ Designed for "on-the-road" handling
- ▶ Perfect for rental companies, event companies, traveling bands, DJ's
- ▶ Can be installed in fixed installations, live stages, FOH, clubs, conference, cruise ships, theme-parks.



### NANO

The NANO sound system is our smallest and most compact point-source system, with 12" subwoofers and 6,5"/1" point-source coaxial top speakers. NANO handles acoustic performance, small live performances, DJ-sessions and conference easily.

The active version features 1000W + 2 x 500W DSP-controlled class-D amplifiers mounted in the active subwoofer, with several presets for different setups and applications, the active NANO system can support a total of two subwoofers, and four top speakers.

The passive version features the 19" 1RU DSP-systems amplifier **P426DSP** with 4x600W, the P426DSP amplifier can supply a total of 4 pcs. of subwoofers and 8 pcs. of top speakers.

### FEATURES

- ▶ One 12" subwoofer
- ▶ Two 6,5"/1" compact coaxial neodymium top speakers
- ▶ Active version with 1000W + 2 x 500W in subwoofer
- ▶ Passive version with 4x600W 19", 1RU DSP-systems amplifier
- ▶ Active version support 2 subwoofers and 4 top speakers
- ▶ Passive version supports 4 subwoofers and 8 top speakers
- ▶ Perfect for small acoustic performances, DJ and conference
- ▶ High max SPL, low distortion
- ▶ Light weight, compact format
- ▶ Cases, transportation-bags, covers available as accessories
- ▶ Total power handling of 2000W cont.
- ▶ 90-250VAC wide mains input with PFC (Power Factor Correction)



### A1

A1 is a compact high power sound system for portable use and fixed installations, with 12" subwoofer and 8"/1" point-source coaxial top speakers, for acoustic performance, small live performances, DJ-sessions, conference and fixed installations.

The active version features 1000W + 2 x 500W DSP-controlled class-D amplifiers mounted in the active subwoofer, with several presets for different setups and applications, the active NANO system can support a total of two subwoofers, and four top speakers.

The passive version features the 19" 1RU DSP-systems amplifier **P426DSP** with 4x600W, the P426DSP amplifier can supply a total of 4 pcs. of subwoofers and 8 pcs. of top speakers.

### FEATURES

- ▶ Two 12" subwoofers with 2000W power handling
- ▶ Two 8"/1" top speakers with 100 nominal dispersion
- ▶ Active version with 1000W + 2 x 500W in subwoofer
- ▶ Passive version with 4x600W 19", 1RU DSP-systems amplifier
- ▶ Active version support 2 subwoofers and 4 top speakers
- ▶ Passive version supports 4 subwoofers and 8 top speakers
- ▶ Perfect for small acoustic performances, DJ and conference
- ▶ High max SPL, low distortion
- ▶ Light weight, compact format
- ▶ Cases, transportation-bags, covers castorplates available
- ▶ Total power handling of 2000W cont.
- ▶ 90-250VAC wide mains input with PFC (Power Factor Correction)



### A2

The A2 features two 15" subwoofers and two 10"/1" point-source top speakers, designed for small to medium sized performances and club events, wherein the active versions each subwoofer houses 2 x 1050W DSP-controlled class-D amplifier with speakon output for driving the passive top speakers, the passive versions use the 4 channel 19" class-D, systems DSP-amplifier with 4x750W

### FEATURES

- ▶ Two 15" subwoofers, with 2000W power handling each
- ▶ Two 10"/1" top speakers with 90x60 dispersion
- ▶ Active version with 2 x 1050W class-D amplifier in each subwoofer
- ▶ Passive version with 4x750W 19", 1RU DSP-systems amplifier
- ▶ Passive version supports 4 subwoofers and 8 top speakers
- ▶ Perfect for small live performances, DJ and conference
- ▶ High max SPL, low distortion
- ▶ Light weight, compact format
- ▶ Cases, transportation-bags, covers castorplates available
- ▶ Total power handling of 5000W cont.
- ▶ 90-250VAC wide mains input with PFC (Power Factor Correction)

# PA-SERIES

## Compact portable sound systems



### A3

The A3 features two 15" subwoofers and two 12"/2" point-source top speakers, designed for medium sized live performances, club events, the rental industry and fixed installations.  
In the active versions each subwoofer houses 2 x 1050W DSP-controlled class-D amplifier with speakon output for also supplying the passive top speakers.  
The passive versions uses the 4 channel 19" class-D, systems DSP-amplifier with 4x750W

### FEATURES

- ▶ Two 15" subwoofers with 2000W power handling each
- ▶ Two 12"/2" top speakers with 80 nominal dispersion
- ▶ Active version with 2 x 1050W class-D amplifier in each subwoofers
- ▶ Passive version with 4x750W 19", 1RU DSP-systems amplifier
- ▶ Passive version supports 4 subwoofers and 8 top speakers
- ▶ Perfect for small live performances, DJ and conference
- ▶ Perfect for fixed installations in clubs, live stages, bars and lounges
- ▶ High max SPL, low distortion
- ▶ Light weight, compact format
- ▶ Cases, transportation-bags, covers available as accessories
- ▶ Total power handling of 5600W cont.
- ▶ 90-250VAC wide mains input with PFC (Power Factor Correction)



### A4

The A4 features two 18" subwoofers and two 12"/2" point-source top speakers, designed for medium sized live performances, club events, the rental industry and fixed installations.  
In the active versions each subwoofer houses 2 x 1050W DSP-controlled class-D amplifier with speakon output for also supplying the passive top speakers.  
The passive versions uses the 4 channel 19" class-D, systems DSP-amplifier with 4x1500W

### FEATURES

- ▶ Two 18" subwoofers with 2400W power handling each
- ▶ Two 12"/2" top speakers with 80 nominal dispersion
- ▶ Active version with 2 x 1050W class-D amplifier in each subwoofers
- ▶ Passive version with 4x1500W 19", 1RU DSP-systems amplifier
- ▶ Passive version supports 4 subwoofers and 8 top speakers
- ▶ Perfect for live performances, DJ and conference
- ▶ Perfect for fixed installations in clubs, live stages, bars and lounges
- ▶ High max SPL, low distortion
- ▶ Light weight, compact format
- ▶ Cases, transportation-bags, covers castorplates available
- ▶ Total power handling of 600W cont.
- ▶ 90-250VAC wide mains input with PFC (Power Factor Correction)



### A5

The A5 features two 18" subwoofers and two 15"/2" point-source top speakers, designed for medium sized live performances, club events, the rental industry and fixed installations.  
In the active versions each subwoofer houses 2 x 1050W DSP-controlled class-D amplifier with speakon output for also supplying the passive top speakers.  
The passive versions uses the 4 channel 19" class-D, systems DSP-amplifier with 4x1500W

### FEATURES

- ▶ Two 18" subwoofers with 2400W power handling each
- ▶ Two 15"/2" top speakers with 80 nominal dispersion
- ▶ Active version with 2 x 1050W class-D amplifier in each subwoofers
- ▶ Passive version with 4x1500W 19", 1RU DSP-systems amplifier
- ▶ Passive version supports 4 subwoofers and 8 top speakers
- ▶ Perfect for live performances, DJ and conference
- ▶ Perfect for fixed installations in clubs, live stages, bars and lounges
- ▶ High max SPL, low distortion
- ▶ Light weight, compact format
- ▶ Cases, transportation-bags, covers castorplates available
- ▶ Total power handling of 6400W cont.
- ▶ 90-250VAC wide mains input with PFC (Power Factor Correction)



### A6

The A6 features two 2x15" subwoofers and two 12"/2" point-source top speakers, designed for medium sized live performances, club events, the rental industry and fixed installations.  
In the active versions each subwoofer houses 2 x 1050W DSP-controlled class-D amplifier and each top speaker houses a 1200W DSP-controlled class-D amplifier with several presets for different applications such as music, live, fullrange and monitor.  
The passive versions uses the 4 channel 19" class-D, systems DSP-amplifier with 4x1500W

### FEATURES

- ▶ Two 2x15" subwoofers with 4000W power handling each
- ▶ Two 12"/2" top speakers with 80 nominal dispersion
- ▶ Active version with 2 x 1050W class-D amplifier in each subwoofers and 1200W class-D amplifier in each top speaker
- ▶ Passive version with 4x1500W 19", 1RU DSP-systems amplifier
- ▶ Passive version supports 4 subwoofers and 8 top speakers
- ▶ Perfect for acoustic performances, DJ and events
- ▶ Perfect for fixed installations in clubs, live stages, bars and lounges
- ▶ High max SPL, low distortion
- ▶ Light weight, compact format
- ▶ Cases, transportation-bags, covers castorplates available
- ▶ Total power handling of 9600W cont.
- ▶ 90-250VAC wide mains input with PFC (Power Factor Correction)



# PA-SERIES

## Compact portable active and passive sound systems



### A7

The A7 fetures four 18" subwoofers and two 12"/2" point-source top speakers, designed for medium sized live performances, club events, the rental industry and fixed installations.

In the active versions each subwoofer houses a 1500W DSP-controlled class-D amplifier and each top speaker houses a 1200W DSP-controlled class-D amplifier with several presets for different applications such as music, live, fullrange and monitor.

The passive versions uses the 4 channel 19" class-D, systems DSP-amplifier with 4x1500W

### FEATURES

- ▶ Four 18" subwoofers with 2400W power handling each
- ▶ Two 12"/2" top speakers with 80 nominal dispersion
- ▶ Active version with 1500W class-D amplifier in each subwoofers and 1200W class-D amplifier in each top speaker
- ▶ Passive version with 4x1500W 19", 1RU DSP-systems amplifier
- ▶ Passive version supports 4 subwoofers and 8 top speakers
- ▶ Perfect for acoustic performances, DJ and events
- ▶ Perfect for fixed installations in clubs, live stages, bars and lounges
- ▶ High max SPL, low distortion
- ▶ Light weight, compact format
- ▶ Cases, transportation-bags, covers castorplates available
- ▶ Total power handling of 11600W cont.
- ▶ 90-250VAC wide mains input with PFC (Power Factor Correction)



### A8

The A8 fetures four 18" subwoofers and two 15"/2" point-source top speakers, designed for medium sized live performances, club events, the rental industry and fixed installations.

In the active versions each subwoofer houses a 1500W DSP-controlled class-D amplifier and each top speaker houses a 1200W DSP-controlled class-D amplifier with several presets for different applications such as music, live, fullrange and monitor.

The passive versions uses the 4 channel 19" class-D, systems DSP-amplifier with 4x1500W

### FEATURES

- ▶ Four 18" subwoofers with 2400W power handling each
- ▶ Two 15"/2" top speakers with 80 nominal dispersion
- ▶ Active version with 1500W class-D amplifier in each subwoofers and 1200W class-D amplifier in each top speaker
- ▶ Passive version with 4x1500W 19", 1RU DSP-systems amplifier
- ▶ Passive version supports 4 subwoofers and 8 top speakers
- ▶ Perfect for acoustic performances, DJ and events
- ▶ Perfect for fixed installations in clubs, live stages, bars and lounges
- ▶ High max SPL, low distortion
- ▶ Light weight, compact format
- ▶ Cases, transportation-bags, covers castorplates available
- ▶ Total power handling of 12000W cont.
- ▶ 90-250VAC wide mains input with PFC (Power Factor Correction)



### A9

The A9 fetures two 18"/12" cardioid subwoofers and two 2x8"/6,5"/1" hornloaded 3-way point source top speakers. Designed for medium to large sized live performances, club events, the rental industry and fixed installations. In the active versions each subwoofer houses 2x1500W DSP-controlled class-D amplifier and each top speaker houses a 1500W+750W+375W DSP-controlled class-D amplifier with several presets for different applications such as club music or live performance.

The passive versions uses the 8 channel 19" class-D, systems DSP-amplifier with 8x1500W able to support a total of four subwoofers and eight top speakers.

### FEATURES

- ▶ Two 18"/12" cardioid subwoofers with 4400W power handling each
- ▶ Two 3-way hornloaded point-source top speakers with 2x8" dipole / 6,5"-hornloaded / 1" driver on horn
- ▶ Active version with 2x1500W class-D amplifier in each subwoofers and 1500W+750W+375W class-D amplifier in each top speaker
- ▶ Passive version with 8x1500W 19", 2RU DSP-systems amplifier
- ▶ Passive version supports 4 subwoofers and 8 top speakers
- ▶ Perfect for acoustic performances, DJ and events
- ▶ Perfect for fixed installations in clubs, live stages, bars and lounges
- ▶ High max SPL, low distortion longthrow
- ▶ Light weight, compact format
- ▶ Cases, transportation-bags, covers castorplates available
- ▶ Total power handling of 12000W cont.
- ▶ 90-250VAC wide mains input with PFC (Power Factor Correction)



### AX

The AX system with cardioid subwoofer technology and line source was designed for large format live performance, FOH, club events and fixed installations where dispersion, control and long throw is essential. With three PLA21021, 2x10"/2x1" line array modules on each side, groundstacked on the B318HPC, 3x18" cardioid subwoofer, powered by the P4XDSP, 4x5200W 19" DSP-systems amplifier housed in one of the "dummies" placed in between the subwoofers and the line array speakers, also functioning to raise the height of the array to

### FEATURES

- ▶ Two 3x18" cardioid subwoofers with 7200W power handling each
- ▶ Six PLA21021 line array modules with 2x10"/2x1" each
- ▶ Only available in passive version with 4x5200W 19", 2RU DSP-systems amplifier mounted in the "dummie"
- ▶ Perfect for live performances, club and events
- ▶ Perfect for fixed installations in clubs, live stages, FOH
- ▶ High max SPL, low distortion longthrow
- ▶ Cases, transportation-bags, covers castorplates available
- ▶ Including groundstack rigging hardwares
- ▶ Total power handling of 12000W cont.
- ▶ 90-250VAC wide mains input with PFC (Power Factor Correction)

# CA-SERIES

## Column Array systems for portable use and fixed installations, active and passive

### INTRODUCTION

The CA-SERIES Column Array Systems for portable use and fixed installations are available in active and passive versions and in several different sizes and configuration. The CA series is used for portable applications such as conference, live performance, music reproduction, and for fixed installations in churches, schools, conference centers, theatres, auditorium and live stages.

The CA11 features the CLA835" column line array speaker with 8x3,5 drivers and 12" subwoofer with 900W power handling.

The CA12 features the CLA4611 column line array speaker with 4x6,5"/1"coa and either 15" subwoofer or 18" subwoofer depending on application, need and preference.

Both the CA11 and CA12 series is available in four different configurations and sizes.

The CA-systems is available in active self-powered versions with built in amplifiers in one of the subwoofers,

where the CA11 systems features 1000W + 2 x 500W, and the CA12-system features 2500W + 2 x 800W

The passive versions uses external 4-channel 19" DSP-systems amplifier.

### FEATURES

- ▶ A total of 8 different systems and sizes for a variety of applications
- ▶ Line array technology for long throw, and controled vertical dispersion of 20 degrees (depending on length of array)
- ▶ Wide horizontal dispersion of 120 degrees
- ▶ All amplifier features 90-250VAC wide mains input with PFC (Power Factor Correction)
- ▶ CA11-system available active with all amplification and processing housed in one subwoofer, with 1000W + 2 x 500W, able to power a total of two subwoofers and four column array speakers
- ▶ CA12-system available active with all amplification and processing housed in one of the subwoofers, with 2500W + 2 x 800W able to power a total of two subwoofers and four column array speakers
- ▶ Smart rigging hardware for quick rigging and assembly
- ▶ Avaliabel in any RAL colour for architectural installation
- ▶ Perfect for live performance, speech, vocals, acoustic music and recorded music
- ▶ Designed for installations in live stages, theatres, auditoriums, churches, conference centers etc.



White system, popular for conference, weddings, and installation in churches and other architectural installations.



CA11-1



CA11-2



CA11-3



CA11-4



CA12-1



CA12-2



CA12-3



CA12-4



# K-SERIES

## Affordable compact portable speakers



### INTRODUCTION

The K-series was designed as an affordable series, but still maintaining the good prophon-quality. Four loudspeakers are available both in active and passive versions, two fullrange speakers, one 10"/1" (K10) and one 12"/1" (K12), with handles, top hat, monitor angle, rubber feets, The active versions features a 600W class-D powersoft amplifier and DSP with 4 presets. The two subwoofers in the K-.series features one 15" (KS15, and one 18" (KS18) where the active versione features a 1200W Powersoft class-D amplifier with DSP and 4 presets. The K-series was designed for bands, DJ's schools, nightclubs, bars, lounges, themaparks and other application where an affordable sound system meets high quality.

### FEATURES

- ▶ Affordable speakers with high value
- ▶ Two fullrange speakers in the series, one 10"/1" and one 12"/1"
- ▶ monitor angle on the fullrange speakers
- ▶ Two subwoofers, one 18" and one 15"
- ▶ Active versions available for each model
- ▶ A total of eight models, active and passive versions included
- ▶ High sensitivity
- ▶ Designed for bands, DJ's event companies, the rental industry
- ▶ Designed for installations in nightclubs, small live stages, FOH, lounges, schools

MODEL	K10 / K10A	K12 / K12A	KS15 / KS15A	KS18 / KS18A
Design	Fullrange speakers with monitor angle tuned bassreflex 2-way design, Passive or active		Direct radiating front-loaded tuned bassreflex subwoofers, passive or active	
Components	10" / 1" on horn	12" / 1" on horn	15"	18"
Power Handling cont.	300W	400W	1100W	1200w
Voice Coil	10" woofer: 2" 1" driver:	12" woofer: 2,5" 1" driver:	3"	3"
Frequency responce	70Hz - 18kHz	60Hz - 18kHz	40Hz - 120Hz	35Hz-120Hz
Sensitivity on axis	100dB	100dB	102dB	102dB
Max SPL ( calc. peak)	128dB	129dB	135dB	136dB
Nominal Impedance	8 ohm	8 ohm	8 ohm	8 ohm
Dimensions	W30 x H40 x D35	W35 x H45 x D40	50 x 50 x 50	60 x 60 x 60
Weight	15 kg	20 kg.	40 kg.	50 kg.
Extended information active versions	600W class-D powersoft amplifier with 100-240VAC wide mains input, PFC (Power Factor Correction) DSP with 4 presets, fullrange, music, live, monitor		1200W class-D powersoft amplifier with 100-240VAC wide mains input, PFC (Power Factor Correction) DSP with 4 presets, live, club, extended, acoustic	

# V-SERIES

## 4-Channel networked systems amplifiers with DSP



### INTRODUCTION

The V-series Pro-amp systems amplifiers was designed for pro-audio touring and fixed installations.

Featuring two models, V3000 and V10000, 4-channel amplifiers with DSP, matrix, Network, AES, FIR (DANTE optional)

With all prophon speakers stored in the internal loudspeaker database for accessing, routing and using in any combination and any configuration, so that the user can build and set up presets and configurations according to need and application.

With the user-friendly touch-display all features can be managed without using a computer.

Up to 256 amplifiers can be connected in a daisy-chained network, using the dedicated software, where amplifiers can be grouped in several layers, linked, assigned and managed.

The V-series can be used in fixed installations, portable use or tour, we also offer our PRO-AMP 19" RACKS ready to go, with PDU's, amplifiers and connection panels mounted in either tour-racks, or installation racks, depending on need and application.

### FEATURES

- ▶ Two models available: V3000 and V10000
- ▶ Load stabile in 2 ohm
- ▶ 2RU in height
- ▶ Light weight class-D and switchd mode power supply
- ▶ 4 INPUT / 4 OUTPUT fully routable matrix topology
- ▶ AES / analogue input / link out
- ▶ Daisychained network via two RJ485 connectors
- ▶ Wide mains power input 100-240VAC
- ▶ 5:th generation switched mode power supply for light weight and stabile mains power.
- ▶ PFC (Power Factor Correction)
- ▶ TFT touch-display with access to all functions, for editing and setting up your system.
- ▶ 4 buttons and one rotary encoder for fast access and editing
- ▶ All prophon loudspeaker presets fully accessible, assignable and routable from the internal loudspeaker database
- ▶ Advanced FIR filters for phase-coherent frequency responce
- ▶ 15 User EQ, crossover, gain, delay for system integration, room calibration and system tuning
- ▶ Intuitive software for managing networked systems or stand-alone amplifiers.
- ▶ 96 user presets in the internal memory for storing custom setups, scenes and configuring systems

MODEL	V3000	V10000
Power	4 x 500W @ 8 ohm	4 x 1350W @ 8 ohm
All channels driven	4 x 750W @ 4 ohm	4 x 2500W @ 4 ohm
LO-Z	4 x 500W @ 2 ohm	4 x 1700W @ 2 ohm
Power	4 x 500W	4 x 1350
All channels driven HI-Z (100V)		
Bridged mode (BTL) LO-Z	2 x 1400W @ 2, 4, 8 ohm	2 x 3500W @ 8 ohm 2 x 4000W @ 4 ohm
Parallel bridge (PBTL) LO-Z	1 x 2400W @ 4, 8 ohm	N/A
Max output voltage and current	Single ended 78 V <sub>peak</sub> / 30 A <sub>peak</sub>	Single ended 150 V <sub>peak</sub> / 54 A <sub>peak</sub>
Frequency responce (+/- 0,8dB)	20 Hz - 20 kHz	20Hz - 20kHz
S/N (20Hz - 20kHz A-Weighted @ 8 ohm	Typical < -109dB (digital -113dB)	Typical < -111dB (digital -114dB)
Damping factor	> 500 @ 1kHz / 8 ohm	> 500 @ 100 Hz / 8 ohm
THD+N 1/2 Power	0,1% (typical < 0,05%)	0,1% (typical < 0,05%)
Mains power	PowerCon 16A / regulated SMPS with PFC, 100-240VAC, 50-60Hz	PowerCon 32A / regulated SMPS with PFC 100-240VAC, 50-60Hz
Connectors	4 x XLR analogue female input / 4 x XLR analogue male output, 2 x XLR female digital input, 2 x XLR male digital output, 4 x Speakon output, 2 x RJ485,	
DSP	4 input, 4 through, 4 output analogue, 2 AES pairs input. SHARC DSP@300MHz, 96kHz / 40 bit floating point asynchrony high-resolution sample rate converter (SRCs), 512 TAPS FIR filter on each output, Input dealy 1000mS, Output delay 500mS, 15 custom Biquads on each channel.	
Dimensions	483 x 89 x 453	483 x 89 x 453
Weight	8,5 kg.	10 kg.



# P-SERIES

## 4-Channel DSP-amplifiers



### INTRODUCTION

The P-series, 4-channel class-D amplifiers with DSP is perfect for fixed installation and portable use, featuring 7 EQ points on all input and output channels, matrix routing, crossover 12-48dB on all output channels, limiter, delay, gain and all relevant Biquads. All functions can be managed using the buttons on the front panel or the free software.

There are three models in the series ranging from 4x350W to 4x2600W, the series is stable in 2 ohm load.

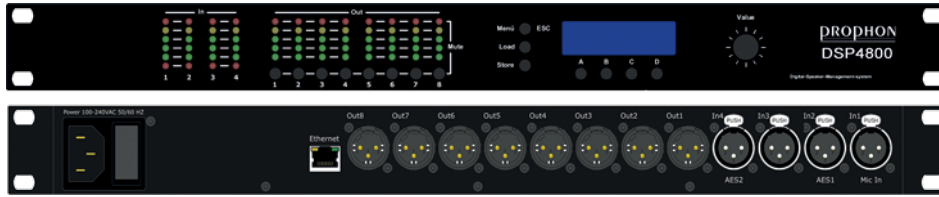
### FEATURES

- ▶ Three models available:
  - P426DSPA with 4 x 350W@8 ohm, 4 x 500W @ 4 ohm, 4 x 600W @ 2 ohm
  - P418DSPA with 4 x 800W@8ohm, 4 x 1500W @ 4 ohm, 4 x 1800W @ 2 ohm
  - P4260DSPA with 4 x 1300W@8ohm, 4 x 2400W @ 4 ohm, 4 x 2600W @ 2 ohm
- ▶ 1RU in height / 19"
- ▶ 4 INPUT / 4 OUTPUT fully routable matrix topology
- ▶ AES / analogue input
- ▶ RJ485 input on front for easy access using the software
- ▶ Automatic search and find amplifiers in the network
- ▶ Switched mode power supply for light weight
- ▶ Multi row display for comprehensive menu
- ▶ 5 buttons for fast access and editing, and four volume potentiometers for total channel control
- ▶ 7 EQ on each input and each output channel incl. PEQ, High-shelf, Lo-shelf
- ▶ Each output features crossover, gain, delay, limiter
- ▶ Intuitive software with userfriendly GUI (Graphic Utility Interface)
- ▶ All features in the software is accessible using the front menu buttons.
- ▶ 30 memory store presets



# DSP-SERIES

## DSP4800 SYSTEMS PROCESSORS WITH LOUDSPEAKER DATABASE



### INTRODUCTION DSP4800

The DSP4800 is a powerful systems processor with all prophon speakers stored in the memory for routing to any outputs. Designed for where our systems amplifiers is not an option, such as upgrading an installation with new loudspeakers, where the current amplifiers is of good quality and is to be re-used, simply install the DSP4800 as a systems processor. Another application is for rental companies changing their loudspeakers to Prophon from another brand, but want to keep their existing amplifiers due to cost-efficiency or just because they like them very much, either way, buy a couple of DSP4800 and use as systems DSP loudspeaker processors, and you will have access to all presets and functions required for driving any Prophon system. With 4 analogue inputs and two pairs of AES inputs, (channel 1 input can also be used for microphone input), and 8 outputs, the DSP4800 is a versatile work-horse for fixed installations, tour and portable use, with Wide mains voltage input 95-240VAC, Switched mode power supply. The processing performances is truly amazing, using SHARK DSP's with 40-bit floating point, 96kHz sampling rate and high-end AD/DA with 120dB SNR and +18dBu Input / Output levels. All channels are freely routable for convenient systems configuration, where each output can be assigned any of the speakers in our range loaded from the internal loudspeaker database.

### FEATURES

- Four analogue inputs, wherein input 1 also can be used as a microphone in with +20dB gain
- Two AES pairs input for digital signal flow multiplex with analogue input 1 and 4
- Eight outputs
- RJ485 for ethernet
- All Prophon speaker presets are stored in the internal database for easy access and assigning to any output
- 15 user IIR EQ on each input channel
- FIR with 1024 TAPS
- Input delay of up to 1000mS
- 24 custom presets can be stored by user
- DSP's with 40 bit floating point with 96kHz sampling rate
- High-end AD/DA with 120dB SNR and +18dBu input / output levels
- Ethernet connection 10/100MBit for connecting in network and for connecting computer with the GUI software
- User friendly front-panel menu, with 7 multi function buttons, 1 rotary encoder with puch function,
- Graphical LCD display for clear view of all parameters
- All parameters are editable using the front panel and display
- Use a computer with the GUI software for in-depth editing and for managing several devices in a network (router required)
- Grouping of several channels and units
- Wide mains input 95-240VAC
- Dimensions: 482 x 44 x 210 mm.
- Weight: 2,8kg





# DSP-SERIES

## DSP480 MK2 SYSTEMS PROCESSORS

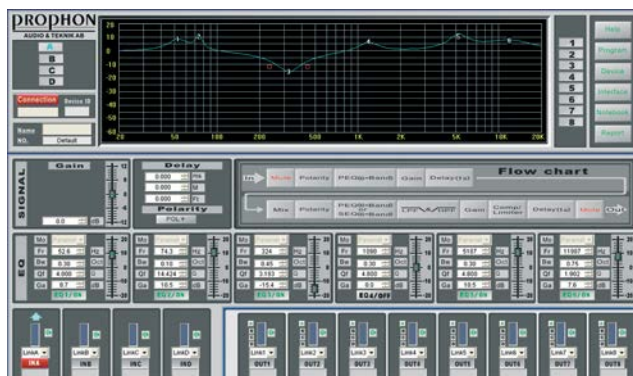


### INTRODUCTION DSP480 MK2

The DSP480 MK2 is the latest version of the DSP480 systems signal processor for installation and portable single ended use. There is no internal loudspeaker database with prophon-presets as in the more advanced DSP4800, Four inputs and eight outputs with free signal routing for building and storing systems. Each input and each output features 7 PEQ, and each input channel also features a 31 band GEQ, and 1000mS delay on each input and each output with crossover on all outputs 6-48dB, 116dB dynamic range and a 0,003% distortion @ 1kHz, 0dBu. The DSP480 MK2 is perfect for installing and for portable and tour usage, with wide mains power input 90-250VAC, switchd mode power supply

### FEATURES

- ▶ 4 analogue inputs
- ▶ 8 analogue outputs
- ▶ High performance AD/DA chip and high speed DSP
- ▶ 7 PEQ on each input channel and each output channel
- ▶ Additional 31 band GEQ on each input
- ▶ Support USB/RS485 and ethernet
- ▶ Max input/output level 19dBu
- ▶ Input / output gain -40 - +12dB in steps of 0,1dB
- ▶ Input / output delay 0-1000mS in steps of 21uS
- ▶ EQ gain -30 - +15dB in steps of 0,1dB
- ▶ EQ types: PEQ, Low-shelf, High shelf
- ▶ EQ bandwidth: PEQ 0,017 - 4,750 Oct, GEQ 31 band EQ with 1/3 oct.
- ▶ Crossover on each output 19,7Hz - 21,9kHz, 6 - 48dB slopes
- ▶ Crossover types: Butterworth, Bessel and Linkwitz-Riley
- ▶ Compressor: Gate -20 - + 20 dBu in steps of 0,5dBu
- ▶ Dynamic range 116dB
- ▶ Crosstalk <-100dB
- ▶ Distortion 0,003% (1kHz, 0dBu)
- ▶ Wide mains voltage input 90-250VAC
- ▶ Weight 3,6kg.
- ▶ Dimensions: 482 x 158 x 45 mm.





**prophon**  
SOUND SYSTEMS

MADE IN SWEDEN SINCE 1985

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